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Fittings • Water Well • Industrial Supplies

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Branch Locations

Minneapolis

2700 N 2nd Street
Minneapolis, MN 55411

(612) 588-7811



CEO	Joel Skagerberg
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St. Paul

285 Como Avenue
St. Paul, MN 55103

(651) 489-8831



Branch Manager	Blake Griffin
Asst. Branch Manger	Adam Ellingson
City Desk	Diego Villa
	Brandon Flesher
	Tim Becker
Customer Service . . . . . Heating	Blake Griffin
	Dan Reese
Tela Sales	Jean Faust
	Kim Marich
	Melissa Simon

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	Jacob Hegerman
	Craig Herrmann
	Nate Irish
	Timothy O'Brien
	Florence Rude

Branch Locations



Duluth

4524 Venture Circle
Duluth, MN 55811

(218) 727-6670

Branch Manager	Ed Mudgett	Customer Service	Riley Anderson
Warehouse Foreman	Matt Stone		Tom Donnellan
City Desk	Ron Anderson		Shana Mertes
	Nick Paulson		Loren Mesedahl Jr.
	Aaron Mesedahl		Loren Mesedahl
	Rick Wassenaar	Heating	Brad Fox
		Showroom	Michelle Timonen



Detroit Lakes

620 Davis Avenue
Detroit Lakes, MN 56501

(218) 847-9211

Branch Manager	Rich Johnston	Customer Service	Kelly Fingalson
City Desk	Steve Schmidt		Amanda Hasbrouck
	Jamie Schott		Kevin Johnson
	Anthony Siebels	Heating	Tony Larson



St. Cloud

726 21st Avenue NE
St. Joseph, MN 56374

(320) 259-6086

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	Justin Schneider		Joe Orcutt
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			Randy Wachman
		Showroom	Joanie Carlin

Branch Locations

Brainerd

902 Thiesse Drive
Brainerd, MN 56401

(218) 828-4242



Branch Manager	Randy Schulz	City Desk	Tim Davis
Asst. Branch Manager	Tim Davis		Jeremy Driver
Geothermal Manager	Kent Schwen		Rudy Egberts
Warehouse Foreman	Jeff Trouten		Brenda Lenk
			Chad Rateike
		Customer Service	Zach Ziegler
		Showroom	Rhonda Strand

Sioux Falls

2905 North 4th Avenue
Sioux Falls, SD 57104

(605) 332-3444



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Asst. Branch Manager	Chuck Augspurger		Ryan Schuster
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	Brandon Navarro	Showroom	Joe Bylsma
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		Hyrdronics	James Smith

Fargo

1251 North 46th Street
Fargo, ND 58102

(701) 298-3210



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Showroom	Sandra Quittschreiber		Mark Nicolai
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	Nick Salquist		Travis VanHal
	Michael Zehring	Heating Quotations	Matthew Soucek
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Branch Locations



Rochester

3347 NW 19th Street
Rochester, MN 55901

(507) 529-1284

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City Desk	Bric Barger		Todd Erickson
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	Isaac Bendix	Showroom	Shelly Shade



Eau Claire

3542 Hogarth Street
Eau Claire, WI 54703

(715) 830-1800

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Asst. Branch Manager	Matt Stone		Jamie Paape
City Desk	Andy Klevgard		Natalie Ramsdell
		Heating	Harrison Kruschke
			Mark Stern



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8820 S 117th Street
La Vista, NE 68128

(402) 331-6813

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	Jaden Haugen		
Shipping	Aaron Kruse		

Branch Locations

Wausau

2003 County Highway U
Wausau, WI 54401

(715) 675-2513



Branch Manager	Aaron Wallin	Customer Service	Ruby Thoma
Customer Service	Brandon Fisher		RJ Weaver
	Austin Goddard		Nick Butterfield
		Heating	Gary Anderle

Milwaukee

2200 East College Avenue
Cudahy, WI 53110

(262) 781-1770



Branch Manager	Chris Czaplewski	Customer Service	Mark Miller
Customer Service	Brian Lynch	Heating	Darren Haslbeck

Madison

2067 S Stoughton Road
Madison, WI 53716

(608) 663-0331



Branch Manager	Adam Bazan	Customer Service	Keith Schleif
City Desk	Jason Dornbrook		
	Beverly Ferguson		
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Green Bay

2050 South Ashland Avenue
Green Bay, WI 54304

(920) 884-9494



Branch Manager	John Joseph	Customer Service	Richard Martin
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DOORWAY TO QUALITY

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Americast®

Americast consists of porcelain on metal with a molded-on composite backing with the structural strength of cast iron. Extremely light-weight (half the weight of cast iron), Americast engineered material is easy to install and practical for structural engineers when planning multiple-unit housing facilities.



Cambridge Integral Apron Tub

- Durable Americast is lighter than cast iron, easier to handle
- Soothing 14 in. depth for soaking comfort
- Excellent heat retention qualities keeps bath water warmer longer
- StanSure slip-resistant textured tub floor surface is easy to clean
- Durable, non-porous, glossy porcelain enamel finish is scratch resistant, easy to clean and retains luster
- Formed steel center layer is strong and stable
- Americast backing insulates the tub for a quieter showering experience
- Integral apron front and integral tile flange
- Padded carrying bars and leveling grid for easy installation
- 14 in. soaking depth (2 in. more with deep soak drain)
- Recommended universal brass drain or Deep Soak drain sold separately
- 60" Length x 32" Width x 17⅜" Depth

COLOR	STOCK NO	EACH
2460.002 Left Hand Plumbing		
White	*AS2460002020*	*1080.30*
2461.002 Right Hand Plumbing		
White	*AS2461002020*	*1080.30*

American Standard



Princeton Integral Apron Tub

- Americast® Brand Engineered Material
- Glossy porcelain finish
- Recessed bath with integral apron and tiling flange
- Integral lumbar support
- Beveled headrest
- Full slip-resistant surface
- End drain outlet
- New integral base
- 60" Length x 30" Width x 14" Depth

COLOR	STOCK NO	EACH
2390.202 Left Hand Plumbing		
White	*AS2390202020*	*537.19*
Bone	*AS2390202021*	*909.09*
Linen	*AS2390202222*	*585.99*
2391.202 Right Hand Plumbing		
White	*AS2391202020*	*537.19*
Bone	*AS2391202021*	*909.09*
Linen	*AS2391202222*	*585.99*

(17)

Universal Tile Bead Kit

STOCK NO	EACH
AS751755100	*85.51*



Gel-Coat Soaking Tub

Unit Outside Dimension: 59.5" x 33.5" x 19.25"
Inside tub Dimension:
- Top of well: 55" x 20"
- Bottom of well: 44" x 15" in seating area

Apron Height: 18"

MODEL	STOCK NO	EACH
WR 610 Right Hand Plumbing		
White	*WR610WH*	*739.94*
WR 611 Left Hand Plumbing		
White	*WR611WH*	*739.94*



Front Fit Gel-Coat Tub/Shower

3-Piece
Tub Dimensions: 60" x 30" x 79"
Inside Tub Dimensions:
- Top of Well: 52" x 21 1/2"
- Bottom of Well: 45" x 19"

Door Opening: 56.5" x 62.25"
Apron Height: 15.5"

MODEL	STOCK NO	EACH
WR 330 FF Right Hand Plumbing		
White	*WR330FFWH*	*1859.63*
WR 331 FF Left Hand Plumbing		
White	*WR331FFWH*	*1859.63*



Gel-Coat Tub/Shower

1-Piece
Extra spacious shelving. Acrylic grab bar
Tub Dimensions: 60" x 32.5" x 76"
Inside Tub Dimensions:
- Top of Well: 53" x 22"
- Bottom of Well: 44" x 19"

Door Opening: 52" x 58.75"
Apron Height: 15.5"

COLOR	STOCK NO	EACH
WR 544 Right Hand Plumbing		
White	*WR544WH*	*1170.59*
Linen	*WR544LI*	*1170.59*
WR 545 Left Hand Plumbing		
White	*WR545WH*	*1170.59*
Linen	*WR545LI*	*1170.59*



Gel-Coat Tub/Shower

1-Piece
Acrylic grab bar
Unit Dimensions: 60" x 36" x 76.5"
Inside Tub Dimensions:
- Top of Well: 53" x 25"
- Bottom of Well: 44" x 22"

Door Opening: 51.75" x 55"
Apron Height: 20"

COLOR	STOCK NO	EACH
WR 544-D Right Hand Plumbing		
White	*WR544DWH*	*1679.54*
WR 545-D Left Hand Plumbing		
White	*WR545DWH*	*1679.54*



Front Fit Gel-Coat Remodeling Tub/Shower

3-Piece
Unit Dimensions: 60" x 33" x 75.5"
Inside Tub Dimensions:
- Top of Well: 53" x 22 1/2"
- Bottom of Well: 44" x 19"

Door Opening: 51.75" x 58.75"
Front Apron Height: 15.5"

COLOR	STOCK NO	EACH
WR 744-FF Right Hand Plumbing		
White	*WR744WH*	*1949.67*
WR 745-FF Left Hand Plumbing		
White	*WR745WH*	*1949.67*



Big, Big Ole Tub/Shower

1-Piece
Unit Dimensions: 72" x 36" x 76"
Inside Tub Dimensions:
- Top of Well: 63" x 26"
- Bottom of Well: 55" x 23.5"

Door Opening: 63.5" x 55"
Front Apron Height: 20"

COLOR	STOCK NO	EACH
WR 672-D Right Hand Plumbing		
White	*WR672DWH*	*1918.35*
WR 673-D Left Hand Plumbing		
White	*WR673DWH*	*1918.35*

ADA-Compliant Showers



ADA-Compliant Transfer Shower

Transfer shower with Inside Dimensions: 36" x 36" as measured at the centerline of the shower in accordance with ADA guidelines.
Unit Outside Dimensions: 40" x 40" x 77.5"
Inside Dimension: 36" x 36" measured at centerline of unit

COLOR	STOCK NO	EACH
WR-3636 B MN Right Seat, Center Drain		
White	*WR3636BMNRWH*	*3323.84*
WR-3636 B MN Left Seat, Center Drain		
White	*WR3636BMNLWH*	*3323.84*



ADA-Compliant Transfer Shower

Roll-in shower with an Inside Dimensions: 60" x 30" as measured at the centerline of the shower in accordance with ADA guidelines.
Unit Outside Dimensions: 64" x 33.5" x 77.5"
Inside Dimension: 60" x 30" measured at centerline of unit

COLOR	STOCK NO	EACH
WR-6030-B-MN Right Seat, Center Drain		
White	*WR6030BMNRWH*	*3637.04*
WR-6030-B-MN Left Seat, Center Drain		
White	*WR6030BMNLWH*	*3637.04*



Gel-Coat Shower
1-Piece
Extra Roomy 48″ shower
with NO seat, Twin Corner Shelves
Unit Dimensions: 48" x 36" x 81.5"
Door Opening: 45.25" x 73.25"
Inside Dam Height: 3"
Finish: Gelcoat

COLOR	STOCK NO	EACH
WR 480, Center Drain		
White	*WR480WH*	*1407.44*



Front Fit Remodeling Shower
3-Piece
Low 3″ Front outside threshold for easy step over,
Large Contoured seat, Twin Corner shelves
Unit Dimensions: 60" x 30" x 80.5"
Door Opening: 56.5" x 76"
Finish: Gelcoat

COLOR	STOCK NO	EACH
WR 530-FF Left Seat, Right Drain		
White	*WR530FFWH*	*1859.63*
WR 531-FF Right Seat, Left Drain		
White	*WR531FFWH*	*1859.63*



Front Fit Remodeling Shower
3-Piece
Low 3″ Front outside threshold for easy step over,
2 sets of Twin Corner shelves
Unit Dimensions: 60" x 34" x 81", 1.5" inside dam
Door Opening: 56.5" x 75.75"
Inside Shower Dimensions: 56.5" x 24"
Finish: Gelcoat

COLOR	STOCK NO	EACH
WR 534-FF, Center Drain		
White	*WR534FFWH*	*2182.61*



Gel-Coat Shower
1-Piece
Largest contoured seat in its class, Extra height
(79″) for comfort and safety (keeps water in
the shower and off the floor), Corner shelf for
shampoos, soaps and accessories
Unit Dimensions: 48" x 36" x 79"
Door Opening: 40" x 72.75"
Inside Shower Dimensions: 41" x 29"
Finish: Gelcoat

COLOR	STOCK NO	EACH
WR 852 Left Seat, Center Drain		
White	*WR852WH*	*1166.67*
Linen	*WR852LI*	*1166.67*
WR 853 Right Seat, Center Drain		
White	*WR853WH*	*1166.67*
Linen	*WR853LI*	*1166.67*



Front Fit Remodeling Shower
3-Piece
Largest contoured seat in its class, Elevated
corner shelf for shampoos, soaps and
accessories, Extra Height for comfort and safety
Optional WR85 dome.
Unit Dimensions: 48" x 36" x 81.5"
Inside Shower Dimensions: 41" x 29"
Door Opening: 38.5" x 73.5"
Front Threshold Height: 6"

COLOR	STOCK NO	EACH
WR 350-FF Left Seat, Center Drain		
White	*WR350WH*	*1624.73*
WR 351-FF Right Seat, Center Drain		
White	*WR351WH*	*1624.73*



Collapsible Dam & End Caps
60" long dam, End Caps sold in pairs

COLOR	STOCK NO	EACH
White Dam	*CD60*	*78.30*
White End Caps	*EC01*	*78.30*



Front-Fit Remodeling Shower
3-Piece
Built-in corner shelf and supports
for shower door. Less drain and optional dome.
Unit Dimensions: 36" x 36" x 82.5"
Door Opening: 26" x 74.75"
Inside Shower Dimensions: 30" x 30"
Finish: Gelcoat

COLOR	STOCK NO	EACH
WR 333-FF, Center Drain		
White	*WR333WH*	*1511.19*



Gel-Coat Shower
1-Piece
Unit Dimensions: 60" x 36" x 81"
Inside Shower Dimensions: 53" x 29"
Door Opening: 50.25" x 73"
Seat Height: 17"
Front Threshold Height: 6"

COLOR	STOCK NO	EACH
WR 860 Left Seat, Center Drain		
White	*WR860WH*	*1342.85*
WR 861 Right Seat, Center Drain		
White	*WR861WH*	*1342.85*



Front Fit Remodeling Shower
3-Piece
Unit Outside Dimension: 48" x 36" x 79"
Inside Dimension: 44" x 29"
Door Opening: 41.875" x 74"
Front Outside Threshold height: 3"
Inside dam height: 1.5"

COLOR	STOCK NO	EACH
WR 248-FF, Center Drain		
White	*WR248WH*	*1624.73*

Warm Rain Tub and Showers

warmrain.com

Warm Rain Embassy Series (15)

Above Floor Rough-In



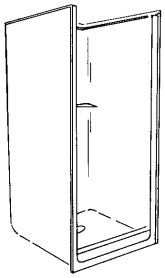
Gel-Coat Tub/Shower

Acrylic grab bar. Textured floor
Unit Dimensions: 60" x 32½" x 74"
Inside Tub Dimensions:
- Top of Well: 52½" x 23¼"
- Bottom of Well: 44" x 19"

Door Opening: 57" x 56½"
Apron Height: 15"

COLOR	STOCK NO	EACH
E 45 AFR Left Hand Plumbing		
White	*E45WHAFR*	*1084.46*
Linen	*E45LIAFR*	*1084.46*
E 44 AFR Right Hand Plumbing		
White	*E44WHAFR*	*1084.46*
Linen	*E44LIAFR*	*1084.46*

One-Piece Showers



E32 32" Gel-Coat Shower

Unit Dimensions: 32" x 32" x 81½"
Inside Shower Dimensions: 30" x 28"
Door Opening: 30" x 75"
Front Threshold Height: 5"

COLOR	STOCK NO	EACH
White	*E32WH*	*1182.33*

E36 36" Gel-Coat Shower

Unit Dimensions: 36" x 36" x 79½"
Inside Shower Dimensions: 34" x 30"
Door Opening: 34" x 72¾"
Front Threshold Height: 5"

COLOR	STOCK NO	EACH
White	*E36WH*	*1080.54*
Linen	*E36LI*	*1080.54*

E48 48" Gel-Coat Shower

Unit Dimensions: 48" x 36" x 81.5"
Inside Shower Dimensions: 45" x 30"
Door Opening: 45¼" x 73¼"
Front Threshold Height: 6"

COLOR	STOCK NO	EACH
White	*E48WH*	*1166.67*



Gel-Coat Shower Neo-Angle

1-Piece
Unit Dimensions: 39" x 39" x 83"
Door Opening: 16¾" x 24¾" x 16¾"
Inside Shower Dimensions: 45" x 30
Finish: Gelcoat

COLOR	STOCK NO	EACH
WR 490 1-Piece		
White	*WR490WH*	*1139.27*
WR 492 2-Piece, Base and Wall Separate		
White	*WR492WH*	*1663.88*

NEW ITEM



Gel-Coat Shower

1-Piece
Low 3″ Front outside threshold for easy step over, Twin Corner shelves
Unit Dimensions: 60" x 36" x 78", 1½" inside dam
Door Opening: 57¼" x 73½"
Inside Shower Dimensions: 57" x 29"
Finish: Gelcoat

COLOR	STOCK NO	EACH
WR 584, Center Drain		
White	*WR584WH*	*1370.25*



CM-60 Alcove Tub & Shower

- One-piece tub shower with AcrylX™ finish
- Built-in back wall shelves with soap dish

Dimensions: 60" x 31½" x 72"
Door Opening: 55¾" x 55½"
Product ID: 141000

COLOR	STOCK NO	EACH
Right Hand Plumbing		
White	*CM60RWH*	*804.43*
Left Hand Plumbing		
White	*CM60LWH*	*804.43*



KDTS 3060 AFR Alcove Tub & Shower

- Four-piece AFR tub shower with AcrylX™ finish
- Built-in back wall shelves with soap dish

Dimensions: 59⅞" X 30⅛" X 79⅝"
Door Opening: 56½" x 61⅝"
Product ID: 142007

COLOR	STOCK NO	EACH
Tub Only Right Hand Drain		
White	*142011RWH*	*884.78*
Tub Only Left Hand Drain		
White	*142011LWH*	*884.78*
Side Wall Set (2 Included)		
White	*142048WH*	*377.51*
Back Wall		
White	*142061WH*	*343.18*

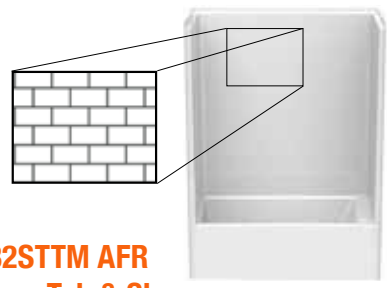


KDTS 3260 AFR Alcove Tub & Shower

- Four-piece AFR tub shower with AcrylX™ finish
- Built-in back wall shelves with soap dish

Dimensions: 59¾" X 32" X 81¾"
Door Opening: 56⅛" x 62¾"
Product ID: 142013

COLOR	STOCK NO	EACH
Tub Only Right Hand Drain		
White	*142017RWH*	*884.78*
Tub Only Left Hand Drain		
White	*142017LWH*	*884.78*
Side Wall Set (2 Included)		
White	*142051WH*	*342.24*
Back Wall		
White	*142061WH*	*343.18*



6032STTM AFR Alcove Tub & Shower

- One-piece AFR tub and shower with subway tile design and AcrylX™ finish
- Ergonomic backrest

Dimensions: 60" x 32" x 81¼"
Door Opening: 62" x 56"
Product ID: 141393

COLOR	STOCK NO	EACH
Right Hand Plumbing		
White	*6032STTMRWH*	*1163.03*
Left Hand Plumbing		
White	*6032STTMLWH*	*1163.03*



KDS 3060 AFR Alcove Shower

- Four-piece AFR shower with AcrylX™ finish
- Built-in back wall shelves with soap dish

Dimensions: 59¾" X 30" X 83⅛"
Door Opening: 56½" x 75⅞"
Product ID: 142037

COLOR	STOCK NO	EACH
Shower Base Right Hand Seat, Left Drain		
White	*142041RWH*	*884.78*
Shower Base Left Hand Seat, Right Drain		
White	*142041LWH*	*884.78*
Shower Base No Seat, Center Drain		
White	*142041WH*	*884.78*
Side Wall Set (2 Included)		
White	*142048WH*	*377.51*
Back Wall		
White	*142061WH*	*343.18*



KDS 3448 AFR Alcove Shower

- Four-piece AFR shower with AcrylX™ finish
- Built-in back wall shelves with soap dish

Dimensions: 47⅞" X 33⅝" X 80⅛"
Door Opening: 44½" x 76"
Product ID: 142031

COLOR	STOCK NO	EACH
Shower Base Right Hand Seat, Center Drain		
White	*142035RWH*	*845.59*
Shower Base Left Hand Seat, Center Drain		
White	*142035LWH*	*845.59*
Shower Base No Seat, Center Drain		
White	*142035NSWH*	*845.59*
Side Wall Set (2 Included)		
White	*142057WH*	*410.87*
Back Wall		
White	*142064WH*	*241.19*



S-36 Alcove Shower

- One-piece tub shower with AcrylX™ finish
- Built-in corner shelves, center drain

Dimensions: 36" x 36" x 72"
Door Opening: 66" x 33"
Product ID: 141022

COLOR	STOCK NO	EACH
White	*S36WH*	*920.01*



SHLS/RS-48 AFR Alcove Shower

- One-piece tub shower with AcrylX™ finish
- Two-level built-in corner shelves

Dimensions: 48" x 36" x 79"
Door Opening: 71½" x 45½"
Product ID: 141033

COLOR	STOCK NO	EACH
Right Hand Seat, Center Drain		
White	*SHRS48WH*	*988.52*
Left Hand Seat, Center Drain		
White	*SHLS48WH*	*988.52*



SHLS/RS-60 AFR Alcove Shower

- One-piece tub shower with AcrylX™ finish
- Two-level built-in corner shelves

Dimensions: 60" x 36" x 79"
Door Opening: 72½" x 57½"
Product ID: 141036

COLOR	STOCK NO	EACH
Right Hand Seat, Center Drain		
White	*SHRS60WH*	*1111.85*
Left Hand Seat, Center Drain		
White	*SHLS60WH*	*1111.85*



KDS 3460 AFR Alcove Shower

- Four-piece AFR shower with AcrylX™ finish
- Built-in back wall shelves with soap dish

Dimensions: 59¾" X 33½" X 82⅛"
Door Opening: 56½" x 75⅞"
Product ID: 142043

COLOR	STOCK NO	EACH
Shower Base Right Hand Seat, Left Drain		
White	*142047RWH*	*1062.91*
Shower Base Left Hand Seat, Right Drain		
White	*142047LWH*	*1062.91*
Side Wall Set (2 Included)		
White	*142057WH*	*410.87*
Back Wall		
White	*142061WH*	*343.18*

Mustee Shower Stalls & Bases (18)

mustee.com



DURASTALL® Premier Shower Cabinet

- Slip-resistant floor with drain
- Shower valve and head
- Shower curtain and curtain rod
- Safety railing with molded-in soap dish and shampoo holder
- Mold and mildew-resistant components

SIZE	STOCK NO	EACH
32" x 32"	MU80	612.00



Mustee Replacement Shower Valve

Metallic shower head/arm and crystal polystyrene handles. The plastic constructed valve is designed with a large 4" center for enhanced water flow, and better control of pressure and temperature for comfortable, consistent shower.

MODEL	STOCK NO	EACH
80.400P	MU80400	73.01



DURABASE® Square Shower Floors

SIZE	STOCK NO	EACH
32x32	MU3232M	220.98
36x36	MU3636M	257.82



DURAWALL® Square Shower Walls

For Use with SQUARE Durabases listed above

SIZE	STOCK NO	EACH
32x32	MU732SWHT	723.36
36x36	MU736SWHT	802.68



DURABASE® Rectangular Shower Floors

SIZE	STOCK NO	EACH
34x48	MU3448M	313.08
34x60	MU3460M	389.26
32x48	MU3248M	306.29
36x48	MU3648M	336.20



DURAWALL® Rectangle Shower Walls

For Use with RECTANGLE Durabases listed above

FOR USE WITH	STOCK NO	EACH
32x48	MU74832SWHT	824.93
34x48	MU74834SWHT	824.93



DURABASE® Neo Angle Shower Floors

SIZE	STOCK NO	EACH
36x36	MU3636CM	277.74
38x38	MU3838CM	304.09



DURAWALL® Neo-Angle Shower Walls

For Use with NEO-ANGLE Durabases listed above

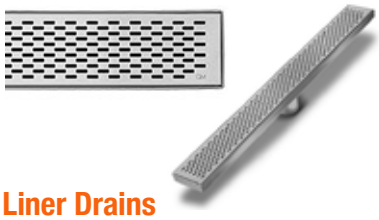
FOR USE WITH	STOCK NO	EACH
36x36	MU736CWHT	688.22
38x38	MU738CWHT	748.55



DURAWALL® Rectangle Shower Walls

For Use with BARRIER-FREE bases or RECTANGLE Durabase MU3460M

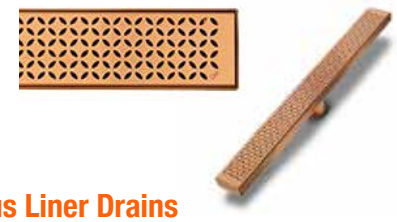
FOR UP TO	STOCK NO	EACH
60"W x 40"D	MU260WHT	631.25



Delta Liner Drains

Versatile, allows you to pitch your surface from any direction. 100% Stainless Steel Marine 316.

FINISH	SIZE	STOCK NO	EACH
Satin	28" x 3/8"	3330003	527.31
Satin	36" x 3/8"	3330005	642.60
Satin	48" x 3/8"	3330006	811.76
Polished	28" x 3/8"	3330003P	534.87
Polished	36" x 3/8"	3330005P	650.16
Polished	48" x 3/8"	3330006P	825.93



Lotus Liner Drains

Versatile, allows you to pitch your surface from any direction. 100% Stainless Steel Marine 316.

FINISH	SIZE	STOCK NO	EACH
Bronze	28" x 3/8"	3340003	595.35
Bronze	36" x 3/8"	3340005	756.00



Mist (Tile-in) Liner Drains

Tile-in surface material in the center channel. Versatile, allows you to pitch your surface from any direction. 100% Stainless Steel Marine 316.

FINISH	SIZE	STOCK NO	EACH
Satin	28" x 3/8"	3350003	686.34
Satin	36" x 3/8"	3350005	831.69
Satin	48" x 3/8"	3350006	1050.60



Adaptor/Threaded Nipple with gasket

STOCK NO	EACH
8310006	7.56



Delta Square Drains

Centrally located, four-way pitched drain. 100% Stainless Steel Marine 316.

FINISH	SIZE	STOCK NO	EACH
Satin	5¾" x 5¾"	3330001	174.83
Polished	5¾" x 5¾"	3330001P	207.90



Lotus Square Drains

Centrally located, four-way pitched drain. 100% Stainless Steel Marine 316.

FINISH	SIZE	STOCK NO	EACH
Bronze	5¾" x 5¾"	3340001	335.48
ORB	5¾" x 5¾"	3340001ORB	335.48



Mist (Tile-in) Square Drain

Tile-in surface material in the center of the grate. Centrally located, four-way pitched drain. 100% Stainless Steel Marine 316.

FINISH	SIZE	STOCK NO	EACH
Satin	5¾" x 5¾"	3350001	217.35



Nami Square Drain

Centrally located, four-way pitched drain. 100% Stainless Steel Marine 316.

FINISH	SIZE	STOCK NO	EACH
Satin	5¾" x 5¾"	3310001	174.83



PVC Drain Flange

Clamp down floor drain. 2" throat, 2" outlet, 6¼" diameter.

STOCK NO	EACH
8310000	33.08

See page 1311 for additional drains



827/828 Series Outer-Locknut Style

No-caulk fiberglass, with compression gasket & stainless steel strainer. Fits 2" Schedule DWV pipe

BODY	STOCK NO	EACH
Plastic	2PNCSD	13.12
Brass	2BRNCSD	34.79

Polished Brass Strainer Only for drains above

STOCK NO	EACH
SC8272SP	57.02



825 Series Receptor-Base Style

Solvent weld over 2" Schedule 40 DWV pipe.

MATERIAL	SIZE	STOCK NO	EACH
PVC	2"	SC82527P	10.07

Strainer Cover

4¼"Snap-in • 2⅞" Prong-to-Prong

FINISH	STOCK NO	EACH
Satin Nickel	4T04331	23.24
Oil Rubbed Brz	4T04334	23.24
Flat Black	4T04320	21.38

trimtothetrade.com



Screw-in Stainless Steel Drain Assembly

Solvent welds over 2" Schedule 40 DWV pipe.

MATERIAL	SIZE	STOCK NO	EACH
ABS	2"	2ABSSOWESD	10.22
PVC	2"	2PVSOWESD	10.22

Strainer Only for drains above

FINISH	STOCK NO	EACH
Flat Black	4T09120	28.81
Satin Nickel	4T09131	33.46
Oil Rubbed Bronze	4T09134	33.46



Low Profile Drain Assembly

Bolt down clamping ring. Fits ov
Schedule 40 DWV pipe.

MATERIAL	SIZE	STOCK NO	EACH
ABS	2"	2ABCLRISD	15.27
PVC	2"	2PVCLRISD	15.27



Shower Pan Drain

Cast metal ring and strainer.
- No. 821-200ANR

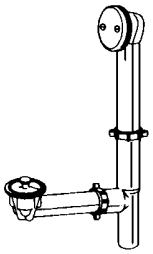
MATERIAL	SIZE	STOCK NO	EACH
ABS	2"	821200ANR	60.28



PVC Shower Pan Drain

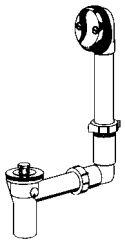
Polished Metal Ring and Strainer

PIPE SIZE	TOP DIA.	HEIGHT	STOCK NO	EACH
2"	4⅜"	4⅛ — 5⅜"	SC821200PNR	60.28



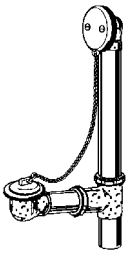
Uni-Lift Bath Drain

DESCRIPTION	STOCK NO	EACH
ABS	DBA8227BG	28.16
PVC	DBP8227BG	28.16



Direct Outlet Uni-Lift Bath Drain

DESCRIPTION	STOCK NO	EACH
PVC	DBP8227D	42.10



Chain and Stopper Bath Drain

For 16" leg tubs.

FINISH	STOCK NO	EACH
22 Gauge C.P. Brass	DB2021	134.42



4T-1902C Lift & Turn Conversion Kit

Includes: 2-hole face plate & screws, bath plug

FINISH	STOCK NO	EACH
Brass reducing bushing • 1-⅝" OD		
Satin Nickel	4T1902CB31	74.36
Oil Rubbed Bronze	4T1902CB34	74.36
Flat Black	4T1902CB20	57.63

trimtothetrade.com



Uni-Lift Bath Waste Kit

Includes double hole face plate with screws and Uni-Lift assembly, bagged.

FINISH	STOCK NO	EACH
Chrome/PVC	DBP9225BBG	28.16



Overflow Face Plate

FINISH	STOCK NO	EACH
Chrome	DB45031	11.91



(21)

IPS Push-N-Lift Bath Drain

FINISH	STOCK NO	EACH
Chrome	IPS61306	68.16



NEW ITEM

Freestanding Tub Drain

Includes drain body, test plug, brass/poly tailpiece, and tailpiece gasket.

PIPE	STOCK NO	EACH
PVC	SC8192P	58.27



Nufit™ Presflo® Trim Kit

Brass body, plastic stopper assembly, metal overflow plate, adapter bar & screw, and suction cup.

- Opening: min. 1½" I.D. max. 2⅞" O.D.

FINISH	STOCK NO	EACH
Chrome	WCC48100CP	40.45



Watco 901-LT Innovator Lift and Turn

1½" Schedule 40 PVC solvent weld assembly.

FINISH	STOCK NO	EACH
Chrome	WT901LTPVCCP	32.58

Watco Snap-In Trim Kit

For 901-LT Innovator Lift & Turn

FINISH	STOCK NO	EACH
White	WA959290WH	54.78
Biscuit	WA959290BS	74.28
Brushed Nickel	WA959290BN	59.94
Oil Rubbed Bronze	WA959290BZ	65.96
Wrought Iron	WA959290WI	59.39



WATCOflex Bath Waste

Lift & Turn. 16" Chrome.

PIPE	STOCK NO	EACH
PVC	WATFLEXPVC16	53.53

WATCOflex Bath Waste

Lift & Turn. 24" Chrome.

- 900 Series

PIPE	STOCK NO	EACH
PVC	WATFLEX924	67.05



Watco Innovator Cable

Up to 16" • CableFlex • Chrome.

- 928-CA Series

PIPE	STOCK NO	EACH
PVC	WATCAFLEX	150.31



Watco Universal NuFit®

Fits over tub drain without removing strainer body and installs in minutes.

STOCK NO	EACH
WA948700PPCPG3P	39.14

Gerber Bath Drains (18)

gerber-us.com



Pop-Up Bath Drain

with metal overflow plate, plunger, shoe plug and metal linkage.

DESCRIPTION	STOCK NO	EACH
PVC	GE41500	87.82



LIft and Turn Bath Drain

With metal overflow plate, shoe plug and metal linkage.

FINISH	STOCK NO	EACH
PVC	GE41550	51.77



Trip Lever Bath Drain

Heavy chrome plated and decorator finishes. Adjusts to fit any tub 14" to 16" high. Patented quick-fit wire linkage "aligner". Patented self-retaining overflow gasket. With Strainer.

DESCRIPTION	STOCK NO	EACH
20 Gauge C.P. Brass	GE41818	150.24



Lift & Turn

- 20 gauge, plated zinc nuts
- All-Tub Drain in Tee (fits most tubs 14" to 16" high)

FINISH	STOCK NO	EACH
Chrome	GE41858	138.60



(16)

Trip Lever Bath Drain

- 1½" PVC Tubing
- 41-510 Series (fits most tubs 14" to 16" high)

FINISH	STOCK NO	EACH
Chrome	GE41510	52.66



(16)

Trip Lever Bath Drain

- 1½" PVC Tubing
- 41-513 Series (fits most tubs up to 24" high)

FINISH	STOCK NO	EACH
Chrome	GE41513	91.51

Mountain Plumbing Bath Drains (18)

mountainplumbing.com



Mountain Cable Operated Bath Waste and Overflow

- 1½" Schedule 20 Tubular Drain
- Flexible Overflow Neck swivels and conforms to any angle bathtub
- Vertical Pipe 12" to 22"
- Horizontal Pipe 7" to 13"

TRIM	STOCK NO	EACH
Chrome	BDR20S222CP	184.30
White	BDR20S222WH	181.59
Biscuit	BDR20S222BI	181.59
Brushed Nickel	BDR20S222BN	246.86
Venetian Bronze	BDR20S222VB	291.75
Matte Black	BDR20S222MB	314.19

Basco Tub and Shower Doors (18)

bascoshowerdoor.com



Framed Pivot Shower Door

- Drip system keeps water inside the shower
- Pivot jamb with a pin assembly instead of hinges for smooth operation and easy out-of-square adjustment
- Full length magnet holds door securely in place to keep water from escaping

FRAME	STOCK NO	EACH
Clear glass, can be used with WR 333 25⅞-26⅞" wide x 70½" tall		
Silver	*BA10026X70CLSV*	*750.80*
Clear glass, can be used with WR E32 30" wide x 75" tall		
Silver	*BA10030X75CLSV*	*945.89*



Deluxe Framed ³⁄₁₆" Clear Glass Sliding Tub and Shower Doors

- Two towel bars.
- Heavy gauge polished anodized metal.
- Roller assembly adjustable up to ⅜" for out-of square wall conditions.
- Stay-Kleen track with gentle slope and rounded front keeps water in the shower and off floor.
- By-pass stop keeps inside panel on same side as shower head to prevent leakage.
- Safety T-lock secures header to hold panels in place.
- Jamb bumpers secure panels in place.

FRAME	STOCK NO	EACH
Clear glass, 50¹⁄₁₆-52"wide, 58½" tall		
Silver	*BA615052X58CLSV*	*671.72*
Clear glass, 56-60"wide, 58½" tall Can be used for WR330 or WR331		
Silver	*BA6150A60X58CLSV*	*716.01*
Clear glass, 45-47" wide, 71½" tall Can be used for WR480		
Silver	*BA7150A48X71CLSV*	*805.64*
Clear glass, 50-52" wide, 71½" tall Can be used for WR860 or WR861		
Silver	*BA715052X71CLSV*	*836.23*
Clear glass, 57-59" wide, 71½" tall Can be used for WR530 or WR531		
Silver	*BA715060X71CLSV*	*880.51*



Deluxe Framed Neo Angle Swing Shower Doors

- Door swings out only
- Reversible on install for a left or right swing
- Drip rail system includes a channel that keeps the water in the shower
- A full-length magnet holds the door closed

GLASS	STOCK NO	EACH
Silver frame, can be used with WR 490 38½ wide x 72⅛" tall		
³⁄₁₆" Obscure.	*BA160WRX72OBSV*	*2001.43*

BASCO SHOWER ENCLOSURES

Reserved

Reserved

Cadet Pro • 12" Rough-ins

Cadet® Pro™ Round Toilet



Cadet® Flushing System
- 3" flush valve
- 2⅛" fully glazed trapway
- Chrome trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Round Front Bowl		
White with EverClean. .	AS3517D101020	146.81
Bone with EverClean . .	AS3517D101021	179.62
Linen with EverClean. .	AS3517D101222	179.62
1.28 GPF Tank • Combination 215DA104		
White	AS4188A104020	123.75
Bone.	AS4188A104021	149.04
Linen.	AS4188A104222	149.04
1.28 GPF Tank with Aquaguard Liner		
White	AS4188A154020	244.01
Bone.	AS4188A154021	235.37
Linen.	AS4188A154222	235.37
1.6 GPF Tank • Combination 215DA004		
White	AS4188A004020	123.75

Cadet® Pro™ Right Height Round Toilet



Cadet® Flushing System
- 3" flush valve
- 2⅛" fully glazed trapway
- Chrome trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA 16½" Rim Height Round Front Bowl		
White with EverClean. .	AS3517B101020	205.78
Linen with EverClean. .	AS3517B101222	251.51
1.28 GPF Tank • Combination 215BA104		
White	AS4188A104020	123.75
Linen.	AS4188A104222	149.04
1.28 GPF Tank with Aquaguard Liner		
White	AS4188A154020	244.01
Linen.	AS4188A154222	235.37
1.6 GPF Tank • Combination 215BA004		
White	AS4188A004020	123.75

Cadet Pro Accessories

Cadet Pro Tank ONLY with Right Hand Trip Lever



12" Rough-ins ONLY • White

GPF	STOCK NO	EACH
1.6 GPF.	AS4188A005020	146.27
1.28 GPF	AS4188A105020	148.460

Cadet Pro EZ Install 3" Tank to Bowl Coupling Kit



Kit contains the coupling nut, coupling washer and handle kit

STOCK NO	EACH
AS73812532010070A	33.06

Cadet® Pro™ Elongated Toilet



Cadet® Flushing System
- 3" flush valve
- 2⅛" fully glazed trapway
- Chrome trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Elongated Front Bowl		
White with EverClean. .	AS3517C101020	180.45
Bone with EverClean . .	AS3517C101021	220.32
Linen with EverClean. .	AS3517C101222	220.32
1.28 GPF Tank • Combination 215CA104		
White	AS4188A104020	123.75
Bone.	AS4188A104021	149.04
Linen.	AS4188A104222	149.04
1.28 GPF Tank with Aquaguard Liner		
White	AS4188A154020	244.01
Bone.	AS4188A154021	235.37
Linen.	AS4188A154222	235.37
1.6 GPF Tank • Combination 215CA004		
White	AS4188A004020	123.75

Cadet® Pro™ Right Height Elongated Toilet



Cadet® Flushing System
- 3" flush valve
- 2⅛" fully glazed trapway
- Chrome trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA 16½" Rim Height Elongated Front Bowl		
White with EverClean. .	AS3517A101020	223.64
Bone with EverClean . .	AS3517A101021	268.19
Linen with EverClean. .	AS3517A101222	268.19
1.28 GPF Tank • Combination 215AA104		
White	AS4188A104020	123.75
Bone.	AS4188A104021	149.04
Linen.	AS4188A104222	149.04
1.28 GPF Tank with Aquaguard Liner		
White	AS4188A154020	244.01
Bone.	AS4188A154021	235.37
Linen.	AS4188A154222	235.37
1.6 GPF Tank • Combination 215AA004		
White	AS4188A004020	123.75
1.28 GPF Touchless Tank • Combination 215AA709		
White	AS4000709020	212.41

Cadet® Pro™ Extra Tall Height Elongated Toilet

NEW ITEM



Cadet® Flushing System
- 3" flush valve
- 2⅛" fully glazed trapway
- Chrome trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
19" Rim Height Extra Tall Elongated Front Bowl		
White with EverClean. .	AS3517T101020	257.54
1.28 GPF Tank • Combination 215TA104		
White	AS4188A104020	123.75
1.28 GPF Tank with Aquaguard Liner		
White	AS4188A154020	244.01

10" Rough-ins

Cadet® Pro™ Round Toilet



Cadet® Flushing System
- 3" flush valve
- 2⅛" fully glazed trapway
- Chrome trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Round Front Bowl		
White with EverClean. .	AS3517D101020	146.81
Bone with EverClean . .	AS3517D101021	179.62
Linen with EverClean. .	AS3517D101222	179.62
1.28 GPF Tank • Combination 215DB104		
White	AS4188B104020	168.97
Bone.	AS4188B104021	308.81
Linen.	AS4188B104222	308.81

Cadet® Pro™ Elongated Toilet



Cadet® Flushing System
- 3" flush valve
- 2⅛" fully glazed trapway
- Chrome trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Elongated Front Bowl		
White with EverClean. .	AS3517C101020	180.45
Bone with EverClean . .	AS3517C101021	220.32
Linen with EverClean. .	AS3517C101222	220.32
1.28 GPF Tank • Combination 215CB104		
White	AS4188B104020	168.97
Bone.	AS4188B104021	308.81
Linen.	AS4188B104222	308.81

Cadet® Pro™ Right Height Round Toilet



Cadet® Flushing System
- 3" flush valve
- 2⅛" fully glazed trapway
- Chrome trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA 16½" Rim Height Round Front Bowl		
White with EverClean. .	AS3517B101020	205.78
Linen with EverClean. .	AS3517B101222	251.51
1.28 GPF Tank • Combination 215BB104		
White	AS4188B104020	168.97
Linen.	AS4188B104222	308.81

Cadet® Pro™ Right Height Elongated Toilet



Cadet® Flushing System
- 3" flush valve
- 2⅛" fully glazed trapway
- Chrome trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA 16½" Rim Height Elongated Front Bowl		
White with EverClean. .	AS3517A101020	223.64
Bone with EverClean . .	AS3517A101021	268.19
Linen with EverClean. .	AS3517A101222	268.19
1.28 GPF Tank • Combination 215AB.104		
White	AS4188B104020	168.97
Bone.	AS4188B104021	308.81
Linen.	AS4188B104222	308.81

Champion Pro

Champion® Pro™ Right Height Round Toilet



4" piston-action Accelerator flush valve
- 2⅜" fully glazed trapway
- Chrome trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA 16½" Rim Height Round Front Bowl		
White with EverClean	*AS3195B101020*	*205.86*
Linen with EverClean	*AS3195B101222*	*216.88*
1.28 GPF Tank • Combination 211BA104		
White	*AS4225A104020*	*168.20*
Linen	*AS4225A104222*	*206.96*

Champion® Pro™ Right Height Elongated Toilet



4" piston-action Accelerator flush valve
- 2⅜" fully glazed trapway
- Chrome trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA 16½" Rim Height Elongated Front Bowl		
White with EverClean	*AS3195A101020*	*222.33*
Linen with EverClean	*AS3195A101222*	*267.91*
1.28 GPF Tank • Combination 211AA104		
White	*AS4225A104020*	*168.20*
Linen	*AS4225A104222*	*206.96*

Champion® Pro™ Tank ONLY with Right Hand Trip Lever



12" Rough-ins ONLY • White

GPF	STOCK NO	EACH
1.28 GPF	*AS4225A105020*	*189.16*

Baby Devoro

Baby Devoro™ FloWise® 10¼" Elongated Toilet



- For children or small people
- Fully glazed trapway
- Chrome trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
10¼" Rim Height Elongated Front Bowl		
White	*AS3128001020*	*147.49*
1.28 GPF Tank • Combination 2315228		
White	*AS4019228020*	*141.75*

Edgemere

Edgemere® Right Height Elongated Toilet



- 3" flush valve
- 2" fully glazed trapway
- Chrome trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA 16½" Rim Height Elongated Front Bowl		
White with EverClean	*AS3519A101020*	*175.55*
1.28 GPF Tank • Combination 204AA104		
White	*AS4519A104020*	*131.22*

Heritage

Heritage VorMax® Right Height Elongated Toilet



VorMax® Flushing System
- CleanCurve™ rim
- Dual injection flush valves
- 2 1/16" fully glazed trapway
- Chrome trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA 16½" Rim Height Elongated Front Bowl		
White with EverClean	*AS3870A101020*	*218.16*
1.28 GPF Tank • Combination 205AA.104		
White	*AS4270A104020*	*210.78*

Cadet 3

Cadet 3 FloWise® Right Height Round Toilet



Cadet® 3 Flushing System
- 3" flush valve
- 2⅛" fully glazed trapway
- Chrome trip lever
- Concealed bolts with side covers included

12" Rough-in • Includes Slow Close Toilet Seat

COLOR	STOCK NO	EACH
ADA 16½" Rim Height Round Front Bowl		
White with EverClean. . .	*AS3053000020*	*380.54*
1.28 GPF Tank • Combination 2988101		
White	*AS4000101020*	*113.18*

Cadet 3 FloWise® Right Height Elongated Toilet



Cadet® 3 Flushing System
- 3" flush valve
- 2⅛" fully glazed trapway
- Chrome trip lever
- Concealed bolts with side covers included

12" Rough-in • Includes Slow Close Toilet Seat

COLOR	STOCK NO	EACH
ADA 16½" Rim Height Elongated Front Bowl		
White with EverClean. . .	*AS3075000020*	*405.96*
1.28 GPF Tank • Combination 2989101		
White	*AS4000101020*	*113.18*
1.28 GPF Touchless Tank • Combination 2989709		
White	*AS4000709020*	*212.41*

Studio

Studio Right Height Round Toilet



LXP (Luxury Performance) Toilet with dual flush design
- 3" flush valve
- 2⅛" fully glazed trapway
- Concealed bolts with side covers included

12" Rough-in • Includes Slow Close Toilet Seat

COLOR	STOCK NO	EACH
ADA 16½" Rim Height Round Front Bowl		
White with EverClean. . .	*AS3053120020*	*417.45*
1.1/1.6 GPF Tank • Combination 2795204.020		
White	*AS4000204020*	*135.32*

Studio Right Height Elongated Toilet



LXP (Luxury Performance) Toilet with dual flush design
- 3" flush valve
- 2⅛" fully glazed trapway
- Concealed bolts with side covers included

12" Rough-in • Includes Slow Close Toilet Seat

COLOR	STOCK NO	EACH
ADA 16½" Rim Height Elongated Front Bowl		
White with EverClean. . .	*AS3075120020*	*430.57*
1.1/1.6 GPF Tank • Combination 2794204.020		
White	*AS4000204020*	*135.32*

Pressure-Assisted

Cadet Pressure-Assisted Elongated Toilet



Pressure-assisted siphon jet flush action
- 2⅛" fully glazed trapway
- Chrome trip lever
- Close-coupled flushometer tank

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Elongated Front Bowl		
White with EverClean. . .	*AS3481001020*	*102.87*
1.6 GPF Tank • Combination 2462016		
White	*AS4142016020*	*299.70*

Cadet Right Height Pressure-Assisted Elongated Toilet



Pressure-assisted siphon jet flush action
- 2⅛" fully glazed trapway
- Chrome trip lever
- Close-coupled flushometer tank

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA 16½" Rim Height Elongated Front Bowl		
White with EverClean. . .	*AS3483001020*	*125.55*
1.6 GPF Tank • Combination 2467016		
White	*AS4142016020*	*299.70*

Yorkville Right Height Pressure-Assisted Elongated Toilet



Pressure-assisted siphon jet flush action
- 2⅛" fully glazed trapway
- Chrome trip lever
- Close-coupled flushometer tank

Floor-mounted, back-outlet • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA 16½" Rim Height Elongated Front Bowl		
White with EverClean. . .	*AS3703001020*	*437.40*
1.6 GPF Tank • Combination 2878016		
White	*AS4142016020*	*299.70*

Pressure-Assisted Tank ONLY with Right Hand Trip Lever



12" Rough-ins ONLY • White

GPF	STOCK NO	EACH
1.6 GPF.	*AS4142800020*	*305.78*

Toilet Repair Parts (21)

Replacement Trip Lever



COLOR	STOCK NO	EACH
Chrome	AS7388990020A	43.58
White	AS7388990200A	30.05

Replacement Flapper



For 2" Flush Valves

STOCK NO	EACH
AS73811292000070A	37.57

Cadet 3 Replacement Flapper



For 3" Flush Valves

STOCK NO	EACH
AS7389200070A	19.53

Series 540A Replacement Flapper



For 3" Flush Valves

STOCK NO	EACH
AS73811932000070A	21.03

Champion Flush Valve Assembly



7 inch tube • 3.4 inch chain

STOCK NO	EACH
AS73819834000070AP	87.16

Sloan Flush Cartridge



For Pressure-Assisted toilets.

STOCK NO	EACH
SLC100500K	90.03

Commercial Floor Mount Toilets

Madera FloWise Elongated Toilet



Flushometer Valve
- 1.28 or 1.6 GPF depending on flush valve
- 2⅛" fully glazed trapway
- 1½" top inlet spud

Floor Mount, 10" or 12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
15" Rim Height Elongated Front Bowl		
White LESS EverClean	AS2234001020	116.84
White with EverClean. . .	AS3451001020	147.83

Madera FloWise Right Height Elongated Toilet



Flushometer Valve
- 1.28 or 1.6 GPF depending on flush valve
- 2⅛" fully glazed trapway
- 1½" top inlet spud

Floor Mount, 10" or 12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA 16½" Rim Height Elongated Front Bowl		
White LESS EverClean	AS3043001020	144.99
White with EverClean. . .	AS3461001020	174.15

Priolo FloWise Right Height Elongated Toilet



Flushometer Valve
- 1.28 or 1.6 GPF depending on flush valve
- 2⅛" fully glazed trapway
- 1½" top inlet spud

Floor-mounted, back-outlet • LESS Toilet Seat

COLOR	STOCK NO	EACH
White with EverClean. . .	AS3695001020	458.01

Baby Devoro™ FloWise® 10¼" Round Toilet



Flushometer Valve
- 1.28 or 1.6 GPF depending on flush valve
- For children or small people
- Fully glazed trapway
- 1½" inlet spud

Floor Mount, 10" Rough-in • LESS Toilet Seat & Caps

COLOR	STOCK NO	EACH
10¼" Rim Height Round Front Bowl		
White LESS EverClean	AS2282001020	203.76

Commercial Wall Mount Toilets

Afwall Millennium FloWise Elongated Toilet



Flushometer Valve
- 1.28 or 1.6 GPF depending on flush valve
- 2⅛" fully glazed trapway
- 1½" top inlet spud
- When top seat installed 17" to 19" from finished floor

Wall-mounted, back-outlet • LESS toilet seat & caps

COLOR	STOCK NO	EACH
White LESS EverClean	AS2257101020	116.84
White with EverClean. . .	AS3351101020	149.85
Slotted rim for bedpan holding • LESS bolt caps		
White with EverClean. . .	AS3352101020	172.73

Afwall FloWise Retrofit Elongated Toilet



Replaces wallhung 3.5 GPF or 1.6 GPF models and roughs-in at 16⅛" rim height to meet ADA with no need to modify the existing carrier or through wall supply

Flushometer Valve
- 1.28 or 1.6 GPF depending on flush valve
- 2⅛" fully glazed trapway
- 1½" top inlet spud When top seat installed 17" to 19" from finished floor

Wall-Mounted, Back-Outlet
LESS Toilet Seat, Wall Carrier & Bolt Caps

COLOR	STOCK NO	EACH
White with EverClean	AS2294011EC020	415.45

(21)

Afwall Carrier Caps



⅝" Cap 4 Nut Kit Chrome.
For use with select wall hung toilets.

STOCK NO	EACH
AS73812852000070A	88.67

Glenwall VorMax Elongated Toilet



VorMax® Flushing System
- CleanCurve™ rim
- Dual injection flush valves
- 2¹⁄₁₆" fully glazed trapway
- Chrome trip lever
- When top seat installed 17" to 19" from finished floor

Wall-Mounted, Back-Outlet
LESS Toilet Seat & Wall Carrier

COLOR	STOCK NO	EACH
Elongated Bowl		
White with EverClean. . .	AS3447101020	287.55
1.28 GPF Tank • Combination 2882107		
White	AS4385A107020	317.93

American Standard Lavatories (17)

americanstandard-us.com

Drop In Sinks

Aqualyn® Drop In Sink



- 20⅜" x 17⅜"
- Self-rimming
- Tapered edges
- Front overflow

Bowl size 16" wide x 10" front to back x 5⅝" deep

COLOR	MODEL	STOCK NO	EACH
Center Hole ONLY			
White	*0475.047*	*AS0475047020*	*73.83*
4" Centers			
White	*0476.028*	*AS0476028020*	*77.06*
Linen	*0476.028*	*AS0476028222*	*145.80*
8" Centers			
White	*0475.020*	*AS0475020020*	*73.82*

Rondalyn™ Countertop Sink



- 19⅛" diameter
- Self-rimming
- Tapered edges
- Front overflow

Bowl size 15" wide x 12⅛" front to back x 5¾" deep

COLOR	MODEL	STOCK NO	EACH
4" Centers			
White	*0491.019*	*AS0491019020*	*73.82*
Bone	*0491.019*	*AS0491019021*	*145.80*
Linen	*0491.019*	*AS0491019222*	*145.80*

Studio Suite Drop In Sink



- 21¼" x 17¾"
- Self-rimming
- Front overflow

Bowl size 18" wide x 12" front to back x 4½" deep

COLOR	MODEL	STOCK NO	EACH
Center Hole ONLY			
White	*0643.001*	*AS0643001020*	*269.82*

American Standard

Undercounter Sinks

Ovalyn™ Undercounter Sink



- Supplied Mounting kit
- Front overflow
- Unglazed rim

Bowl size 17" wide x 14" front to back x 5½" deep

COLOR	MODEL	STOCK NO	EACH
White	*0496.221*	*AS0496221020*	*69.26*
Bone	*0496.221*	*AS0496221021*	*163.01*
Linen	*0496.221*	*AS0496221222*	*163.01*
Bowl size 19" wide x 15⅜" front to back x 5½" deep			
White	*0497.221*	*AS0497221020*	*74.93*

Studio Suite Undercounter Sink



- 19¾" x 13¾"
- Supplied Mounting kit
- Front overflow
- Unglazed rim

Bowl size 18" wide x 12" front to back x 6⁷⁄₁₆" deep

COLOR	MODEL	STOCK NO	EACH
White	*0614.000*	*AS0614000020*	*228.00*

Pedestal Sinks

Edgemere® Pedestal Sink



- 25" x 19½"
- 35⅝" height with pedestal
- Supplied Mounting kit
- Rear overflow

Bowl size 14" wide x 11¾" front to back x 6½" deep

COLOR	MODEL	STOCK NO	EACH
4" Centers			
White	*0445.004*	*AS0445004020*	*176.32*
Pedestal Only			
White	*0039.000*	*AS0039000020*	*95.13*

Cadet Suite Pedestal Sink



- 24½" x 20"
- 35" height with pedestal
- Supplied Mounting kit
- Rear overflow

Bowl size 20" wide x 12" front to back x 6" deep

COLOR	MODEL	STOCK NO	EACH
4" Centers			
White	*0236.004*	*AS0236004020*	*179.62*
8" Centers			
White	*0236.008*	*AS0236008020*	*179.62*
Pedestal Only			
White	*7311.004*	*AS731100400020*	*67.03*
Bone	*7311.004*	*AS731100400021*	*126.56*
Linen	*7311.004*	*AS731100400222*	*126.56*

Commercial Wall Mount Sinks

ADA Compliant



Wheelchair Users Wall Mount Sink
- 20" x 27"
- Front overflow

Bowl size 14" wide x 14¾" front to back x 4¾" deep

COLOR	MODEL	STOCK NO	EACH
4" centers for concealed arm carrier			
White	*9141.001*	*AS9141011020*	*561.94*



Comrade™ Wall Mount Sink
- 20" x 18¼"
- Rear overflow
- Soap depression

Bowl size 15" wide x 10⅞" front to back x 6¼" deep

COLOR	MODEL	STOCK NO	EACH
4" Centers with Included Wall Hanger			
White	*0124.024*	*AS0124024020*	*124.54*
4" centers for concealed arm support			
White	*0124.131*	*AS0124131020*	*132.44*



Lucerne™ Wall Mount Sink
- 20½" x 18¼"
- Front overflow
- Self-draining deck

Bowl size 15" wide x 10" front to back x 6½" deep

COLOR	MODEL	STOCK NO	EACH
Single Hole with Included Wall Hanger			
White	*0356.421*	*AS0356421020*	*77.96*
4" Centers with Included Wall Hanger			
White	*0355.012*	*AS0355012020*	*77.96*
4" Centers for exposed bracket support			
White	*0355.041*	*AS0355041020*	*106.31*
8" Centers with Included Wall Hanger			
White	*0356.015*	*AS0356015020*	*77.96*



Decorum Wall Mount Sink
- 20" x 18¼"
- Rear overflow
- Everclean

Bowl size 13⁵⁄₁₆" wide x 12¹³⁄₁₆" x 5" deep

COLOR	MODEL	STOCK NO	EACH
Center hole only			
White	*924.001EC*	*AS9024001EC020*	*234.90*
4" centers			
White	*924.004EC*	*AS9024004EC020*	*234.90*

American Standard



Declyn™ Wall Mount Sink
- 18½" x 17"
- Rear overflow
- Soap depression

Bowl size 14¼" wide x 10¾" front to back x 6" deep

COLOR	MODEL	STOCK NO	EACH
4" centers with Included Wall Hanger			
White	*0321.026*	*AS0321026020*	*75.13*

Accessories



Wall Mounted Sink Hanger
Steel Bracket

STOCK NO	EACH
ASS9	*19.53*

Kitchen Sinks

Hillside Apron Front Single Bowl Sink



- 30" x 18" x 10"
- 3-1/2" center drain (1)
- Sink rack and strainer included
- Sink is finished on all four sides
- Smooth or transitional apron (Reversible)

Bowl size 28½" w. x 16½" front to back x 8½" deep

COLOR	STOCK NO	EACH
Canvas White	*ASD20102000415*	*1207.22*

Hillside Apron Front Double Bowl Sink



- 33" x 18" x 10"
- 3-1/2" center drains (2)
- Sink rack and strainer included
- Sink is finished on all four sides
- Smooth or transitional apron (Reversible)

Bowl sizes 15⅜" w. x 16½" front to back x 8½" d.

COLOR	STOCK NO	EACH
Canvas White	*ASD20103000415*	*1307.29*

DXV
AMERICAN STANDARD

Service Sinks

Lakewell™ Service Sink



- 22" x 18"
- Rim guard
- Enameled cast iron (inside only enameled)
- Supplied with wall hanger and rim guard

Bowl size 18½" w. x 14⅛" front to back x 10½" d.

DESCRIPTION	STOCK NO	EACH
2 hole drilled back	*AS7692008020*	*837.82*

Akron™ Service Sink



- 24" x 20½"
- Rim guard
- Enameled cast iron (inside only enameled)
- Supplied with wall hanger and rim guard

Bowl size 19⅞" w. x 16⅜" front to back x 10½" d.

DESCRIPTION	STOCK NO	EACH
Plain back	*AS7695000020*	*920.12*
2 hole drilled back	*AS7695008020*	*920.12*

Trap Standards



Threaded inside for Lakewell or Akron cast iron service sinks
P-Trap with strainer, Outlet to wall.

SIZE	STOCK NO	EACH
2"	*AS7798020*	*238.95*
3"	*AS7798030*	*238.95*

Florwell™ Corner Service Sink



- 22" x 18" x 13"
- Enameled cast iron
- 3" Outlet

COLOR	MODEL	STOCK NO	EACH
White	*7741.000*	*AS7741000020*	*1010.48*

Clinic Service Sink Floor Mount



- 29¼" x 20" x 18"
- 1½" Top Spud
- Flushing rim
- Includes bolt caps
- 6.5 GPF siphon jet flushing action

COLOR	MODEL	STOCK NO	EACH
White	*9504.999*	*AS9504999020*	*1000.96*

Clinic Service Sink Wall Mount



- 25¼" x 21⅛"
- 1½" Top Spud
- Flushing rim
- Blow-out operation

COLOR	MODEL	STOCK NO	EACH
White	*9512.999*	*AS9512999020*	*943.92*
10" Side Rim Guards (2)			
Stainless Steel		*AS7832512075*	*102.26*

American Standard Urinals (17)

americanstandard-us.com

Wall Mount Urinals



Trimbrook™ Wall Mount Urinal

1.0 GPF Siphon jet flush action

- 14" x 17½" x 26¾"
- Flushing rim
- ¾" top spud
- 2 wall hangers
- Extended sides for privacy
- Outlet connection threaded 2"inside (NPTF)
- Recommended working pressure – between 20 psi at valve when flushing and 80 psi static
- When top of rim installed 17" from finished floor

COLOR	MODEL	STOCK NO	EACH
White	6561.017	AS6561017020	351.45



Lynbrook® Wall Mount Urinal

1.0 GPF Blowout flush action

- 14" x 18½" x 28¾"
- Flushing rim
- 1¼" top spud
- 2 wall hangers
- Extended sides for privacy
- Outlet connection threaded 2"inside (NPTF)
- Recommended working pressure – between 20 psi at valve when flushing and 80 psi static
- When top of rim installed 17" from finished floor

COLOR	MODEL	STOCK NO	EACH
White	6601.012	AS6601012020	386.82

For Flush Valves see pages 352-353 & 355-358



Allbrook FloWise® Wall Mount Urinal

High efficiency .5 to 1.0 GPF
Siphon jet flush action

- 14⁵⁄₁₆" x 14⁵⁄₁₆" x 21½"
- Flushing rim
- ¾" top spud
- Wall hanger
- Outlet connection threaded 2"inside (NPTF)
- Recommended working pressure – between 20 psi at valve when flushing and 80 psi static
- When top of rim installed 17" from finished floor

COLOR	MODEL	STOCK NO	EACH
White	6550.001	AS6550001020	166.21



Maybrook® Wall Mount Urinal

High efficiency .125 to 1.0 GPF
Washout flush action

- 12¾" x 12¾" x 18"
- Flushing rim
- ¾" top spud
- 1½" tubing tailpiece
- Strainer included
- Wall hanger
- Extended sides for privacy
- Recommended working pressure – between 20 psi at valve when flushing and 80 psi static
- When top of rim installed 17" from finished floor

COLOR	MODEL	STOCK NO	EACH
White	6581.001	AS6581001020	190.96



Washbrook FloWise® Wall Mount Urinal

High efficiency .125 to 1.0 GPF
Washout flush action

- 14⅛" x 18⅞" x 26⅛"
- Elongated 14" rim
- ¾" top spud
- Strainer included
- 2 wall hangers
- Extended sides for privacy
- Outlet connection threaded 2"inside (NPTF)
- Recommended working pressure – between 20 psi at valve when flushing and 80 psi static
- When top of rim installed 17" from finished floor

COLOR	MODEL	STOCK NO	EACH
White	6590.001	AS6590001020	247.46

Floor Mount Urinal



Stallbrook™ Floor Mount Urinal

.5 to 1.0 GPF
Washout flush action

- 15" x 18" x 38¼"
- Sloping front stall urinal
- ¾" top spud
- Integral flush spreader
- Drian NOT included
- Recommended working pressure – between 20 psi at valve when flushing and 80 psi static

Electronic flush valve required to meet ADA

COLOR	MODEL	STOCK NO	EACH
White	6400.001	AS6400001020	637.31

(18)

Brass Beehive Urinal Strainer

Chrome plated

SIZE	STOCK NO	EACH
2"	DBW9109	210.22

(18)



Brass Urinal Flange

Flange ONLY

SIZE	STOCK NO	EACH
2"	BKT112	141.67

10" Rough-ins

Maxwell® Round Toilet



Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Round Front Bowl, 14½"		
White	*GEMX21952WH*	*123.46*
1.6 GPF Tank • Combination MX-20-900		
White	*GEMX28995WH*	*104.63*

Maxwell® Elongated Toilet



Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Elongated Front Bowl, 14½"		
White	*GEMX21962WH*	*152.75*
1.6 GPF Tank • Combination MX-20-910		
White	*GEMX28995WH*	*104.63*

Maxwell® Elongated ErgoHeight™ Toilet



Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 16½" ErgoHeight		
White	*GEMX21928WH*	*202.97*
1.6 GPF Tank • Combination MX-20-917		
White	*GEMX28995WH*	*104.63*

Wall Mount

Maxwell® Elongated Wall Mount Toilet



Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

4" Wall Mount Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Elongated Wall Mount Front Bowl		
White	*GE21970WH*	*548.24*
1.28 GPF Tank • Combination 20-021		
White	*GE28970WH*	*154.85*

12" Rough-ins

Maxwell® Round Toilet



Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Round Front Bowl, 14½"		
White	*GEMX21952WH*	*123.46*
1.6 GPF Tank • Combination MX-20-902		
White	*GEMX28990WH*	*73.24*
1.28 GPF Tank • Right hand trip lever		
White	*GE28990WHR*	*73.24*

Maxwell® Elongated Toilet



Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Elongated Front Bowl, 14½"		
White	*GEMX21962WH*	*152.75*
Biscuit	*GEMX21962BI*	*168.40*
1.6 GPF Tank • Combination MX-20-912		
White	*GEMX28990WH*	*73.24*
1.28 GPF Tank • Right hand trip lever		
White	*GE28990WHR*	*73.24*

Maxwell® Elongated ErgoHeight™ Toilet



Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 16½" ErgoHeight		
White	*GEMX21928WH*	*202.97*
Biscuit	*GEMX21928BI*	*289.02*
1.6 GPF Tank • Combination MX-20-918		
White	*GEMX28990WH*	*73.24*
1.28 GPF Tank • Combination WS-20-918		
White	*GE28990WH*	*73.24*
1.28 GPF Tank • Right hand trip lever		
White	*GE28990WHR*	*73.24*

(21)

Replacement Flapper

For 1.6 GPF Maxwell GEM299X Tanks

SIZE	STOCK NO	EACH
3" Diameter	*GEGA700895*	*13.75*

14" Rough-ins

Maxwell® Round Toilet



Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

14" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Round Front Bowl, 14½"		
White	*GEMX21952WH*	*123.46*
1.6 GPF Tank • Combination MX-20-904		
White	*GEMX28994WH*	*104.63*

Maxwell® Elongated Toilet



Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

14" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Elongated Front Bowl, 14½"		
White	*GEMX21962WH*	*152.75*
1.6 GPF Tank • Combination MX-20-914		
White	*GEMX28994WH*	*104.63*

Maxwell® Elongated ErgoHeight™ Toilet



Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

14" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 16½" ErgoHeight		
White	*GEMX21928WH*	*202.97*
1.6 GPF Tank • Combination MX-20-924		
White	*GEMX28994WH*	*104.63*

Rear Rough-in

Maxwell® Compact Elongated Back Outlet Toilet



Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

4¼" Rear Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 16½" ErgoHeight		
White	*GE21975WH*	*518.94*
1.6 GPF Tank • Combination MX-21-022		
White	*GEMX28995WH*	*104.63*

Gerber Viper® Closets (17)

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10" Rough-ins

Viper® Round Toilet



Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Round Front Bowl, 15"		
White	*GEVP21552WH*	*163.22*
Biscuit	*GEVP21552BI*	*182.05*
1.28 GPF Tank • Combination GWS31500		
White	*GEWS38595WH*	*144.38*
Biscuit	*GEWS38595BI*	*166.68*

Viper® Elongated Toilet



Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Elongated Front Bowl, 15"		
White	*GEVP21562WH*	*198.79*
Biscuit	*GEVP21562BI*	*223.90*
1.28 GPF Tank • Combination GWS31510		
White	*GEWS38595WH*	*144.38*
Biscuit	*GEWS38595BI*	*166.68*

Viper® Elongated ErgoHeight™ Toilet



Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 17⅛" ErgoHeight™		
White	*GEVP31528WH*	*274.12*
Biscuit	*GEVP31528BI*	*335.25*
1.28 GPF Tank • Combination GWS31517		
White	*GEWS38595WH*	*144.38*
Biscuit	*GEWS38595BI*	*166.68*

12" Rough-ins

Viper® Round Toilet



Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Round Front Bowl, 15"		
White	*GEVP21552WH*	*163.22*
Biscuit	*GEVP21552BI*	*182.05*
Bone	*GEVP21552BO*	*182.05*
1.28 GPF Tank • Combination GWS31502		
White	*GEWS38590WH*	*96.26*
Biscuit	*GEWS38590BI*	*115.99*
Bone	*GEWS38590BO*	*115.99*
1.28 GPF Insulated Tank		
White	*GEWS38592WH*	*142.29*
Biscuit	*GEWS38592BI*	*164.21*
1.28 GPF Right-Hand Trip Lever Tank		
White	*GEWS38590WHR*	*96.26*
1.28 GPF Tank • Combination WS-21-502		
White	*GEWS28590WH*	*87.89*
1.6 GPF Tank • Combination GVP31512		
White	*GEVP38590WH*	*96.26*

Viper® Elongated Toilet



Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Elongated Front Bowl, 15"		
White	*GEVP21562WH*	*198.79*
Biscuit	*GEVP21562BI*	*223.90*
Bone	*GEVP21562BO*	*223.90*
1.28 GPF Tank • Combination GWS31512		
White	*GEWS38590WH*	*96.26*
Biscuit	*GEWS38590BI*	*115.99*
Bone	*GEWS38590BO*	*115.99*
1.28 GPF Insulated Tank		
White	*GEWS38592WH*	*142.29*
Biscuit	*GEWS38592BI*	*164.21*
1.28 GPF Right-Hand Trip Lever Tank		
White	*GEWS38590WHR*	*96.26*
1.28 GPF Tank • Combination WS-21-512		
White	*GEWS28590WH*	*87.89*
1.6 GPF Tank • Combination GVP31512		
White	*GEVP38590WH*	*96.26*

Viper® Elongated ErgoHeight™ Toilet



Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 16½" ErgoHeight		
Biscuit	*GEVP21528BI*	*347.36*
ADA Elongated Front Bowl, 17⅛" ErgoHeight™		
White	*GEVP31528WH*	*274.12*
Biscuit	*GEVP31528BI*	*335.25*
Bone	*GEVP31528BO*	*335.25*
1.28 GPF Tank • Combination GWS31518		
White	*GEWS38590WH*	*96.26*
Biscuit	*GEWS38590BI*	*115.99*
Bone	*GEWS38590BO*	*115.99*
1.28 GPF Insulated Tank		
White	*GEWS38592WH*	*142.29*
Biscuit	*GEWS38592BI*	*164.21*
1.28 GPF Right-Hand Trip Lever Tank		
White	*GEWS38590WHR*	*96.26*
1.28 GPF Tank • Combination WS-21-518		
White	*GEWS28590WH*	*87.89*
1.6 GPF Tank • Combination GVP31512		
White	*GEVP38590WH*	*96.26*

Viper® Compact Elongated ErgoHeight™ Toilet



Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 16⅜" ErgoHeight		
White	*GEHE21872WH*	*295.04*
1.28 GPF Tank • Combination HE-21-519		
White	*GEHE28570WH*	*102.53*

Replacement Trip Lever



COLOR	STOCK NO	EACH
Chrome, Left-hand	*GE99001*	*49.38*
White, Left-hand	*GE99001WH*	*46.56*
White, Right-hand	*GE99001RHWH*	*49.38*

Gerber Viper® 14" Rough-ins

Viper® Round Toilet



Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

14" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Round Front Bowl, 15"		
White	*GEVP21552WH*	*163.22*
1.28 GPF Tank • Combination GWS31524		
White	*GEWS38594WH*	*144.38*

Viper® Elongated Toilet



Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

14" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Elongated Front Bowl, 15"		
White	*GEVP21562WH*	*198.79*
1.28 GPF Tank • Combination GWS31524		
White	*GEWS38594WH*	*144.38*

Viper® Elongated ErgoHeight™ Toilet



Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

14" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 17⅛" ErgoHeight™		
White	*GEVP31528WH*	*274.12*
1.28 GPF Tank • Combination GWS31524		
White	*GEWS38594WH*	*144.38*

Gerber Avalanche® Closets (17)

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10" Rough-ins

Avalanche® Elongated Toilet



Extra-Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Elongated Front Bowl, 15½"-16"		
White	*GEAV21862WH*	*251.10*
1.28 GPF Tank • Combination WS-21-810		
White	*GEWS28895WH*	*173.68*

Avalanche® Elongated ErgoHeight™ Toilet



Extra-Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 16½" ErgoHeight		
White	*GEAV21828WH*	*313.88*
1.28 GPF Tank • Combination WS-21-817		
White	*GEWS28895WH*	*173.68*

Universal Tank Levers



- Attaches to all Flush Valve Styles & Sizes
- Designed to Fit all Gerber Gravity Single Flush Toilets and Most Other Gravity Single Flush Models on the Market
- Fits all Flapper Chains Links & Bead Styles
- Optimized to be Used with Both 2" and 3" Toilet Flappers
- Reinforced Elbow for Improved Strength

COLOR	STOCK NO	EACH
Chrome	*GEGA70036054*	*45.50*
Brushed Nickel	*GEGA70036054BN*	*48.67*
Satin Black	*GEGA70036054BS*	*50.79*

Replacement Flapper



For 1.28gpf 3" Flush Valves

STOCK NO	EACH
GE99788	*14.11*

12" Rough-ins

Avalanche® Round ErgoHeight™ Toilet



Extra-Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Round Front Bowl, 17⅛" ErgoHeight™		
White	*GEAV31852WH*	*236.45*
1.28 GPF Tank • Combination GWS31802		
White	*GEWS38890WH*	*140.20*
1.28 GPF Right-Hand Trip Lever Tank		
White	*GEWS38890WHR*	*140.20*
1.6 GPF Tank • Combination GAV31802		
White	*GEAV38890WH*	*140.20*

Avalanche® Elongated Toilet



Extra-Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Elongated Front Bowl, 15½"-16"		
White	*GEAV21862WH*	*251.10*
1.28 GPF Tank • Combination GWS31812		
White	*GEWS38890WH*	*140.20*
1.28 GPF Right-Hand Trip Lever Tank		
White	*GEWS38890WHR*	*140.20*
1.6 GPF Tank • Combination AV-21-812		
White	*GEAV38890WH*	*140.20*

Avalanche® Elongated ErgoHeight™ Toilet



Extra-Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 16½" ErgoHeight		
White	*GEAV21828WH*	*313.88*
1.28 GPF Tank • Combination GWS31818		
White	*GEWS38890WH*	*140.20*
1.28 GPF Right-Hand Trip Lever Tank		
White	*GEWS38890WHR*	*140.20*
1.6 GPF Tank • Combination AV-21-818		
White	*GEAV38890WH*	*140.20*

Avalanche Elite™

Avalanche Elite™ Round ErgoHeight™ Toilet



PowerClean XL Dual fed siphon jet Flushing System
- 3" flush valve
- 2⅛" glazed trapway
- Color match trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Round Front Bowl, 17" ErgoHeight		
White	*GEAB21852WH*	*295.04*
1.6 GPF Tank • Combination AV-20-852		
White	*GEAL28890WH*	*152.75*
1.6 GPF Right-Hand Trip Lever Tank		
White	*GEAL28890WHR*	*152.75*

Avalanche Elite™ Elongated ErgoHeight™ Toilet



PowerClean XL Dual fed siphon jet Flushing System
- 3" flush valve
- 2⅛" glazed trapway
- Color match trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 17" ErgoHeight		
White	*GEAB21828WH*	*389.21*
1.6 GPF Tank • Combination AV-20-828		
White	*GEAL28890WH*	*152.75*
1.6 GPF Right-Hand Trip Lever Tank		
White	*GEAL28890WHR*	*152.75*

Avalanche Skirted Concealed Trapway

Avalanche® Elongated ErgoHeight™ Toilet



Large Dual fed siphon jet Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 17⅛" ErgoHeight™		
White	*GE21832WH*	*290.86*
1.28 GPF Tank • Combination G0020832		
White	*GE28830WH*	*244.82*

Ultra Flush® 10" Rough-ins

Ultra Flush® Round Toilet



Dual fed siphon jet
Pressurized Flushing System
- Sloan Flushmate Pressure Vessel Inside
- 2" glazed trapway
- Chrome trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Round Front Bowl, 14¼"		
White	*GEUF21342WH*	*236.45*
1.6 GPF Tank • Combination 20-300		
White	*GE28385WH*	*353.63*

Ultra Flush® Elongated Toilet



Dual fed siphon jet
Pressurized Flushing System
- Sloan Flushmate Pressure Vessel Inside
- 2" glazed trapway
- Chrome trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Elongated Front Bowl, 14¼"		
White	*GEUF21372WH*	*267.84*
1.6 GPF Tank • Combination 20-311		
White	*GE28385WH*	*353.63*

Ultra Flush® Elongated ErgoHeight™ Toilet



Dual fed siphon jet
Pressurized Flushing System
- Sloan Flushmate Pressure Vessel Inside
- 2" glazed trapway
- Chrome trip lever

10" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 17" ErgoHeight		
White	*GEUF21377WH*	*303.41*
1.6 GPF Tank • Combination 20-317		
White	*GE28385WH*	*353.63*

Ultra Flush® 12" Rough-ins

Ultra Flush® Round Toilet



Dual fed siphon jet
Pressurized Flushing System
- Sloan Flushmate Pressure Vessel Inside
- 2" glazed trapway
- Chrome trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Round Front Bowl, 14¼"		
White	*GEUF21342WH*	*236.45*
1.6 GPF Tank • Combination 20-302		
White	*GE28380WH*	*322.25*

Ultra Flush® Elongated Toilet



Dual fed siphon jet
Pressurized Flushing System
- Sloan Flushmate Pressure Vessel Inside
- 2" glazed trapway
- Chrome trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
Elongated Front Bowl, 14¼"		
White	*GEUF21372WH*	*267.84*
1.6 GPF Tank • Combination 20-312		
White	*GE28380WH*	*322.25*

Ultra Flush® Elongated ErgoHeight™ Toilet



Dual fed siphon jet
Pressurized Flushing System
- Sloan Flushmate Pressure Vessel Inside
- 2" glazed trapway
- Chrome trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 17" ErgoHeight		
White	*GEUF21377WH*	*303.41*
1.6 GPF Tank • Combination 20-318		
White	*GE28380WH*	*322.25*

Ultra Flush® Tank ONLY with Right Hand Trip Lever



12" Rough-ins ONLY • White

GPF	STOCK NO	EACH
1.6 GPF	*GE28380WHR*	*322.25*

Logan Square™

Logan Square™ Elongat ErgoHeight™ Toilet



Dual fed siphon jet
Flushing System
- 3" flush valve
- 2" glazed trapway
- Color match trip lever

12" Rough-in • LESS Toilet Seat

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 16⅝" ErgoHeight		
White	*GEHE21538WH*	*426.87*
Biscuit	*GEHE21538BI*	*471.87*
1.28 GPF Tank • Combination HE-20-018		
White	*GEHE28530WH*	*318.06*
Biscuit	*GEHE28530BI*	*358.86*

Burr Ridge™

Burr Ridge™ Elongated ErgoHeight™ Toilet



"PowerClean"
Flushing System
- 3" flush valve
- 2" glazed trapway
- Chrome metal match trip lever

12" Rough-in • Toilet Seat included

COLOR	STOCK NO	EACH
ADA Elongated Front Bowl, 16⅝" ErgoHeight		
1.28 GPF Tank • 21-187-CT		
White	*GE21187CT*	*635.28*

Gerber Urinals and Lavatories (17)

gerber-us.com

Wall Mount Urinals



Layfayette™ Wall Mount Urinal

0.5/1.0 GPF Washout flush action

- 14" x 18½" x 23⅜"
- Elongated rim
- ¾" top spud
- Integral strainer
- Outlet connection threaded 2"inside (NPTF)
- When top of rim installed 17" from finished floor

COLOR	MODEL	STOCK NO	EACH
White	GHE27740	GEHE27740WH	184.14



Monitor™ Wall Mount Urinal

0.125 - 1.0 GPF Washout

- 14⅜" x 19¼" x 27"
- Integral flush spreader
- Extended Shields
- 1" x ¾" top spud
- Dual wall hangers
- 2" outlet spud NPT connection supplied
- When top of rim installed 17" from finished floor

Flushometer & strainer sold separately

COLOR	MODEL	STOCK NO	EACH
White	GHE27780	GEHE27780WH	399.67



Hamilton™ Wall Mount Urinal

0.125 gpf, 0.5 gpf, and 1.0 gpf when used with the appropriate flush valve

- 14⅛" x 17½" x 26½"
- Extended shields
- ¾" top spud
- Dual Wall Hanger G0099290 Included
- Integral flush spreader
- 2" Outlet spud NPT G0099160 Included
- When top of rim installed 17" from finished floor

Flushometer & Strainer sold separately

COLOR	MODEL	STOCK NO	EACH
White	GHE27770	GEHE27770WH	405.95

For Flush Valves see page 354-360

Wall Mount Sinks



West Point™ Wall Mount Sink

- 14⅛" x 12"
- Front overflow
- 2 integral self-draining soap dishes

4" Centers • Bowl size 11⅜" x 7⅛"

COLOR	MODEL	STOCK NO	EACH
White	12-354	GE12354WH	96.26



Plymouth™ Wall Mount Sink

- 19" x 17"
- Rear overflow
- 2 integral self-draining soap dishes
- From 31" to 34" when used with offset drain

4" Centers • Bowl size 15" x 10¾"

COLOR	MODEL	STOCK NO	EACH
White	12-314	GE12314WH	100.44



Monticello II™ Wall Mount Sink

- 20" x 18"
- Back Splash
- Rear overflow
- 2 integral self-draining soap dishes
- From 31" to 34" when used with offset drain

4" Centers • Bowl size 15" x 10"

COLOR	MODEL	STOCK NO	EACH
White	12-654	GE12654WH	136.01

Undercounter Sinks



Logan Square™ Undercounter Sink

- 20½" x 17³⁄₁₆"
- Front overflow

Bowl size 18⅛" x 14¾"

COLOR	MODEL	STOCK NO	EACH
White	12-760	GE12760WH	186.65
Biscuit	12-760	GE12760BI	288.77

Drop In Sinks



Maxwell® Oval Drop-In Sink

- 21" x 17⅞"
- Self-rimming
- Front overflow

4" Centers • Bowl size 16" x 10⅞"

COLOR	MODEL	STOCK NO	EACH
White	12-384	GE12834WH	58.59
Biscuit	12-384	GE12834BI	80.61



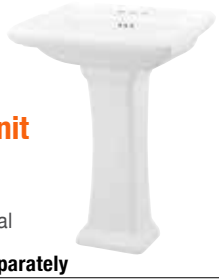
Logan Square™ Drop-In Sink

- 23⅝" x 18⅛"
- Self-rimming
- Front overflow

4" Centers • Bowl size 17¼" x 9⅞"

COLOR	MODEL	STOCK NO	EACH
White	12-875	GE12875WH	280.40

Pedestal Sinks



22-585/22-589 Logan Square™ Sink & Pedestal Unit

- 25½" x 20½"
- Large deck space
- Rear overflow
- 35" height with pedestal

Bowl size 20⅞" x 10⅞"

Required Pedestal sold separately

COLOR	MODEL	STOCK NO	EACH
White 4" Centers	12-585	GE12585WH	680.06
White 8" Centers	12-589	GE12589WH	680.06
White Pedestal	29-847	GE29847WH	137.07



Maxwell® Sink & Pedestal Unit

- 25½" x 20½"
- Back Splash
- Front overflow
- 34" height with pedestal

4" Centers • Required Pedestal sold separately

COLOR	MODEL	STOCK NO	EACH
White Lavatory	12-514	GE12514WH	165.31
White Pedestal	29-842	GE29842	64.87

Sloan Bowls, Urinals and Lavs (17)

sloanvalve.com

Elongated Floor Mount Universal Water Closet



1.1-1.6 GPF Siphon Jet Flushing Action
- 26¾" x 14" x 15"
- 1½" IPS Top spud
- 2⅛" fully glazed trapway

10" or 12" Rough-in • Toilet Seat not included.

COLOR	STOCK NO	EACH
White	SL2102009	116.10

Elongated Floor Mount Universal Water Closet



1.1-1.6 GPF Siphon Jet Flushing Action
- 26¾" x 14" x 17"
- 1½" IPS Top spud
- 2⅛" fully glazed trapway

10" or 12" Rough-in • Toilet Seat not included.

COLOR	STOCK NO	EACH
White	SL2102029	139.71

Elongated Wall Mount Universal Water Closet



1.1-1.6 GPF Siphon Jet Flushing Action
- 26¾" x 15"
- 1½" IPS Top spud
- 2⅛" fully glazed trapway
- When top of rim installed 17" from finished floor

Toilet Seat not included.

COLOR	STOCK NO	EACH
White	SL2102459	116.10

SLOAN

Urinal & Royal Flushometer Combo



0.125 GPF Washdown flush action
- 14¼" x 17¼" x 25½"
- ¾" IPS top spud
- Integral flushing rim
- 2" NPT outlet flange
- Vandal resistant strainer
- Mounting hardware included
- When top of rim installed 17" from finished floor

Exposed manual Royal 186 Flushometer included.

COLOR	STOCK NO	EACH
White	SL10001001	626.75

When top of rim installed 17" from finished floor

Standard Washdown Urinal



- 14¼" x 17¼" x 25½"
- ¾" IPS top spud
- Integral flushing rim
- 2" NPT outlet flange
- Vandal resistant strainer
- Mounting hardware included

0.125-0.5 GPF Washdown flush action

COLOR	STOCK NO	EACH
White	SL1101009	242.03

Wall Mount Sink with Backsplash



- 18¼" x 20¾" x 12¼"
- Front overflow
- 4" Backsplash
- Mounting hardware incl

4" Centers • Less Carrier

COLOR	STOCK NO	EACH
White	SL3873003	74.77

Drop-In Sink



- 17" x 20" x 8"
- Front overflow
- Self-rimming

4" Centers

COLOR	STOCK NO	EACH
White	SL3873002	84.61

Niagara Bowls (17)

niagaracorp.com

The Original™ .8 GPF Elongated Toilet



- 18¾" x 31 x 28⅞"
- Quiet, powerful flush delivered with a patented Stealth flush chamber and air transfer system.
- Fluidmaster fill valve.
- No flapper to cause leakage.
- 2" fully glazed trapway.
- Chrome Side Handle.

0.8 GPF • 12" Rough-in • Toilet Seat not included.

DESCRIPTION	STOCK NO	EACH
Tank White	N7714TFHWH	148.57
Bowl White	N7717WH	227.41

NIAGARA

Saniflo (18)

saniflo.com

Saniflo offers several models for different applications and requirements for either gray or black water. Gray water is wastewater from sinks, showers, washing machines, HVAC appliances. Black water is wastewater typically from toilets.



Round Bowl



Elongated Bowl

Saniflo Water Closets

- Vitreous bowl with integral p-trap, 1.28 GPF
- Rear-outlet bowl with 16-¾" height
- Insulated tank supplied with fill and flush valves
- Equipped with all mounting hardware
- Large 3" trapway with 4½" x 3¾" water spot
- IAPMO Listed / EPA Watersense labeled
- 1 year limited warranty

White in color with soft-close seat included

DESCRIPTION	STOCK NO	EACH
Round Bowl	*SANIBOWLROWH*	*256.03*
Elongated ADA Bowl	*SANIBOWLELWH*	*303.76*
Insulated Tank	*SANITANKWH*	*198.53*



Saniaccess3 option

- Connects to Saniflo water closet tank
- ¾" or 1" discharge outlet with non-return valve
- 1½" vent connection
- Two 2" inlets with check valves for additional wastewater from sink, bath/shower or urinal
- 2 easy access service panels

½" HP Motor, 120V-60Hz / 4.5 Amps, 51" Power Cord

DESCRIPTION	STOCK NO	EACH
Macerator Pump	*SANIACCESS3*	*1270.98*
Extension Pipe	*SANIEXTPIPE*	*76.95*



Sanibest Pro option

- Connects to Saniflo water closet tank
- ¾" or 1" discharge outlet with non-return valve
- 1½" vent connection
- Two 2" inlets with check valves for additional wastewater from sink, bath/shower or urinal
- Easy access service panel

1" HP Motor, 120V-60Hz / 9 Amps, 49" Power Cord

DESCRIPTION	STOCK NO	EACH
Grinder Pump	*SANIBESTPRO*	*1467.41*
Extension Pipe	*SANIEXTPIPE*	*76.95*

Toto Urinals and Lavs (17)

totousa.com

Wall Mount Urinals

UT104EX Wall Mount Urinal



0.5 GPF Washout flush action

- 24" x 13¾" x 15⅛"
- ¾" IPS top spud
- Concealed integral trap
- 2" IPS outlet
- When top of rim installed 17" from finished floor

EcoPower® Flush Valve not included.

COLOR	STOCK NO	EACH
White	*UT104EWH*	*207.41*

UT445UX Wall Mount Urinal



0.125 Washout flush action

- 29" x 18" x 16"
- ¾" IPS top spud
- Concealed integral trap
- 2" IPS outlet
- Low profile dome strainer
- When top of rim installed 17" from finished floor

EcoPower® Flush Valve not included.

COLOR	STOCK NO	EACH
White	*UT445UWH*	*280.50*

UT447EX Wall Mount Urinal



0.5 Washout flush action

- 29⅞" x 18¾" x 16⅛"
- ¾" IPS top spud
- Concealed integral trap
- 2" IPS outlet
- When top of rim installed 17" from finished floor

EcoPower® Flush Valve not included.

COLOR	STOCK NO	EACH
White	*UT447EWH*	*275.32*

For Toto Flush Valves see page 355

Wall Mount Sinks

LT307.4 Wall Mount Sink



- 20⅞" x 18" x 11⅛"
- Anti-splash rim
- Includes wall hanger
- Punching for concealed arm carrier

4" Centers

COLOR	STOCK NO	EACH
White	*LT3074WH*	*144.67*

Supreme® Wall Mount Sink



LT2418GWH



HT242WH

- 22⅞" x 19⅝"
- Rear overflow
- CEFIONTECT® ceramic glaze
- Includes wall hanger

8" Centers • Faucet not included

COLOR	STOCK NO	EACH
White	*LT2418GWH*	*252.60*

Shroud Only.

COLOR	STOCK NO	EACH
White	*HT242WH*	*81.19*

Undercounter Sink

Atherton™ Undercounter Sink



- 19⅜" x 15½"
- 1¼" waste
- Front overflow

Required for marble or granite type counter top

COLOR	STOCK NO	EACH
White	*LT233WH*	*195.20*

TOTO®

Perfection by Design

Toto Bowls and Closets (17)

totousa.com



CT725CUF Elongated Floor Mount ADA Toilet

1.0-1.6 GPF Siphon Jet Flushing Action

- 25¼"L x 14⅜"W x 17½"H
- 1½" IPS Top spud
- 1⅞" clear glazed trapway

10" or 12" Rough-in • Toilet Seat not included.

COLOR	STOCK NO	EACH
White	CT725CUFWH	229.22



CT725CU Elongated Floor Mount Toilet

1.0-1.6 GPF Siphon Jet Flushing Action

- 25¼"L x 14⅜"W x 15"H
- 1½" IPS Top spud
- 1⅞" clear glazed trapway

10" or 12" Rough-in • Toilet Seat not included.

COLOR	STOCK NO	EACH
White	CT725CUWH	187.37

When top of rim installed 17" from finished floor



CT728CU Elongated Wall Mount Toilet

1.0-1.6 GPF Siphon Jet Flushing Action

- 24⅞"L x 15¾"W x 12¾"H
- 1½" IPS Top spud
- 2⅛" clear glazed trapway

Mounting hardware & Toilet Seat not included.

COLOR	STOCK NO	EACH
White	CT728CUWH	255.88

(21)

Universal Flapper with Chain

STOCK NO	EACH
THU500S	21.87

(21)

Trip Lever

COLOR	STOCK NO	EACH
Chrome	THU068CP	49.21

(21)

Universal Fill Valve Assembly

STOCK NO	EACH
TSU99AX	48.11

For Toto Flush Valves see page 355

TOTO®

Perfection by Design



With ADA Bowl

Eco Drake Floor Mount Toilet

1.28 GPF E-Max® flushing system

- Transitional style tank
- 2⅛" glazed trapway
- Chrome trip lever

12" Rough-in • LESS Mounting hardware & Seat

DESCRIPTION	STOCK NO	EACH
Elongated ADA Bowl	C744ELWH	492.08
Elongated Bowl	C744EWH	398.93
Round Bowl	C743EWH	378.68
Tank/Cover	ST743EWH	330.10



With ADA Bowl

Drake® Floor Mount Toilet

1.28 or 1.6 GPF per tank selection

- TORNADO FLUSH® System
- CEFIONTECT® ceramic glaze
- Chrome trip lever

12" Rough-in • LESS Mounting hardware & Seat

DESCRIPTION	STOCK NO	EACH
Compatible with SW3084WH Washlet Seat		
Elongated ADA Bowl	C776CEFGWH	191.92
Elongated Bowl	C776CEGWH	179.23
Round Bowl	C775CEFGWH	177.97
1.28 GPF Tank/Cover	ST776EAWH	130.64
1.6 GPF Tank/Cover	ST776SAWH	132.12
NOT Compatible with SW3084WH Washlet Seat		
Elongated ADA Bowl	C776CEFGT40WH	191.92
Elongated Bowl	C776CEGT40WH	188.64



Entrada Floor Mount Toilet

1.28 GPF E-Max® flushing system

- 2⅛" glazed trapway
- Chrome trip lever
- Both bowls are 17¼" height

12" Rough-in • LESS Mounting hardware & Seat

DESCRIPTION	STOCK NO	EACH
Elongated ADA Bowl	C244EFWH	135.24
Round Universal Bowl	C243EFWH	118.52
Tank (left-hand trip lever)	ST243EWH	123.42
Tank (right-hand trip lever)	ST243ERWH	144.34

Toilet Seats



(18)

Softclose® Toilet Seat

Closed front toilet seat and cover with Softclose hinge system with mounting hardware.

DESCRIPTION	COLOR	STOCK NO	EACH
Elongated	White	SS11401	78.54
Round	White	SS113WH	65.29



(18)

Commercial Toilet Seat

Open front toilet seat with mounting hardware.

DESCRIPTION	COLOR	STOCK NO	EACH
Elongated	White	SC534WH	43.31



Washlet® C5 Toilet Seats

Includes:

- Wireless remote with illuminated touchpad
- Dual action Spray
- Adjustable water temerature & volume
- Warm air drying with variable settings
- Auto air deodorizer
- Heated seat with temperature control
- Water Premist™ cleans bowl before each use

DESCRIPTION	COLOR	STOCK NO	EACH
Elongated	White	SW3084WH	625.91



Softclose® Toilet Seat

Closed front toilet seat and cover with Softclose hinge system with mounting hardware.

DESCRIPTION	COLOR	STOCK NO	EACH
Elongated	Cotton	SS124WH	78.54

Residential Closet Seats (18)

bemismfg.com

American Standard Toilet Seats

americanstandard-us.com



Champion Slow-Close

- Slow-close hinge for user convenience
- Remove without tools for easy cleaning
- EverClean® Antimicrobial Surface
- Seat includes mounting hardware

COLOR	STOCK NO	EACH
For Round Bowl		
White	AS5320B65CT020	71.10
Linen	AS5320B65CT222	95.13
Bone	AS5320B65CT021	95.13
For Elongated Bowl		
White	AS5321A65CT020	84.48



Cardiff Slow-Close

- Bottom mount seat made from solid polypropylene plastic
- Slow-close hinge for user convenience
- Seat includes mounting hardware with Quick Connect Nut
- Includes EverClean® surface which inhibits the growth of stain and odor causing bacteria, mold, and mildew on the surface.

For Elongated Bowl

COLOR	STOCK NO	EACH
White	AS5257A65MT020	75.94

American Standard

Solid Plastic



Model 200E4/1200E4

- STA-TITE® seat fastening system
- Easy•Clean & Change®
- Whisper•Close® slowly closes

COLOR	STOCK NO	EACH
For Round Bowl		
White	200E4WH	58.89
Linen	200E4LI	67.95
Bone	200E4BO	67.95
For Elongated Bowl		
White	1200E4WH	64.33
Linen	1200E4LI	74.90
Bone	1200E4BO	74.90



Model 800EC

- Easy•Clean & Change®

COLOR	STOCK NO	EACH
For Round Bowl		
White	800ECWH	26.40
Linen	800ECLI	26.40
Bone	800ECBO	31.70



Model 70/170

- TopTite® Hinge
- Hex-Tite® Bolts

COLOR	STOCK NO	EACH
For Round Bowl		
White	70WH	19.69
For Elongated Bowl		
White	170WH	24.34



Model 730EC/7300EC

- Easy•Clean & Change®

COLOR	STOCK NO	EACH
For Round Bowl		
White	730ECWH	29.11
For Elongated Bowl		
White	7300ECWH	38.87

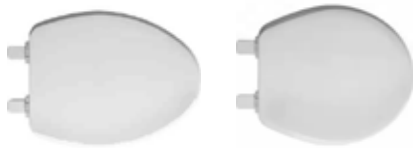
Enameled Wood Toilet Seats



Nextstep2

- Built-In Potty Seat secures magnetically
- Fits both adults and children
- Plastic child seat
- STA-TITE® Seat Fastening System
- Easy•Clean & Change
- Whisper•Close® slowly closes

COLOR	STOCK NO	EACH
For Round Bowl		
White	888SLOWWH	63.42
For Elongated Bowl		
White	1888SLOWWH	69.76



Model 600E4/1600E4

- STA-TITE® Seat Fastening System™
- Easy•Clean & Change®
- Whisper•Close® slowly closes
- Precision Seat Fit™ adjustable ½" front-to-back

COLOR	STOCK NO	EACH
For Round Bowl		
White	600E4WH	54.69
For Elongated Bowl		
White	1600E4WH	59.12



Model 500EC/1500EC

- Easy•Clean & Change®

COLOR	STOCK NO	EACH
For Round Bowl		
White	500ECWH	22.66
Linen	500ECLI	22.66
Bone	500ECBO	22.66
For Elongated Bowl		
White	1500ECWH	29.50
Linen	1500ECLI	29.50
Bone	1500ECBO	29.50



Model 1500TTT

- STA-TITE® Seat Fastening System™
- Precision Seat Fit™ adjustable ⅜" front-to-back

COLOR	STOCK NO	EACH
For Elongated Bowl		
White	1500TTTWH	29.50

Open Front with Cover



Model 950
- TopTite® Hinge
- Hex-Tite® Bolts

For Round Bowl • Heavy-duty plastic

COLOR	STOCK NO	EACH
White	950WH	66.13



Model 1250TTA
- TopTite® Hinge
- Hex-Tite® Bolts

For Elongated Bowl • Heavy-duty plastic

COLOR	STOCK NO	EACH
White	1250TTWH	75.39

Baby Bowl Seat



Model BB955CT Baby/Toddler Seat
- DuraGuard® Antimicrobial
- STA-TITE® Seat Fastening System™
- Non-corroding stainless steel posts and pintles

For Round Bowl • Heavy-duty plastic

COLOR	STOCK NO	EACH
White	BB955CTWH	76.57

BEMIS®

Open Front Less Cover



Model 955SSCT
- STA-TITE® Seat Fastening System™
- Self-sustaining check hinges
- Non-corroding stainless steel posts and pintles

For Round Bowl • Heavy-duty plastic

COLOR	STOCK NO	EACH
White	955SSCTWH	42.08
Black	955SSCTBL	42.08



Model 1955SSCT
- STA-TITE® Seat Fastening System™
- Self-sustaining check hinges
- Non-corroding stainless steel posts and pintles

For Elongated Bowl • Heavy-duty plastic

COLOR	STOCK NO	EACH
White	1955SSCTWH	39.80
Black	1955SSCTBL	39.80



Model 1655SSCT
- STA-TITE® Seat Fastening System™
- Self-sustaining check hinges
- Non-corroding stainless steel posts and pintles

For Elongated Bowl • Extra Heavy-duty plastic

COLOR	STOCK NO	EACH
White	1655SSCTWH	61.85
Black	1655SSCTBL	61.85

Elkay Celebrity Stainless Steel Sinks (18a)

elkay.com

Single Bowl Drop-in Sinks

CR1721



- 17" x 21" x 7"
- Single Compartment
- 14" x 15¾" x 6¾" Bowl Size
- 20 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELCR17213	415.42

CR2522



- 25" x 22" x 7"
- Single Compartment
- 21" x 15¾" x 6¾" Bowl Size
- 20 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
4-Hole	ELCR25224	432.07

PSR1918



- 19" x 18" x 7⅛"
- Single Compartment
- 16" x 11½" x 7" Bowl Size
- 20 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
2-Hole	ELPSR19182	557.33
3-Hole	ELPSR19183	557.33

PSR2219



- 22" x 19½" x 7⅛"
- Single Compartment
- 18" x 14" x 7" Bowl Size
- 20 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELPSR22193	618.38

PSR2522



- 25" x 22" x 7½"
- Single Compartment
- 21" x 15¾" x 7⅛" Bowl Size
- 20 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELPSR25223	667.52
4-Hole	ELPSR25224	667.52

Double Bowl Drop-in Sinks

CR3322



- 33" x 22" x 7"
- Equal Double Compartments
- 14" x 15¾" x 6¾" Bowl Sizes
- 20 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELCR33223	609.66
4-Hole	ELCR33224	609.66

PSR3319



- 33" x 19½" x 7⅛"
- Equal Double Compartments
- 14" x 14" x 7" Bowl Sizes
- 20 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELPSR33193	951.35

PSR3321



- 33" x 21¼" x 7½"
- Equal Double Compartments
- 13½" x 16" x 7⅜" Bowl Sizes
- 20 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
4-Hole	ELPSR33214	970.37

PSR3322



- 33" x 22" x 7½"
- Equal Double Compartments
- 13½" x 16" x 7⅛" Bowl Sizes
- 20 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELPSR33223	970.37
4-Hole	ELPSR33224	970.37

Elkay Sink Clips



- 14 Speed Clips
- 14 Self Rim Screws

STOCK NO	EACH
64090014	37.89

Bar Drop-in Sinks

BCR150C Bar Sink



- 15" x 15" x 6⅛"
- Single Compartment
- 12" x 10" x 6" Bowl Size
- 20 Gauge Stainless Steel Sink
- ADA Compliant

Includes LKA2475LF Faucet & LK58 Drain

FAUCET HOLES	STOCK NO	EACH
2-Hole	ELBCRA150C	524.83

BPSR15 Bar Sink



- 15" x 15" x 6⅛"
- Single Compartment
- 12" x 9¼" x 6" Bowl Size
- 20 Gauge Stainless Steel Sink
- ADA Compliant

FAUCET HOLES	STOCK NO	EACH
1-Hole	ELBPSR151	443.16
2-Hole	ELBPSR152	443.16

Wall Mount Sink

CHSB1716C Handwash Sink Kit



- 16¾" x 15½" x 13"
- Single Compartment
- 12" x 9¼" x 6" Bowl Size
- 7" High Backsplash
- Type 304 Stainless Steel Sink

Includes LKB400 Faucet, LKB8 Drain & Wall Hanger

FAUCET HOLES	STOCK NO	EACH
2-Hole	ELCHSB1716C	739.94

Elkay Lustertone Stainless Steel Sinks (18a)

elkay.com

Single Bowl Drop-in Sinks



LR1517
- 15" x 17½" x 7⅝"
- Single Compartment
- 12" x 12" x 7½" Bowl Size
- 18 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELLR15173	809.43



LR1722
- 17" x 22" x 7⅝"
- Single Compartment
- 13½" x 16" x 7½" Bowl Size
- 18 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELLR17223	837.97



LR1918
- 19" x 18" x 7⅝"
- Single Compartment
- 16" x 11½" x 7½" Bowl Size
- 18 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELLR19183	841.14



LR2522
- 25" x 22" x 8⅛"
- Single Compartment
- 21" x 15¾" x 7¾" Bowl Size
- 18 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
4-Hole	ELLR25224	952.92



DLR172210
- 17" x 22" x 10⅛"
- Single Compartment
- 13½" x 16" x 10" Bowl Size
- 18 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELDLR1722103	1025.07



DLR191910
- 19½" x 19" x 10⅛"
- Single Compartment
- 16" x 13½" x 10" Bowl Size
- 18 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELDLR1919103	1069.47



DLR252210
- 25" x 15¾" x 10⅜"
- Single Compartment
- 21" x 15¾" x 10" Bowl Size
- 18 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELDLR2522103	1209.01



DLR252212
- 25" x 22" x 12⅛"
- Single Compartment
- 21" x 15¾" x 12" Bowl Size
- 18 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELDLR2522123	1331.88

Bar Drop-in Sink



BLR151 Bar Sink
- 15" x 15" x 7⅛"
- Single Compartment
- 12" x 9¼" x 7" Bowl Size
- 18 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
1-Hole	ELBLR151	773.77

Double Bowl Drop-in Sinks



LR2918
- 29" x 18" x 7⅝"
- Equal Double Compartments
- 12" x 12" x 7½" Bowl Sizes
- 18 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
4-Hole	ELLR29184	1368.35



LR3322
- 33" x 22" x 8⅛"
- Equal Double Compartments
- 13½" x 16" x 7¾" Bowl Sizes
- 18 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELLR33223	1422.27
4-Hole	ELLR33224	1422.27

Undermount Sinks



ELUH3118
- 30¾" x 18½" x 7⅞"
- Equal Double Compartments
- 13½" x 16" x 7⅞" Bowl Sizes
- 18 Gauge Stainless Steel Sink

STOCK NO	EACH
ELELUH3118	1056.00



ELUH3120R
- 31¼" x 20½" x 9⅞"
- Offset Compartments
- 14" x 18" x 9⅞" Bowl One Size
- 13½" x 16" x 7⅞" Bowl Two Size
- 18 Gauge Stainless Steel Sink

STOCK NO	EACH
ELELUH3120R	1229.61



ELUH3120L
- 31¼" x 20½" x 9⅞"
- Offset Compartments
- 13½" x 16" x 7⅞" Bowl One Size
- 14" x 18" x 9⅞" Bowl Two Size
- 18 Gauge Stainless Steel Sink

STOCK NO	EACH
ELELUH3120L	1229.61



ELUH1316
- 16" x 18½" x 7⅞"
- Single Compartment
- 13½" x 16" x 7⅞" Bowl Size
- 18 Gauge Stainless Steel Sink

STOCK NO	EACH
ELELUH1316	586.67

Elkay Dayton Stainless Steel Sinks (18a)

elkay.com

Double Bowl Drop-in Sinks

GE23321



- 33" x 21¼" x 5⅜"
- Equal Double Compartments
- 14" x 15¾" x 5¼" Bowl Sizes
- 22 Gauge Stainless Steel Sink
- ADA Compliant

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELGE233213	267.96

D23321



- 33" x 21¼" x 6⁹⁄₁₆"
- Equal Double Compartments
- 14" x 15¾" x 6⅜" Bowl Sizes
- 22 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELD233213	148.77
4-Hole	ELD233214	148.77

D23322



- 33" x 22" x 6⁹⁄₁₆"
- Equal Double Compartments
- 14" x 15¾" x 6⅜" Bowl Sizes
- 22 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELD233223	148.77
4-Hole	ELD233224	148.77

D23319



- 33" x 19" x 6⁷⁄₁₆"
- Equal Double Compartments
- 14" x 14" x 6⁵⁄₁₆" Bowl Sizes
- 22 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
4-Hole	ELD233194	189.88

DD23322



- 33" x 22" x 7¹⁄₁₆"
- Equal Double Compartments
- 14" x 15¾" x 6⅞" Bowl Sizes
- 22 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
4-Hole	ELDD233224	252.90

DSE23321



- 33" x 21¼" x 8¹⁄₁₆"
- Equal Double Compartments
- 14" x 15¾" x 7⅞" Bowl Sizes
- 20 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
4-Hole	ELDSE233214	227.07

DSE23322



- 33" x 22" x 8¹⁄₁₆"
- Equal Double Compartments
- 14" x 15¾" x 7⅞" Bowl Sizes
- 20 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
1-Hole	ELDSE233221	227.07
3-Hole	ELDSE233223	227.07
4-Hole	ELDSE233224	227.07

Bar Drop-in Sinks

D11719 Bar Sinks



- 17" x 19" x 6⅜"
- Single Compartment
- 14" x 14" x 6" Bowl Size
- 22 Gauge Stainless Steel Sink
- ADA Compliant

FAUCET HOLES	STOCK NO	EACH
2-Hole	ELD117192	152.69
3-Hole	ELD117193	152.69

Undermount Sinks

DXUH1618 Bar Sink



- 16½" x 18¼" x 8"
- Single Compartment
- 14" x 15¾" x 8" Bowl Size
- 18 Gauge Stainless Steel Sink

STOCK NO	EACH
ELDXUH1618	270.14

DXUH3118



- 31¾" x 18¼" x 8"
- Equal Double Compartments
- 14" x 15¾" x 8" Bowl Sizea
- 18 Gauge Stainless Steel Sink

STOCK NO	EACH
ELDXUH3118	393.46

Single Bowl Drop-in Sinks

GE12521R3/L3



- 25" x 21¼" x 5⅜"
- Single Compartment
- 21" x 15¾" x 5¼" Bowl Size
- 22 Gauge Stainless Steel Sink
- ADA Compliant

FAUCET HOLES	DRAIN LOCATION	STOCK NO	EACH
3-Hole	Right	ELGE12521R3	230.70
3-Hole	Left	ELGE12521L3	208.51

D12521



- 25" x 21¼" x 6⁹⁄₁₆"
- Single Compartment
- 21" x 15¾" x 6⅜" Bowl Size
- 22 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELD125213	127.24

D12522



- 25" x 22" x 6⁹⁄₁₆"
- Single Compartment
- 21" x 15¾" x 6⅜" Bowl Size
- 22 Gauge Stainless Steel Sink

FAUCET HOLES	STOCK NO	EACH
3-Hole	ELD125223	127.24
4-Hole	ELD125224	127.24

In-Sink-Erator Disposals (18)

insinkerator.com

Badger I



- Lift and Latch™ technology.
- 1/3 Horsepower Dura-Drive® Induction Motor
- Galvanized Steel Construction
- 1-year We Come to You® In-Home Service Warranty
- Assembled in USA
- Quick Lock® Sink Mount allows for easy installation and disposal replacement

STOCK NO	EACH
INBA	*170.30*
with 3' 120v power cord	
INBAW	*177.24*

Badger 5



- Lift and Latch™ technology.
- 1/2 Horsepower Dura-Drive® Induction Motor
- Galvanized Steel Construction
- 3-Year We Come To You® In-Home Full Service Limited Warranty Covers parts and labor
- Quick Lock® Sink Mount allows for easy installation and disposer replacement

STOCK NO	EACH
INBAV	*197.78*
with 3' 120v power cord	
INBAVW	*204.73*

Badger 5XP



- Lift & Latch™ technology.
- 3/4 Horsepower Dura-Drive® Induction Motor
- Stainless Steel Grind Components
- 4-Year We Come To You® In-Home Full Service Limited Warranty Covers parts and labor
- Quick Lock® Sink Mount allows for easy installation and disposer replacement

with 3' 120v power cord

STOCK NO	EACH
INBAVXPW	*268.37*

PRO 750™



- 3/4 HP long-lasting, Dura-Drive® induction motor
- 10-Year We Come to You™ Limited In Home Warranty
- Quiet SoundSeal Technology® delivers quiet disposal operation
- Advanced Grind for tough and fibrous food scraps
- 3-Stage MultiGrind® Technology: Finest Grind Designed to Prevent Clogs
- EZ Connect
- Removable, Diswasher Safe, Antimicrobial Quiet Collar® Sink Baffle
- Safe for properly maintained septic tanks

with 3' 120v power cord

STOCK NO	EACH
PRO750W	*410.90*

We Come To You™ In Home Warranty

All InSinkErator models provide in-home limited warranties. That means We Come to You whenever your InSinkErator garbage disposal or hot water dispenser needs service within the warranty period.

Evolution Pro 880LT



- MultiGrind™ 2 stages
- SoundSeal™ Technology
- 8 Year parts and labor in-home service warranty
- Auto Reverse Grind System™
- 7/8 HP DuraDrive® induction motor
- Stainless Steel Grind Components

with 3' 120v power cord

STOCK NO	EACH
PRO880LTW	*458.66*

Evolution Pro 1000LP



- MultiGrind™ Technology
- SoundSeal™ Technology
- Auto Reverse Grind System™
- 1 HP Single Phase Motor
- 10 year In-Home Limited Warranty
- Stainless Steel Grind Components

with 3' 120v power cord

STOCK NO	EACH
PRO1000LPW	*640.19*

Contractor 333



- 3/4 HP long-lasting, Dura-Drive® Induction motor
- 7-Year We Come to You™ Limited In Home Warranty
- Reduced Sound featuring a reduced noise level over a standard disposal.
- Power Grind for tough food scraps.
- 2-Stage MultiGrind® Technology: Finer grind designed to prevent clogs
- EZ Connect
- Advanced Grind for tough & fibrous food scraps
- Removable, Diswasher Safe Antimicrobial Baffle
- Safe for properly maintained septic tanks.

with 3' 120v power cord

STOCK NO	EACH
INCNTR333W	*319.57*

Contractor 1000



- 1 HP long-lasting, Dura-Drive® Induction motor
- 8-Year We Come to You® Limited In Home Warranty
- Reduced Sound featuring a reduced noise level over a standard disposal
- Power Grind for tough food scraps
- 2-Stage MultiGrind® Technology: Finest grind designed to prevent clogs
- EZ Connect
- Removable, Diswasher Safe Antimicrobial Baffle
- Safe for properly maintained septic tanks

with 3' 120v power cord

STOCK NO	EACH
INCNTR1000W	*365.77*

NEW ITEM

InSinkErator BOOST™



- DIY Friendly Installation
- Compatible with ALL InSinkErator® disposals
- Attaches directly into disposal dishwasher inlet
- Includes 1 bottle of Septic Guard Solution
- Dispenses Septic Guard every 12 hours
- Includes Power Cord or powered by 4x AA Batteries (not included)

STOCK NO	EACH
ISE80051BIS	*136.65*
Septic Guard Solution Refill Bottle	
ISE80052SGR	*38.34*

PRO Cover Control



- 3/4 HP Long-Lasting, Dura-Drive® Induction Motor
- 10-Year We Come to You™ Limited In Home Warranty
- Quiet SoundSeal Technology®
- 3-Stage MultiGrind® Technology: Designed to Prevent Clogs
- EZ Connect
- Removable, Diswasher Safe, Antimicrobial Quiet Collar® Sink Baffle
- Safe for properly maintained septic tanks

with 3' 120v power cord

STOCK NO	EACH
PROCCPLUSW	*529.61*

Septic Assist™



- MultiGrind™
- SoundSeal™
- 8 Year parts and labor in-home service warranty
- Bio-Charge® Injection Technology
- 3/4 HP DuraDrive® induction motor
- Stainless Steel Grind Components

STOCK NO	EACH
PROSEPTIC	*449.95*

Septic Assist™ Replacement Cartridge

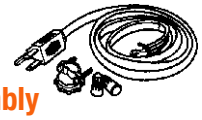


- Bio-Charge Enzyme: Treatment to break down food and other household waste
- Citriscent to help control odors

For use with PROSEPTIC ONLY, NOT compatible with InSinkErator BOOST

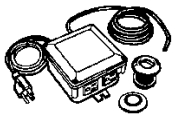
STOCK NO	EACH
INSEPREF	*24.77*

Accessories (21)



Power Cord Assembly

STOCK NO	EACH
INCRD00	*23.17*



SinkTop Switch

STOCK NO	EACH
INSTS00	*180.58*



SinkTop Switch Button

FOR STS SinkTop Switch

FINISH	STOCK NO	PRICE
Satin Nickel	*INSTCSN*	*38.34*
Oil Rubbed Bronze	*INSTCORB*	*38.34*
Matte Black	*INSTCMTBLK*	*38.34*



JamBuster® Wrenchette

STOCK NO	EACH
INWRN00	*12.26*

Stoppers, Baffles, Mounting Gaskets, and Sink Flanges (21)



Plastic Stopper

STOCK NO	EACH
INSTPPL	12.26



Stainless Steel Stopper

STOCK NO	EACH
INSTPSS	23.71



Removable Sound Baffle

STOCK NO	EACH
INRSB00	12.80



Quiet Collar Sink Baffle

STOCK NO	EACH
INQCBAM	18.00



Mounting Gaskets

FOR Badgers, 444 & Pro333

STOCK NO	EACH
INSMG00	16.02

FOR 555SS, 777SS, Pro77, & Older Pro Series Models

STOCK NO	EACH
INDMG00	17.24



Sink Flanges

FINISH	STOCK NO	PRICE
Stainless Steel	INFLGSS	33.94
White	INWHFL	55.89



(18)
Mountain Plumbing

3½" Deluxe Stemball Kitchen Sink Strainer

FINISH	STOCK NO	PRICE
PVD Oil Rub Bronze	MT300PVDORB	170.70



(18)
Mountain Plumbing

Stopper & Strainer Unit
Waste Disposer Trim

FINISH	STOCK NO	PRICE
Br. Stainless	MT200EVBRS	68.70
Oil Rubbed Brz	MT200EVORB	112.20
PVD Oil Rub Bronze	MT200EVPVDORB	176.82



#5 Sink Flange Kit

No welding disposer mount
for standard 3-1/2" - 4" sink openings.

STOCK NO	EACH
IN12506	723.87



Mounting Gasket

STOCK NO	EACH
IN11016	87.75

Hot Water Dispensers

Instant Hot Water Dispenser Systems

- Mounts on sink, 1¼" Hole
- Includes 2/3-gallon hot water tank
- Easy to adjust temperature control
- Tool-free tank connections and dry start protection to ease installation
- Provides 60 cups/hr of near-boiling water
- We Come To You® 3-Year in-home limited warranty
- 115 volts, 750 watts, 6.5 amps



HC-View-SS

Dispenses near-boiling 200°F and cool drinking water

FINISH	STOCK NO	PRICE
Chrome	INHCVIEWCSS	809.57
Satin Nickel	INHCVIEWSNSS	905.96



HC-Wave-SS

Dispenses near-boiling 200°F and cool drinking water

FINISH	STOCK NO	PRICE
Chrome	INHCWAVECSS	809.57
Satin Nickel	INHCWAVESNSS	905.96



H-Classic-SS

Hot Only

Dispenses near-boiling 200°F water

FINISH	STOCK NO	PRICE
Chrome	INHCLCSS	559.41

Hot Water Dispenser Faucet



Indulge Contemporary Instant Hot Water Dispenser

- Durable all brass construction
- Automatic shut-off of hot water
- 5-Year We Come To You® in-home warranty

Tank Sold SEPARATELY

FINISH	STOCK NO	PRICE
Oil Rubbed Brz	INFHC1100RB	877.64

Hot Water Dispenser Water Filtration



Model HWT-F1000S

- Includes hot water tank, head bracket, F-1000 replacement filter, 2 polyethylene tubes, quick-connect fitting, 2 mounting screws, & ¼" compression fittings
- Stainless-steel construction (UL Certified)
- Easy-to-adjust temperature control 160-210 °F
- Compact 2/3-gallon holding capacity
- Up to 60 cups/hour of hot, filtered water
- 115 volts, 750 watts, 6.25 amps
- We Come To You® 3-Year In-Home Limited Warranty on tank; 1-Year on filtration system
- F-1000 filter reduces particulates, chlorine taste and odor (NSF 42 Certified)
- Recommended 6 months filter replacement

STOCK NO	EACH
INHWTF1000S	619.87

Foodservice Disposers



SS-100 Small Capacity

- Corrosion Resistant Stainless Steel
- Cast Nickel Chrome Alloy Shredders
- 1 HP Motor, 1725 RPM's
- Triple lip seal protects motor

STOCK NO	EACH
115/208-230V, 60 Hz, 1 Phase cULus	
INSS10028	2892.44
208-230/460V, 60 Hz, 3 Phase cULus	
INSS10047	2892.44



SS-200 Medium Capacity

- Corrosion Resistant Stainless Steel
- Cast Nickel Chrome Alloy Shredders
- 2 HP Motor, 1725 RPM's
- Triple lip seal protects motor

STOCK NO	EACH
115/208-230V, 60 Hz, 1 Phase cULus	
INSS20027	4307.62
208-230/460V, 60 Hz, 3 Phase cULus	
INSS20035	4307.62

Laundry Tubs



Model 17
- 16" x 23" x 23½"
- DURASTONE® Fiberglass
- Built-in angled scrub board
- 19 Gallon capacity, extra deep 13" tub
- Connects to standard 1½" P or S trap

4" or 8" centers for dual-handle faucets
Wall model includes mounting bracket

DESCRIPTION	STOCK NO	EACH
Wall hung	*MU17W*	*177.50*
Wall hung (4-pack)	*MU17WK*	*609.74*
Floor mount (34" height)	*MU17F*	*177.50*
Floor Mount (4-pack)	*MU17FK*	*609.74*



Model 26
- 14⅜" x 40" x 24"
- DURASTONE® Fiberglass
- 19 Gallon capacity, extra deep 13" tubs
- Double compartment with 1" recessed divider
- Connects to standard 1½" P or S trap

4" or 8" centers for single or dual-handle faucets
Wall model includes mounting bracket

DESCRIPTION	STOCK NO	EACH
Wall Hung	*MU26WM*	*362.14*
Floor mount (34" height)	*MU26FM*	*362.14*



Model 19
- 14⅜" x 20" x 24",
- Thermoplastic resins
- 18 Gallon capacity, extra deep 13" tub
- Connects to standard 1-1/2" P or S trap

4" center for dual-handle faucet
Wall model includes mounting bracket

DESCRIPTION	STOCK NO	EACH
Wall hung	*MU19W*	*164.97*
Floor mount (34" height)	*MU19F*	*164.97*



20.600 Faucet Block
Molded faucet block for overhead supplies.

STOCK NO	EACH
MU20600	*6.16*



Model 18
- 14⅜" x 20" x 24"
- DURASTONE® Fiberglass
- 18 Gallon capacity, extra deep 13" tub
- Connects to standard 1½" P or S trap

4" or 8" centers for single or dual-handle faucets
Wall model includes mounting bracket

DESCRIPTION	STOCK NO	EACH
Wall hung	*MU18WM*	*169.17*
Wall hung (4-pack)	*MU18WK*	*588.64*
Floor mount (34" height)	*MU18FM*	*169.17*



Model 10
- 22" x 25" x 13¾"
- Self-rimming Sink
- 1½" drain with stopper included
- 17 gallon capacity, extra deep bowl
- Connects to 1½" P or S trap

4" or 8" centers for single or dual-handle faucets

COLOR	STOCK NO	EACH
White	*MU10M*	*151.75*
Bone	*MU10BN*	*167.10*



Model 10C
- 22" x 25" x 13¾"
- Self-rimming Sink
- 3½" reinforced drain
- 17 gallon capacity, extra deep bowl
- Connects to 1½" P or S trap

4" or 8" centers for single or dual-handle faucets

COLOR	STOCK NO	EACH
White	*MU10C*	*147.15*



Model 11
- 20" x 17" x 10"
- Self-rimming Sink
- 3½" reinforced drain
- 8 gallon capacity, extra deep bowl
- Connects to 1½" P or S trap

4" or 8" centers for single or dual-handle faucets

COLOR	STOCK NO	EACH
White	*MU11*	*132.72*
Bone	*MU11BN*	*146.62*



Model 12
- 15" x 18" x 23½",
- Co-Polypure™ resins
- 15 Gallon capacity, extra deep 13" tub
- Connects to standard 1-1/2" P or S trap

4" center for dual-handle faucet
Wall model includes mounting bracket

DESCRIPTION	STOCK NO	EACH
Floor Mount (4-pack)	*MU12K*	*381.83*

Mop Basins (18)



Model 63M
- 24" x 24" x 10"
- DURASTONE® Fiberglass
- Removable strainer
- Available drain seals for connection to 2" pipe or 3" soil pipe

SIZE	STOCK NO	EACH
24x24"	*MU63MX*	*276.79*



63.401 Bumper Gaurds for 63M

STOCK NO	EACH
MU63401	*31.32*



67.2424 DURAGUARD™
- 20 gauge stainless steel wall guards
- Two 24" x 12" panels & bracket

STOCK NO	EACH
MU672424	*266.02*



Model 65M
- 24" x 36" x 10"
- DURASTONE® Fiberglass
- Available drain seals for connection to 2" pipe or 3" soil pipe
- Self-draining shelf & removable strainer

SIZE	STOCK NO	EACH
24x36"	*MU65MX*	*330.74*



65.403 Bumper Gaurds for 65M

STOCK NO	EACH
MU65403	*31.32*



67.2436 DURAGUARD™
- 20 gauge stainless steel wall guards
- Two 24" x 36" x 12" panels & bracket

STOCK NO	EACH
MU672436	*266.11*



67.600 Mop Hanger

STOCK NO	EACH
MU65600	*92.34*



67.700 Hose & Holder

STOCK NO	EACH
MU65700	*54.97*

Mop Service Basin Seals



65.308 - 2" Sch 40 DWV – ABE, PVC, or Cast Iron Drain Seal

STOCK NO	EACH
MU65308	*15.57*



65.311 - 3" Soil Pipe No-Hub Drain Seal

STOCK NO	EACH
MU65311	*15.57*

Miscellaneous Plumbing

Fiat Mop Basins (18)

fiatproducts.com



Model MSB2424

- 24" x 24" x 10"
- Square, Molded Stone™
- Stainless Steel drain to connect to a 3" drain pipe

SIZE	STOCK NO	EACH
24x24"	ASMSB2424	336.07



Model MSB3624

- 36" x 24" x 10"
- Square, Molded Stone™
- Includes quick drain connector, integral stainless steel drain assembly and strainer plate

SIZE	STOCK NO	EACH
36x24"	ASMSB3624	409.00



Model MSBID2424

- 24" x 24" x 10"
- Square, Molded Stone™
- Integral drain is molded into a one piece unit to connect to a 3" drain pipe.

SIZE	STOCK NO	EACH
24x24"	ASMSBID2424	269.93

Bumperguard

DESCRIPTION	SIZE	STOCK NO	EACH
Vinyl (2)	24"	ASE77AA24	39.80
Stainless Steel (1)	24"	ASE88AA24	57.81

Wall Guard

Stainless Steel.

SIZE	STOCK NO	EACH
24x24"	ASMSG2424	181.31

Mop Hanger

STOCK NO	EACH
AS889CC	61.16

Hose and Hose Bracket

STOCK NO	EACH
AS832AA	48.01

Neoprene Drain Gasket

STOCK NO	EACH
ASQDC3SN	28.53

Sioux Chief (18)

siouxchief.com



SquareMax™ Floor Sink Drain

- Sump area is 54% larger than most PVC square floor sinks
- Low profile design with anchor flange
- All inner surfaces are pitched
- Tough, impact resistant PVC construction

Does Not Include Strainer Top

SIZE	STOCK NO	EACH
2"	SC8612PX	77.85
3x4"	SC8613PX	77.85



PVC Full Strainer

with Lift Handle. No. 861-5

STOCK NO	EACH
SC8615	39.30



PVC Open ¼ Strainer

No. 861-53

STOCK NO	EACH
SC86153	34.94

Bubblers (18)



0360 Drinking Faucet

- Cast Brass Bubbler Head
- ½-14 NPS Male Thread
- Replaceable Cartridge
- Includes Flange

FINISH	STOCK NO	EACH
Polished Chrome	360BU	117.86



0360 Drinking Faucet

- Cast Brass Bubbler Head
- ⅜-18 NPS Female Thread
- Replaceable Cartridge
- Less Flange

FINISH	STOCK NO	EACH
Polished Chrome	362BU	95.82

Murdock Water Coolers



Vandal-Resistant Wall Mount Bottle Filling Station

Features a chiller rated at 8 gallon per hour. The cabinet shall be all-stainless steel. Fixture meets ADA, ADA Standing Person, and ADA Child requirements when mounted appropriately. The drink fountain features a round vandal-resistant push button for activation. Murdock's Maintenance Advantage design allows for easy maintenance and installation. Bottle Filler can be specified as sensor activated (plug-in or battery powered) or push button.

Cold Water Supply ⅜" IPS • Drain 1¼" IPS

PART	STOCK NO	EACH
All components make a complete unit:		
Base, flexible bubbler	MUA171408FUG	1152.23
Base, SS bubbler	MUA171408SUGVR	1253.48
Bottle filler Station	MUBF2S	982.13
Drop down door with filter	MUWF1EZ	202.50
Replacement filter	MURWF1	141.75



Vandal-Resistant Wall Mount Bi-Level Bottle Filling Station

Features chillers rated at 8 gallon (30.3 liters) per hour. The cabinet shall be stainless steel. Fixture meets ADA, ADA Standing Person, and ADA Child requirements when mounted appropriately. Murdock's Maintenance Advantage design allows for easy maintenance and installation. The each of the water coolers features a round vandal-resistant push button for activation. The unit is a univeral bi-level, allowing the lower ADA unit to be mounted on left or right side. Bottle Filler, typically mounted on the lower water cooler, can be specified as sensor activated (plug-in or battery powered) or push button.

Cold Water Supply ⅜" IPS • Drain 1¼" IPS

FINISH	STOCK NO	EACH
All components make a complete unit:		
Base, flexible bubbler	MUA172408FUG	1786.05
Bottle filler Station	MUBF2S	982.13
Drop down door with filter	MUWF1EZ	202.50
Replacement filter	MURWF1	141.75



EFA8L1Z Floor Mount Non-Filtered
- 18"L x 14½"W x 41½"H
- Freestanding, 115V/60Hz
- Flexi-Guard® Safety Bubbler
- Mechanical Top Bubbler Button
- 8.0 GPH of 50°F Drinking Water

Cold Water Supply ⅜" IPS • Drain 1¼" IPS

FINISH	STOCK NO	EACH
Light Gray Granite	*ELEFA8*	*2571.75*



EWA8L1Z Wall Mount Non-Filtered
- 18"L x 14½"W x 29½"H
- 115V/60Hz
- Flexi-Guard® Safety Bubbler
- Mechanical Top Bubbler Button
- 8.0 GPH of 50°F Drinking Water

Cold Water Supply ⅜" IPS • Drain 1¼" IPS

FINISH	STOCK NO	EACH
Light Gray Granite	*ELEWA8*	*2101.95*



EWA14L1Z Wall Mount Non-Filtered
- 18"L x 14½"W x 29½"H
- 115V/60Hz
- Flexi-Guard® Safety Bubbler
- Mechanical Top Bubbler Button
- 14.0 GPH of 50°F Drinking Water

Cold Water Supply ⅜" IPS • Drain 1¼" IPS

FINISH	STOCK NO	EACH
Light Gray Granite	*ELEWA14*	*2417.85*



(21)
Elkay Cooler Cartridge

STOCK NO	EACH
EL640100BBR	*45.06*



(21)
WaterSentry VII Replacement Filter
For Coolers + Fountains

STOCK NO	QTY.	EACH
EL51299C	*1*	*194.40*



EZS8L Wall Mount Non-Filtered
- 18⅜"L x 19"W x 19¹³⁄₁₆"H
- 115V/60Hz
- Flexi-Guard® Safety Bubbler
- Electronic Front Bubbler Pushbar
- 8.0 GPH of 50°F Drinking Water
- When bottom of unit installed 24"-27" from finished floor

Cold Water Supply ⅜" IPS • Drain 1¼" IPS

FINISH	STOCK NO	EACH
Light Gray Granite	*ELEZS8*	*1019.86*



EZSTL8LC Wall Mount Bi-Level Non-Filtered
- 115V/60Hz
- 36¾"L x 19"W x 25⁵⁄₁₆"H
- Flexi-Guard® Safety Bubbler
- Electronic Front Bubbler Pushbar
- 8.0 GPH of 50°F Drinking Water
- When bottom of unit installed 24"-27" from finished floor

Cold Water Supply ⅜" IPS • Drain 1¼" IPS

FINISH	STOCK NO	EACH
Light Gray Granite	*ELEZSTL8LC*	*1800.90*



(21)
Elkay Bubbler Kit
Bubbler Housing, Complete Orifice Assembly, Chrome Pedestal, Copper Tube

STOCK NO	EACH
EL92715C	*72.90*



EZH2O Wall Mount Bottle Filling Station
- 17⅞"L x 11⅞"W x 41¼"H
- 115V/60Hz
- Electronic Bottle Filler Sensor
- LED Filter Status Indicator
- Laminar flow, 50°F drinking water
- Silver Ion Antimicrobial protection
- Green Ticker™ Informs user of number of 20 oz. plastic water bottles saved from waste.

8 GPH • No Bubbler

FINISH	STOCK NO	EACH
Stainless Steel	*ELLZ8WSSSMC*	*3218.40*



LZWSR Wall Mount Bottle Filling Station
- 17⅞"L x 3⁹⁄₁₆"W x 18⅞"H
- 115V/60Hz
- Electronic Bottle Filler Sensor
- LED Filter Status Indicator
- Laminar flow, Non-refrigerated
- Silver Ion Antimicrobial protection
- Green Ticker™ Informs user of number of 20 oz. plastic water bottles saved from waste.

For 115V pushbar-activated EZ style water coolers

FINISH	STOCK NO	EACH
Stainless Steel	*ELLZWSRK*	*1654.43*



LZS8WSLK/LZS8WSSK Wall Mount Bottle Filling Station
- 18⅜"L x 19"W x 39¹⁄₁₆"H
- 115V/60Hz
- Flexi-Guard® Safety Bubbler
- Electronic Bottle Filler Sensor with Electronic Front And Side Bubbler Pushbar
- 8.0 GPH of 50°F Drinking Water
- LED Filter Status Indicator
- Laminar flow, Refrigerated
- Silver Ion Antimicrobial protection
- Green Ticker™ Informs user of number of 20 oz. plastic water bottles saved from waste.
- When bottom of unit installed 24"-27" from finished floor

Cold Water Supply ⅜" IPS • Drain 1¼" IPS

FINISH	STOCK NO	EACH
Light Gray Granite	*ELLZS8WSLK*	*2779.31*
Stainless Steel	*ELLZS8WSSK*	*2869.43*



LZSTL8WSLK Wall Mount Bi-Level Bottle Filling Station
- 36¾"L x 19"W x 39¹⁄₁₆"H
- 115V/60Hz
- Flexi-Guard® Safety Bubbler
- Electronic Bottle Filler Sensor with Electronic Front And Side Bubbler Pushbar
- 8.0 GPH of 50°F Drinking Water
- LED Filter Status Indicator
- Laminar flow, Refrigerated
- Silver Ion Antimicrobial protection
- Green Ticker™ Informs user of number of 20 oz. plastic water bottles saved from waste.
- When bottom of unit installed 24"-27" from finished floor

Cold Water Supply ⅜" IPS • Drain 1¼" IPS

FINISH	STOCK NO	EACH
Light Gray Granite	*ELLZSTL8WSLK*	*3875.85*



(18)
WaterSentry Plus Replacement Filter
For coolers with Bottle Fillers

STOCK NO	QTY.	EACH
EL51300C	*1*	*177.19*
EL51300C12PK	*12*	*1852.88*



(21)
Regulator
Regulator, Holder, Tube and Hardware for Pushbar-Activated Models

STOCK NO	EACH
EL98732C	*133.65*

Washing Machine Accessories (18)

Center Drain Outlet Boxes



Size 11⅝" x 9½" Rough opening 10" x 8¾" x 3½"
½" MIP/Sweat Conx. Valve • 2" Threaded Drain

FINISH	STOCK NO	EACH
Galvanized Steel	*B200*	*256.22*

Washing Machine Box with Tabs



Size 9¼" x 14" with tabs for 16" Stud Bay
½" MIP/Sweat Conx. Valve • 2" Slipnut Drain Kit

FINISH	STOCK NO	EACH
White Powder Coat	*T200*	*277.65*

Oatey Quadtro® Washing Machine Outlet Box



- Water Hammer Arrestors
- 4 - Side Brackets
- Faceplate
- Test Plug
- 2" PVC or ABS Sch. 40 Drain opening

FINISH	STOCK NO	EACH
1/4 Turn Brass Hammer Ball Valve – Copper Sweat		
White Polystyrene	*WMOBWHA*	*104.63*
1/4 Turn, ½" Viega PEX, Hammer		
White Polystyrene	*OA38331*	*125.43*

Oatey MODA™ Washing Machine Outlet Box



- Water Hammer Arrestors
- 2 - Side Brackets
- 2 - Faceplates
- 2 - Sticker Covers
- Test Plug
- Center Support & LocPin
- PVC or ABS Sch. 40 Drain opening

FINISH	STOCK NO	EACH
Brass 1/4 turn valves • WMOB, F1960 PEX		
White PVC	*OA37613*	*85.89*

(18D)

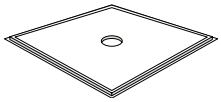
Viega PureFlow Washing Machine Outlet Box



With Two 1/4 turn brass valves • Press Connections

STOCK NO	EACH
STWAMABOWVA	*64.15*

Suds Sentry ABS Washing Machine Pans



3¾" Strainer Knockout (Less Strainer), 1" Height

SIZE	KNOCKOUTS	STOCK NO	EACH
27 7/16" x 31 3/8"	*1*	*27WAMAPA*	*107.40*
33 13/16" x 33 13/16"	*2*	*33WAMAPA*	*111.60*

Camco Washing Machine Pan

Polypropylene Plastic, Includes PVC drain fitting

SIZE	STOCK NO	EACH
30" x 32"	*CA20752*	*30.14*

Econo Center Drain Outlet Box



- Can be installed top-mount
- 2⅜" Center Drain
- Textured faceplate included

STOCK NO	EACH
Brass 1/4 turn valves, installed • ½" Sweat Conx.	
WMOBWVL	*72.97*
Brass Qtr Turn Valves, Installed • ½" CPVC Conx.	
IPS82066	*88.52*
Washer Box Only – No Valves	
112PVWMBO	*26.39*

DU-ALL™ Dual Drain Washing Machine Outlet Box



- Can be installed top-mount
- 2" Right and Left Drains with knockouts
- Textured faceplate included

STOCK NO	EACH
Brass 1/4 turn valves, Installed • ½" sweat conx	
DUALLBOX	*84.93*
Single Lever Valve Installed • ½" Sweat conx	
IPS85630	*136.53*

Fluidmaster Washing Machine Hose



¾" female x ¾" female x 72"

FINISH	STOCK NO	EACH
Braided Stainless Steel	*FL9WM72*	*20.37*

Rubber Washing Machine Hose



- Braided and reinforced
- ¾" female x ¾" female hose thread

STOCK NO	EACH
WAMAHO	*12.59*

Duo-Cloz™ Manual Washing Machine Shut-off Valve



Dual adapters for ½" solder or ½" compression

FINISH	STOCK NO	EACH
Brass Body	*WA2*	*223.25*

TimeOut Washing Machine Valve Kit



- Threaded inlet adapters
- Water hammer arrestors
- Wall outlet box

Automatic timer valve that can be preset to shut off

STOCK NO	EACH
2354RBBXWHA	*254.36*

NEW ITEM



IPS Washing Machine Pan

High Impact Plastic, Includes 1" PVC drain fitting

SIZE	STOCK NO	EACH
28" x 30" ID	*IPS83203*	*105.51*

Sioux Chief (18)

siouxchief.com

OxBox™ Washing Machine Outlet



No-lead valves. ABS supply box and frame, galvanized bracket, & debris cover.

STOCK NO	EACH
½" Female Sweat Connections	
SC696G2303MF	*52.81*
½" Female Sweat Connections WITH MiniResters	
SC696G2313MF	*82.96*
Viega PureFlow PEX Connections	
SC696G2303VF	*52.81*
Viega PureFlow PEX Connections WITH MiniResters	
SC696G2313VF	*82.96*
½"PEX Crimp F1807 Connections WITH MiniResters	
SC696G2313XF	*82.96*
½" Male CPVC Connections WITH MiniResters	
• Includes Plain Valve (NOT No-Lead)	
SC6962313CF	*79.96*
Fire-Rated ABS, No Lead	
½"PEX Crimp F1807 Connections WITH MiniResters	
SC696RG2313XF	*131.45*



SC6961F SC6961F

Ox Box Outlet Frames

DESCRIPTION	STOCK NO	EACH
Single	*SC6961F*	*2.52*
Double	*SC6962F*	*3.18*

Add-A-Line™



- Works with all CTS pipe types
- Perfect for adding humidifiers, dishwashers, ice makers or any new water line

Full slip valve tee.

SIZE	STOCK NO	EACH
7/8" x 1/4" OD Comp	*SC601G30CV*	*51.98*

Ice Maker Accessories (18)

Plastic Ice Maker Outlet Box



- Box 5 3/4" x 4 7/8" x 3 1/2"
- Frame 8 1/4" x 7 5/16"
- Snap-On Frame

Brass 1/4 turn valve, installed • 1/2" sweat conx

STOCK NO	EACH
ICMABO	73.72

Round Mini Ice Maker Box



- Round Trim Ring
- Brass 1/4 turn valve installed
- Can be mounted to left or right
- Pre-loaded Nails provide strong rigid mount

Mini IceMaker Outlet Box with solder valve

STOCK NO	EACH
MIICMABO	93.53

(18D)

Viega PureFlow Press Ice Maker Outlet Box



With One 1/4 turn brass valve • Press Connections

STOCK NO	EACH
STICMAOUBOWVA	43.39

Oatey MODA™ Ice Maker Outlet Box



- Water Hammer Arrestor
- 2 - Side Brackets
- Faceplate
- Sticker Cover
- Test Plug
- LocPin

FINISH	STOCK NO	EACH
Brass 1/4 turn valve • IMOB, F1960 PEX		
White PVC	OA37691	62.48

Ice Maker Supply



Braided Polymer • 1/4" Comp. x 1/4" Comp.

SIZE	STOCK NO	EACH
12"	B012IMF	17.75
72"	B072IM	34.44

Ice Maker Supply Kit



PEX Water Supply Kit with 1/4" Valve

STOCK NO	EACH
OA34015	33.29

Tub Box



- Depth 7" Each
- Top I.D. 13" x 13"
- Injection Molded
- High Impact Plastic
- Pipe Knockouts for 1 1/2" and 2" Pipe
- For tub trap & drain in slab foundation

Sold per piece, 2 required to make a complete box.

STOCK NO	EACH
TUBO	14.51

Access Panels



- Installs between wall studs or ceiling joists
- Flush or surface-mounted frame
- Used to allow access to plumbing, electrical wiring or other utility applications
- Constructed of high-impact ABS
- Door requires a screwdriver to open

SIZE	STOCK NO	EACH
8" x 8"	ACPA8	25.52
14" x 14"	ACPA14	32.82

Sioux Chief (18)

siouxchief.com

OxBox™ Ice Maker Outlet Box



No-lead valves. ABS supply box and frame, galvanized bracket, & debris cover.

STOCK NO	EACH
Viega PureFlow PEX Connections	
SC696G1000VF	40.54
Viega PureFlow PEX Connections WITH MiniResters	
SC696G1010VF	55.62
PEX Crimp F1807 Connections	
SC696G1000XF	40.54
PEX Crimp F1807 Connections WITH MiniResters	
SC696G1010XF	55.62
1/2" Male CPVC Connections	
SC696G1000CF	40.54
1/2" Female Sweat Connections WITH MiniResters	
SC696G1010MF	55.62

(02)

Ice Maker Valve



Quarter-Turn Angle Stop
1/2" PEX F1807 x 1/4" Compression

STOCK NO	EACH
SC130G2X0C	15.51



Edgemere Collection Tub and Shower

TU018502/TU018.501

- Includes One-Piece Cartridge
- Double Ceramic Pressure Balance Cartridge
- Ceramic Disc Mixing Valve
- Ceramic Balancing Spool
- Integrated Check Valves
- Adjustable Hot Limit Safety Stop
- Single function: 5¾" shower head
- Slip-on diverter tub spout
- Maximum flow rate of 2.5 gpm/9.5 L/min

LESS valve, sold separately:
For use with Flash Rough-in Valves

FINISH	STOCK NO	EACH
Tub & Shower		
Chrome	*ASTU018502002*	*260.74*
Legacy Bronze	*ASTU018502278*	*365.65*
Brushed Nickel	*ASTU018502295*	*354.66*
Shower Only		
Chrome	*ASTU018501002*	*235.76*
Legacy Bronze	*ASTU018501278*	*338.67*
Brushed Nickel	*ASTU018501295*	*326.69*



Reliant 3® Collection Tub and Shower

TU385502/TU385501

- Includes One-Piece Cartridge
- Ceramic Disc Mixing Valve
- Ceramic Balancing Spool
- Multi-function (4 Spray Settings) 4½" showerhead
- Slip-on diverter tub spout
- Pressure compensating flow device
- Flow Rate of 2.5 gpm/9.5 L/min

LESS valve, sold separately:
For use with Flash Rough-in Valves

FINISH	STOCK NO	EACH
Tub & Shower		
Chrome	*ASTU385502002*	*178.50*
Brushed Nickel	*ASTU385502295*	*239.76*
Shower Only		
Chrome	*ASTU385501002*	*142.97*
Brushed Nickel	*ASTU385501295*	*187.37*



Townsend Collection Tub and Shower

TU353502/TU353501

- Includes One-Piece Cartridge
- Double Ceramic Pressure Balance Cartridge
- Ceramic Disc Mixing Valve
- Ceramic Balancing Spool
- Integrated Check Valves
- Adjustable Hot Limit Safety Stop
- Single function: 6" shower head
- Slip-on diverter tub spout
- Maximum flow rate of 2.5 gpm/9.5 L/min

LESS valve, sold separately:
For use with Flash Rough-in Valves

FINISH	STOCK NO	EACH
Tub & Shower		
Chrome	*ASTU353502002*	*374.64*
Brushed Nickel	*ASTU353502295*	*512.50*
Shower Only		
Chrome	*ASTU353501002*	*313.70*
Brushed Nickel	*ASTU353501295*	*424.59*



Colony PRO Collection Tub and Shower

TU075508/TU075507

- Includes One-Piece Cartridge
- Ceramic Disc Mixing Valve
- Ceramic Balancing Spool
- Integrated Check Valves
- Single function 3¾" showerhead
- Slip-on diverter tub spout
- Wall escutcheon with Rd/Blue indicators
- Maximum flow rate of 1.75 gpm/6.6 L/min.

LESS valve, sold separately:
For use with Flash Rough-in Valves

FINISH	STOCK NO	EACH
Tub & Shower		
Chrome	*ASTU075508002*	*125.21*
Shower Only		
Chrome	*ASTU075507002*	*98.56*

American Standard



Pressure Balance In-Wall Valve Body

R121/R121SS/R127SS

- Volume control and hot limit safety stop
- Ceramic disc valve cartridge
- Direct ½" inlets/outlets
- Less handle and trim

Trim must be ordered separately

DESCRIPTION	SCREWDRIVER STOPS	STOCK NO	EACH
½" Sweat or ½" NPT	*No*	*ASR121*	*124.88*
½" Sweat or ½" NPT	*Yes*	*ASR121SS*	*151.85*


RU101


RU102


RU101SS


RU107SS


RU108


RU108SS

Flash™ Rough-in Valve Bodies

RU101/RU102/RU101SS/RU107SS

- Valve body features cast brass construction with a pre-installed test cap.
- Features back-to-back capability.
- ½" inlets and outlets.
- Stainless steel retaining ring with flats.
- Rough-in plaster guard designed as rough-in guide and for use as thin wall mounting support.

TU Series trim kits with cartridges must be ordered separately

DESCRIPTION	SCREWDRIVER STOPS	STOCK NO	EACH
½" Universal	*No*	*ASRU101*	*65.72*
½" Universal	*Yes*	*ASRU101SS*	*94.14*
½" Stub-out In/Out	*No*	*ASRU102*	*70.16*
½" PEX Crimp Inlets	*Yes*	*ASRU107SS*	*94.14*
½" PEX F1960 Cold Expansion Inlets	*No*	*ASRU108*	*65.72*
½" PEX F1960 Cold Expansion Inlets	*Yes*	*ASRU108SS*	*94.14*



Serin On/Off Volume Control Kit
T064.700
Requires separate R711 Volume Control Valve
Trim ONLY • LESS Rough-In

FINISH	STOCK NO	EACH
Brushed Nickel.	*AST064700295*	*115.99*



Extender Square Body Spray
1660.140
- Variable 3 function spray
- ½" NPT Male Connections, Flush Mount

FINISH	STOCK NO	EACH
Brushed Nickel.	*AS1660140295*	*272.73*



Standard Shower Arm
1660.240
Brass Construction, ½" NPT Thread

FINISH	STOCK NO	EACH
Brushed Nickel.	*AS1660240295*	*38.96*

DXV by American Standard
dxv.com



In-Wall Diverter Valve
Diverter can be installed with the inlet rotated in any position and all connections are ½"NPT

Water Flow Control

FOR	STOCK NO	EACH
2-Outlets	ASD35000420191	255.74
3-Outlets	ASD35000430191	289.71



Dual Control Lavatory Valve
Wall-Mount Valve ONLY

FOR	STOCK NO	EACH
Lavatory	ASD35000450191	402.61

Reserved



Reliant 3
7385.000
- All metal construction
- Ceramic disc valve cartridge
- Adjustable hot limit safety stop
- 1.2 gpm/4.5 L/min. Maximum flow
- 3/8" compression connections
- Metal Speed Connect™ pop-up drain
- Metal lever handle

FINISH	STOCK NO	EACH
Chrome	*AS7385000002*	*179.37*
Satin Nickel	*AS7385000295*	*251.32*
7385.004 LESS pop-up drain		
Chrome	*AS7385004002*	*161.62*



Pillar Tap Metering Faucet
1340.109 Extended Spout - 5 3/8"
- Ideal for public restrooms
- Vandal resistant
- Cast brass construction and aerator
- 1.0 gpm with automatic shut-off
- LESS Grid drain, mixing valve and deck plate

FINISH	STOCK NO	EACH
Chrome	*AS1340109002*	*165.83*

4" Deckplate for Metering Faucet see page 356



Townsend Single-Handle Faucet
7353.101
- Architecturally inspired tapered design
- Single hole mounting
- 1.2 gpm/4.5 L/min. maximum flow rate
- Stainless steel braided flexible supply hoses
- Pop-up drain
- Metal Speed Connect® drain
- Washerless 28 mm ceramic disc valve cartridge with integral hot limit safety stop

FINISH	STOCK NO	EACH
Chrome	*AS7353101002*	*332.68*
Satin Nickel	*AS7353101295*	*465.55*



Townsend High-Arc Widespread Faucet
7353.801
- Urban inspired design with a high-arc spout for increased functionality and convenience
- Cast brass valve bodies with flexible stainless steel hose connections
- 6" to 12" (152 mm to 305 mm) installations
- 1.2 gpm/4.5 L/min. maximum flow rate
- 1/4 turn washerless ceramic disc valve cartridges
- Metal Speed Connect® drain body

FINISH	STOCK NO	EACH
Chrome	*AS7353801002*	*454.56*
Satin Nickel	*AS7353801295*	*632.38*



Edgemere Centerset Faucet
7018.201
- Cast brass valve bodies with flexible stainless steel hose connections
- 3 hole mount, 4" centers
- 1.2 gpm/4.5 L/min. maximum flow rate
- 1/4 turn washerless ceramic disc valve cartridges
- Metal Speed Connect® drain body

FINISH	STOCK NO	EACH
Chrome	*AS7018201002*	*255.74*
Brushed Nickel	*AS7018201295*	*347.67*



Colony® Pro
7075.000
- 4" Centerset
- 24" Color-coded braided flexible supply hoses with 3/8" compression connections
- Washerless 35mm ceramic disc valve cartridge with integral hot limit safety stop
- 1.2 gpm/4.5 L/min. Maximum flow
- Metal body, lever handle & pop-up drain

FINISH	STOCK NO	EACH
Chrome	*AS7075000002*	*158.07*
7075.004 LESS pop-up drain		
Chrome	*AS7075004002*	*140.31*



Colony® Pro
7075.200
- 4" Centerset
- 1/4 turn washerless ceramic disc valve cartridges
- One-half inch male inlet shank
- Metal Body, Lever Handles & Pop-up Drain
- 1.2 gpm/4.5 L/min. Maximum flow

FINISH	STOCK NO	EACH
Chrome	*AS7075200002*	*131.42*

American Standard

Reserved



Colony Pro Collection

- Brass swivel spout 360° rotation
- ¼ turn washerless ceramic disc valve cartridges
- One-half inch male inlet shank
- Metal construction and lever handles
- 1.2 gpm/4.5 L/min. Maximum flow

7074.500 Less Spray (3-hole 8" installation)

FINISH	STOCK NO	EACH
Chrome	*AS7074500002*	*135.86*

7074.501 With Side Spray (4-hole 8" installation)

FINISH	STOCK NO	EACH
Chrome	*AS7074501002*	*163.39*

American Standard



Colony Pro

7077300.002 With Pull-Down Dual Spray

- Swivel spout with pull-down dual-spray head
- Quality ceramic disc valves
- Multifunction spray head with stream, spray and pause functions
- 1.5 gpm/5.7 L/min. maximum flow

One or Three hole installation with deck plate

FINISH	STOCK NO	EACH
Chrome	*AS7077300002*	*311.69*
Stainless Steel	*AS7077300075*	*374.75*



Colony Pro

- Brass 8½" long swivel spout 360° rotation
- Washerless 35 mm ceramic disc valve cartridge
- Integrated 24" color coded stainless steel supply lines with ⅜" compression connections
- 1.5 gpm/5.7 L/min. maximum flow

7074.000 Less Spray • 3 hole with deck plate

FINISH	STOCK NO	EACH
Chrome	*AS7074000002*	*142.09*

7074.040 With Spray • 4 hole with deck plate

FINISH	STOCK NO	EACH
Chrome	*AS7074040002*	*170.51*



Colony Pro

- High-arc brass swivel & metal lever handles
- ¼ turn washerless ceramic disc valve cartridges
- One-half inch male inlet shank
- 1.5 gpm/5.7 L/min. maximum flow

7074.550 Less Spray • 4" 3-hole mount

FINISH	STOCK NO	EACH
Chrome	*AS7074550002*	*163.39*

7074.551 With Spray • 4-hole mount

FINISH	STOCK NO	EACH
Chrome	*AS7074551002*	*192.70*



Edgewater Semi-Professional with SelectFlo

4932.350

- SelectFlo Spray head with 4 spray functions
- Memory position valving allows you to select a temperature setting without adjusting the handle each time
- Lead free, durable metal construction
- Integral check valves prevent back flow
- Ceramic disc valve cartridge
- 1.5 gpm/5.7 L/min. maximum flow

FINISH	STOCK NO	EACH
Chrome	*AS4932350002*	*747.27*
Stainless Steal	*AS4932350075*	*860.15*



Edgewater Pull-Down with SelectFlo

4932.350

- SelectFlo Spray head with 4 spray functions
- Dock-Tite™ spray-head docking system uses magnetic technology and Re-Trax® for smooth pull-out, operation, and reaction
- Lead free, durable metal construction
- Integral check valves prevent back flow
- Ceramic disc valve cartridge
- 1.5 gpm/5.7 L/min. maximum flow

FINISH	STOCK NO	EACH
Chrome	*AS4932300002*	*584.43*
Stainless Steal	*AS4932300075*	*701.31*



SelectFlo Scrub Brush Set

1660.403 • Set of two brushes

FINISH	STOCK NO	EACH
Plastic	*AS1660403007*	*18.98*



Beale Pull-Down Faucet Selectronic Hands-Free Technology

4931.380

- Selectronic hands-free sensor allows you to operate the faucet without touching, and easily changes to manual mode when desired with a sliding sensor door
- Dock-Tite™ spray-head docking system uses magnetic technology and Re-Trax® for smooth pull-out, operation, and reaction
- Fitting can be mounted with or without escutcheon plate (sold separately)
- Includes 39" integrated color coded braided stainless steel supply hoses with ⅜" compression connections
- 35 mm ceramic disc valve cartridge
- 1.5 gpm/5.7 L/min. maximum flow

FINISH	STOCK NO	EACH
Chrome	*AS4931380002*	*780.23*
Stainless Steal	*AS4931380075*	*893.12*



Beale Pull-Down Faucet

4931.300

- Dock-Tite™ spray-head docking system uses magnetic technology and Re-Trax® for smooth pull-out, operation, and reaction
- Fitting can be mounted with or without escutcheon plate (sold separately)
- Includes 39" integrated color coded braided stainless steel supply hoses with ⅜" compression connections
- 35 mm ceramic disc valve cartridge
- 1.5 gpm/5.7 L/min. maximum flow

FINISH	STOCK NO	EACH
Chrome	*AS4931300002*	*544.47*
Stainless Steal	*AS4931300075*	*607.41*



Monterrey Institutional Lavatory Centerset

- Solid brass construction
- Washerless ceramic disc valve cartridge
- ½"male threaded inlet shanks with brass coupling nuts
- Brass gooseneck spout
- 2.2 gpm/8.3 L/min. maximum flow

7500.170 LESS drain • Wrist blade handles

FINISH	STOCK NO	EACH
Chrome	*AS7500170002*	*207.20*



Monterrey 8" Widespread Faucet

- 10⅝" Height 15¾" Width
- Washerless ceramic disc valve cartridge
- ½"male threaded inlet shanks with brass coupling nuts
- 8" copper connections
- Cast brass valve bodies with rigid copper connections
- 5" reach swivel gooseneck spout
- Water conserving 1.5 gpm
- Wrist blade handles with red/blue color indexes

6540.170 LESS drain • 3-hole mount

FINISH	STOCK NO	EACH
Chrome	*AS6540170002*	*258.27*



Colony Pro Bar Faucet

- 1/4 turn washerless ceramic disc valve cartridge
- ½" male inlet shanks
- Lever Handles
- Brass gooseneck 360° swivel spout
- 1.5 gpm/5.7 L/ min maximum flow rate

7074.400 • 2 or 3-hole 4" mount

FINISH	STOCK NO	EACH
Chrome	*AS7074400002*	*114.56*
Stainless Steal	*AS7074400075*	*135.86*

Laundry/Utility Faucets (16)

americanstandard-us.com



Colony Pro Laundry Faucet

- Brass 360° swivel spout
- 1/4 turn washerless ceramic disc valve cartridge
- ½" male inlet shanks
- Metal Lever Handles
- 1.5 gpm/5.7 L/ min maximum flow rate

7074.240/7074.140 • 2 or 3-hole mount

DESCRIPTION	STOCK NO	EACH
Chrome - Hose End	*AS7074240002*	*114.56*
Chrome - Aerator	*AS7074140002*	*114.56*



Wall Mount Utility Faucet

8354.112

- Lever handles
- Bucket Hook
- Threaded hose end
- ½" NPT female inlets on 8" center
- 6" spout
- Vacuum breaker
- Stops in integral arm.
- Adjustable rough-in (from 6" to 10")

FINISH	STOCK NO	EACH
Polished Chrome	*AS8354112002*	*452.56*
Rough Chrome	*AS8354112004*	*381.63*

American Standard Repair Parts (21)



Cartridge Assembly

A954120.0070A

For two handle Colony

STOCK NO	EACH
ASA9541200070A	*39.07*



Cartridge Assembly

A954440.0070A

For single handle Colony

For use with R110

STOCK NO	EACH
ASA9544400070A	*69.13*



Cartridge Assembly

023529.0070A

For single handle Reliant Plus

For use with R120/R125

STOCK NO	EACH
AS0235290070A	*46.59*



Cartridge Assembly

M952100.0070A

Pressure Balanced Valve.

STOCK NO	EACH
ASM9521000070A	*57.11*



Faucet Replacement Valve Cartridge

994053.0070A

For use with Kitchen & Bath 2-handle faucets.

STOCK NO	EACH
AS9940530070A	*48.09*



Universal Cartridge

M970654-0070A

Pressure Balanced Cartridge for Flash.

STOCK NO	EACH
ASM9706540070A	*57.11*

American Standard



Hardwater Series
- ½" IPS or Sweat Connections
- 8" Centers
- Valve Included

Tub & Shower 2-Handle

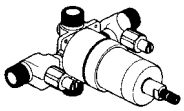
FINISH	STOCK NO	EACH
Chrome	GE58400	296.26

Tub & Shower 3-Handle

FINISH	STOCK NO	EACH
Chrome	GE58500	363.97

GERBER

Ceramic Disc Cartridges



GH-305

- Pressure Balanced Valves
- Bulk Pack
- For Use with: Riverdale, Waveland, Viper, and Maxwell Series
- Trim Sold Seperately

IPS/Sweat - With Stops

FINISH	STOCK NO	EACH
Rough Brass	GEGH305PK	113.83

Treysta Tub & Shower Rough-In Valve



- Includes forged valve body
- Plaster guard
- Innovative pressure test cap
- Can be pressure tested to 150 PSI
- Easy-access mounting

½" IPS/Sweat Inlets/Outlets - LESS Stops

FINISH	STOCK NO	EACH
Rough Brass	G00GS505	75.78

Treysta Tub & Shower Rough-In Valve



- Includes forged valve body
- Plaster guard
- Innovative pressure test cap
- Can be pressure tested to 150 PSI
- Easy-access mounting

½" F1807 (Crimp) PEX Inlets, ½" IPS/Sweat Outlets - LESS Stops

FINISH	STOCK NO	EACH
Rough Brass	G00GS525	91.11

Treysta Tub & Shower Rough-In Valve



- Includes forged valve body
- Plaster guard
- Innovative pressure test cap
- Can be pressure tested to 150 PSI
- Easy-access mounting

½" F1960 (Cold Expansion) PEX Inlets, ½" IPS/Sweat Outlets - LESS Stops

FINISH	STOCK NO	EACH
Rough Brass	G00GS527	91.11

Laundry Fittings



Allerton Laundry Faucet
- Bulk Pack
- 3 Hole Installation
- 8" Swing Spout
- Ceramic Disc Cartridge
- Lever Handles

All Brass Waterways

FINISH	STOCK NO	EACH
Chrome	GE49274PK	124.50



Laundry Faucet
- Washerless
- Clamp-On
- 6" Swing Spout
- Lever Handles

Hose End, IPS/Sweat Connections (No aerator)

FINISH	STOCK NO	EACH
Rough Brass	GE49530	98.57



Laundry Faucet
- Washerless
- Threaded Legs
- Lever Handles

IPS/Sweat Connections, LESS Aerator

FINISH	STOCK NO	EACH
Rough Brass	GE49540	139.67

Direct Sweat Connections, NO Threads on Spout

Rough Brass	GE49556	100.50

Bar Fittings



Allerton Bar Faucet
- 3 Hole Installation
- 9⅞" Swing Spout
- 1.75 gmp @ 60 psi
- Ceramic Disc Cartridge
- 2 Lever Handles

FINISH	STOCK NO	EACH
Chrome	GE49372	153.36

Kitchen Fittings



Viper Kitchen Faucet
- 4 Hole Installation
- 7⅜" Swing Spout
- 1.75 gmp @ 60 psi
- Includes Side Spray
- Includes Integrated Deck Plate
- Ceramic Disc Cartridge
- Lever Handle

FINISH	STOCK NO	EACH
Chrome	GE40012	197.57



Selene Kitchen Faucet
- Single Hole Installation
- 16¾" Swing Spout
- 1.75 gmp @ 60 psi
- Dual Function Sprayhead: Single, Steady Flow and Power Spray
- SnapBack® Retraction System
- ⅜" Compression Connection
- Integral Check Valve
- Lever Handle

FINISH	STOCK NO	EACH
Chrome	D454012	350.93
Stainless Steel	D454012SS	459.19



Cover Plate Assembly
For 8" Kitchen Faucets.
¼" Height, 10¼" Width, 2½" Depth

FINISH	STOCK NO	EACH
Chrome	DA665051	27.07
Stainless Steel	DA665051BN	35.18

danze by GERBER

danze.com

Lavatory Fittings



Viper Lavatory Faucet
- 3 Hole Installation
- Includes Metal Touch Down Drain
- 1.2 gmp @ 60 psi
- Ceramic Disc Cartridge
- Lever Handles

FINISH	DRAIN OPTION	STOCK NO	EACH
Chrome	With Drain	GE40024	163.29
Chrome	Less Drain	GE40028	141.64



Viper Lavatory Faucet
- 1 Hole Installation
- Includes Metal Touch Down Drain
- 1.2 gmp @ 60 psi
- Ceramic Disc Cartridge
- Lever Handle

FINISH	STOCK NO	EACH
Chrome	GE40029	149.76



Viper Lavatory Faucet
- 3 Hole Installation
- Includes Metal Touch Down Drain
- 1.2 gmp @ 60 psi
- Ceramic Disc Cartridge
- 2 Lever Handles

FINISH	STOCK NO	EACH
Chrome	GE43011	146.15
Chrome Widespread	GE43376	232.75



Antioch Lavatory Faucet
- 1 Hole Installation
- Includes Metal Touch Down Drain
- 1.2 gmp @ 60 psi
- Ceramic Disc Cartridge
- Lever Handle

FINISH	STOCK NO	EACH
Chrome	D222522	219.22



Antioch Lavatory Faucet
- 3 Hole Installation
- Includes Metal Touch Down Drain
- 1.2 gmp @ 60 psi
- Ceramic Disc Cartridge
- 2 Lever Handles

FINISH	STOCK NO	EACH
Chrome	D301122	133.52

Delta Tub and Shower Fittings (16)

deltafaucet.com





Monitor® 17 Classic Series

- Soft, rubber spray holes with Full body, Massaging and Soft Drench settings
- Red/blue temperature indicator
- Meets ADA standards



FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
T17430 Tub & Shower		
Chrome	*DET17430*	*291.11*
T17230 Shower Only		
Chrome	*DET17230*	*261.29*



Innovations® Lever Handle

A74 • Accents for Monitor Series tub/shower fittings

FINISH	STOCK NO	EACH
Polished Chrome	*DEA74*	*32.09*



Monitor® 17 Victorian Series

- Soft, rubber spray holes with Full body, Massaging and Soft Drench settings
- Two handles to control volume and water temperature independently
- Meets ADA standards



FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
T17455 Tub & Shower		
Venetian Bronze	*DET17455RB*	*786.43*
T17255 Shower Only		
Venetian Bronze	*DET17255RB*	*527.62*



Victorian® Lever Handle

A716

FINISH	STOCK NO	EACH
Venetian Bronze	*DEA716RB*	*49.48*





Trinsic® 17 Series

- Two handles to control volume and water temperature independently
- WaterSense certification
- H2OKinetic spray
- Meets ADA standards



FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
T17459 Tub & Shower		
Chrome	*DET17459*	*333.61*





Monitor® 14 Ashlyn Series

- WaterSense certification
- Touch-Clean® showerhead.
- Single function operation
- Meets ADA standards

FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
T14464 Tub & Shower		
Chrome	*DET14464*	*243.62*
Brilliance Stainless	*DET14464SS*	*357.66*
Venetian Bronze	*DET14464RB*	*401.15*
Matte Black	*DET14464BL*	*375.07*
T14264 Shower Only		
Chrome	*DET14264*	*190.81*
Brilliance Stainless	*DET14264SS*	*278.56*
Venetian Bronze	*DET14264RB*	*296.14*
Matte Black	*DET14264BL*	*287.42*





Monitor® 17 Ashlyn Series

- Two handles to control volume and water temperature independently
- Touch-Clean® showerhead.
- Meets ADA standards

FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
T17464 Tub & Shower		
Chrome	*DET17464*	*295.53*
Matte Black	*DET17464BL*	*444.76*
Venetian Bronze	*DET17464RB*	*453.61*
Brilliance Stainless	*DET17464SS*	*427.23*
T17264 Shower Only		
Chrome	*DET17264*	*243.72*
Matte Black	*DET17264BL*	*392.24*
Venetian Bronze	*DET17264RB*	*401.04*
Brilliance Stainless	*DET17264SS*	*374.87*





Monitor® 17 Lahara Series

- Two handles to control volume and water temperature independently
- Touch-Clean® 5-setting showerhead: Pause, Full Body Spray, Full Spray w/Massage, Fast Massage, and Soft Drench Spray
- Meets ADA standards

FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
T17438 Tub & Shower		
Chrome	*DET17438*	*291.02*
Brilliance Stainless	*DET17438SS*	*428.29*
Venetian Bronze	*DET17438RB*	*465.51*
T17238 Shower Only		
Chrome	*DET17238*	*268.18*
Brilliance Stainless	*DET17238SS*	*395.89*
Venetian Bronze	*DET17238RB*	*433.16*



Universal Valves

R10000

- Universal valve body only
- ½" universal inlets/outlets

STOCK NO	EACH
LESS Stops	
DER10000UNBX	*77.57*
WITH Stops	
DER10000UNWS	*111.31*
PEX Connections LESS Stops	
DER10000PX	*77.57*
PEX Connections WITH Stops	
DER10000PXWS	*111.31*
PEX F1960 Cold Expansion LESS Stops	
DER10000MF	*77.57*
PEX Cold Expansion WITH Stops	
DER10000MFWS	*111.31*
High-Flow Shower Only	
DER10000UNBXHF	*77.57*
Pex Crimp Shower Only	
DER10000PFSPX	*94.45*
PEX with Tub Drop LESS Stops	
DER10000PFTPX	*107.96*
Pex with Tub Drop WITH Stops	
DER10000PFTPXWS	*151.81*



ARA® Two Handle Wall Mount Rough

- 8 in. Wall-Mount Lavatory Rough-in for use with 2-handle wall-mount lavatory and tub filler trim
- ½" NPT Rough-In
- Ships with valves and plasterguards.

STOCK NO	EACH
DER3500WL	*225.69*



Universal Valves with In-Wall Diverter

- Universal valve body only
- ½" universal inlets/outlets

STOCK NO	EACH
R22000 Shower Only	
DER22000	*248.13*
R22000-WS Shower Only WITH Stops	
DER22000WS	*288.63*





Monitor® 14 Lahara Series

Single function pressure balance cartridge

FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
T14438 Tub & Shower		
Chrome	*DET14438*	*246.25*
Brilliance Stainless	*DET14438SS*	*368.54*
Venetian Bronze	*DET14438RB*	*404.54*
T14238 Shower Only		
Chrome	*DET14238*	*200.88*
Brilliance Stainless	*DET14238SS*	*305.75*
Venetian Bronze	*DET14238RB*	*328.24*



Monitor® 13 Classic Series





- Tub/Shower fitting
- Touch-Clean®
- Pressure balanced
- Includes clear knob handle

FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
T13422		
Chrome	*DET13422*	*171.06*
T13422-SOS with Slip-On Spout for ½" C.W.T.		
Chrome	*DET13422SOS*	*128.99*

(21)

Clear Knob Handle



- For Tub/Shower Only
- Red/Blue indicators on handle button

H71 • for Monitor 13 Series

FINISH	STOCK NO	EACH
Clear	*DEH71*	*45.70*

Lever Handle



H79 • For Monitor 13 & 14 Series

FINISH	STOCK NO	EACH
Chrome	*DEH79*	*63.68*



Monitor® 13 Classic Series





- 5 Spray Settings
- Touch-Clean®
- Pressure balanced
- Pull-up diverter tub spout
- Includes single lever handle

FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
T13420 - Universal tub spout adapter included allows for thread, sweat or slip-on installation		
Chrome	*DET13420*	*171.06*
Stainless Steel	*DET13420SS*	*223.76*
T13220 Shower Only		
Chrome	*DET13220*	*133.64*
Stainless Steel	*DET13220SS*	*178.75*

Roman Tub Fittings & Rough-ins



Lahara Roman Tub Trim with Handshower

- 4 hole installation
- Coordinating Hand Shower with double check valves for backflow prevention
- 8½"Long, 8⅞" high rigid slip-on spout
- Scalloped handle bases, 2⁹⁄₁₆" diameter
- With conventional installation kit, adjusts to 1¼" maximum thickness

FOR USE WITH R4707 ROUGH-IN VALVE

FINISH	STOCK NO	EACH
T4738		
Chrome	*DET4738*	*635.90*
Brilliance Stainless	*DET4738SS*	*958.16*
Venetian Bronze	*DET4738RB*	*1018.28*



Roman Tub Rough-in Kit

R4707 • Includes Handshower

STOCK NO	EACH
DER4707	*425.36*



Lahara Roman Tub Trim Kit

- 3 hole installation
- 8½"Long, 8⅞" high rigid slip-on spout
- Scalloped handle bases, 2⁹⁄₁₆" diameter
- With conventional installation kit, adjusts to 1¼" maximum thickness

FOR USE WITH R2707 ROUGH-IN VALVE

FINISH	STOCK NO	EACH
T2738		
Chrome	*DET2738*	*397.25*
Brilliance Stainless	*DET2738SS*	*598.08*
Venetian Bronze	*DET2738RB*	*628.36*



Roman Tub Rough-in Kit

R2707

STOCK NO	EACH
DER2707	*204.03*



Victorian Lever Roman Tub Handle Kit

H616 • Must order both lever handle bases and accents to complete handle assembly

FINISH	STOCK NO	EACH
Chrome	*DEH616*	*173.34*
Brilliance Stainless	*DEH616SS*	*263.58*
Venetian Bronze	*DEH616RB*	*268.11*



Roman Tub Rough-in Kit Includes Handshower

STOCK NO	EACH
PEX Connections R4707-PX	
DER4707PX	*476.00*
PEX Cold Expansion R4707-MF	
DER4707MF	*519.39*



Roman Tub Rough-in Kit

R2707-PX

STOCK NO	EACH
PEX Connections R2707-PX	
DER2707PX	*225.69*
PEX Cold Expansion R2707-MF	
DER2707MF	*247.41*



Classic Garden Roman Tub Trim Kit

- 3 hole 8-16" installation
- 6½" Long, 7" high rigid slip-on spout

FOR USE WITH R2707 ROUGH-IN VALVE

FINISH	STOCK NO	EACH
T5722		
Chrome	*DET5722*	*328.85*



Ashlyn® Roman Tub Trim Kit

- 3-hole 8-16". installation
- 8⅜" Long, 6⅝" rigid slip-on spout
- Temperature & volume controlled with handles

FOR USE WITH R2707 ROUGH-IN VALVE

FINISH	STOCK NO	EACH
T2764-BL		
Matte Black	*DET2764BL*	*594.03*



Stryke® Wall Mounted Tub Filler

- 3 hole wall-mount
- 12¾"Long, ¼ turn stops

FOR USE WITH R3500WL ROUGH-IN VALVE

FINISH	STOCK NO	EACH
T5776-SSWL		
Stainless	*DET5776SSWL*	*1180.49*



H2Okinetic®
- 5-Setting H2Okinetic Hand Shower
- 60-82" Stretchable Metal Hose
- Soft-Touch Handle

54445-PK • Shower Mount Hand Shower

FINISH	STOCK NO	EACH
Chrome	DE54445PK	243.85



Premium
- 5-Setting Hand Shower
- 60" UltraFlex Hose
- 2.00 gpm @ 80 psi
- Touch-Clean® Spray Holes
- ½" IPS connection point.

55436-PK • Fixed Wall Mount Hand Shower

FINISH	STOCK NO	EACH
Chrome	DE55436PK	158.53



Premium Slide Bar Hand Shower
- Adjustable Slide bar
- 3-Setting hand shower
- Dual check valves
- 69" hose Included

FINISH	STOCK NO	EACH
57014		
Chrome	DE57014	425.82
Venetian Bronze	DE57014RB	653.94
Brilliance Stainless	DE57014SS	582.19



Temp20® Showerhead
- 6-Settings
- Touch Clean spray holes
- 4¾" spray surface
- 5¼" showerhead length

54446

FINISH	STOCK NO	EACH
Chrome	DE52646PK	192.22
Venetian Bronze	DE52646RBPK	302.91
Brilliance Stainless	DE52646SSPK	275.21



HydroRain® H2Okinetic®
- 5-setting hand shower
- MagnaTite® Docking
- Touch-Clean® Spray Holes
- Includes 60"-82" hose

58680-SS-PR25 • Shower Mount

FINISH	STOCK NO	EACH
Stainless	DE58680SSPR25	615.38



In2ition®
- 4-setting hand shower
- Integrated handshower docks securely into showerhead
- 60"-82" stainless steel stretchable hose

58467-SS • Shower Mount

FINISH	STOCK NO	EACH
Brilliance Stainless	DE58467SS	346.79



In2ition®
- 5-setting hand shower
- Integrated handshower docks securely into showerhead
- Touch-Clean® Spray Holes
- Includes 60"-82" hose
- ½" IPS connection point.

58569-PK • Shower Mount

FINISH	STOCK NO	EACH
Chrome	DE58569PK	323.45
Brilliance Stainless	DE58569SSPK	420.47



H2Okinetic® In2ition®
- 5-setting hand shower
- MagnaTite® Docking
- Touch-Clean® Spray Holes
- Includes 60"-82" hose
- H2Okinetic® Technology

58480-PK • Shower Mount

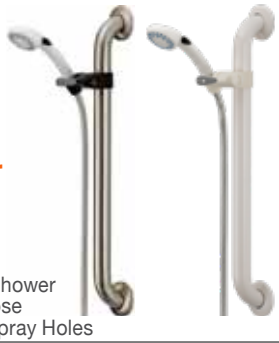
FINISH	STOCK NO	EACH
Chrome	DE58480PRPK	420.43
Stainless	DE58480SSPRPK	546.56
Venetian Bronze	DE58480RBPK	610.81



Universal In2ition®
- 4-setting hand shower
- MagnaTite® Docking
- Touch-Clean® Spray Holes
- Includes 60"-82" hose
- WaterSense® uses 20% less water

58499 • Shower Mount

FINISH	STOCK NO	EACH
Chrome	DE58499	241.62



ADA Grab Bar Hand Held Showers
- 24" grab bar
- 2-Setting Handshower
- 82" UltraFlex Hose
- Touch-Clean® Spray Holes

FINISH	STOCK NO	EACH
52001-DS • 60"-82" Stretchable Hose Stainless Steel Grab Bar	DE52001DS	326.00
52002-UF • 70" Ultraflex Hose White Grab Bar	DE52002UF	219.33

Diverter Valves



3 Setting 2-Port Diverter

FINISH	STOCK NO	EACH
T11800 Trim ONLY		
Chrome	DET11800	228.49
Venetian Brz.	DET11800RB	365.26
Stainless	DET11800SS	342.40



3 Setting 2-Port Diverter

FINISH	STOCK NO	EACH
T11864-BL Trim ONLY		
Matte Black	DET11864BL	348.75



3 Setting 2-Port Diverter

FINISH	STOCK NO	EACH
T11859-SS Trim ONLY		
Stainless	DET11859SS	340.46



Integrated Diverter Lever
- For use with Delta Stryke™ integrated diverter valves
- Diverts the flow of water between components
- Does not control volume or temperature

FINISH	STOCK NO	EACH
Matte Black	DEH559BL	94.72



Lahara® Monitor 17 Series

FINISH	STOCK NO	EACH
T17038 Trim ONLY		
Chrome	DET17038	223.47



Kayra® Monitor 14 Series

FINISH	STOCK NO	EACH
T14033-SS Trim ONLY		
Stainless	DET14033SS	201.18



Diverter Rough
- For use with 3 or 6 functions
- Three port diverter rough
- ½" Rough-In

STOCK NO	EACH
R11000	
DER11000	168.72



Monitor 13 Shower Trim Kit
T13290
- Shower fitting
- Handle adjusts temperature
- Vandal resistant blade handle



FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
Chrome	*DET13290*	*154.29*



ActicTouch® Hand Shower with Slide and Grab Bar
51900
- Spray settings include: Full Body, Fast Massage, Full Spray with Massage, Shampoo Rinsing, Shampoo Rinsing with Massage, Soft Drench, Soft Drench with Massage, and Soft Full
- 24" Grab bar supports 500 lbs
- Pause feature for water conservation
- 82" Hose and non-slip grip handle

FINISH	STOCK NO	EACH
Chrome	*DE51900*	*400.36*
Brilliance Stainless	*DE51900SS*	*520.38*
Venetian Bronze	*DE51900RB*	*600.45*



7-Setting Hand Shower
- Spray settings include: ProClean Spray, H2Okinetic PowerDrench Spray, Full Spray, Full Spray + Massage, Massage, Shampoo Rinsing and Pause
- 27¾" slide bar
- 60-80" stretchable metal hose

FINISH	STOCK NO	EACH
54810 - LESS Slide Bar		
Stainless	*DE54810SSPK*	*269.07*
51584 - WITH Slide Bar		
Stainless	*DE51584SSPR*	*470.46*
Matte Black	*DE51584BL*	*438.67*



Stryke® 17 Series
- Two handles to control volume and water temperature independently
- Touch-Clean® showerhead
- H2OKinetic spray
- Meets ADA standards



FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
T17276-BL Shower Only		
Matte Black	*DET17276BL*	*692.43*



Teck Series
T13H153
- 24" grab bar
- 70" vinyl hose
- Vacuum breaker
- ADA adjustable slide bar
- Valve with hand held & cartridge
- Vandal resistant blade handle



FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
Chrome	*DET13H153*	*428.33*



Kayra® Monitor 17 Series
T17233-SS-I
- The In2ition® Two-in-One Shower
- 60-82" stretchable metal hose
- Lever adjusts volume
- Dial adjusts temperature
- Full Body spray, Massage spray, Full spray with Massage, and Pause

FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
Stainless	*DET17233SSI*	*448.65*



Linden® Monitor 17 Series
T17294-RB-I
- The In2ition® Two-in-One Shower
- 60-82" stretchable metal hose
- Lever adjusts volume
- Dial adjusts temperature
- Full Body spray, Massage spray, Full spray with Massage, and Pause

FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
Venetian Bronze	*DET17294RBI*	*421.92*



Ashlyn® Monitor 17 Series
T17294-RB-I
- The In2ition® Two-in-One Shower
- 60-82" stretchable metal hose
- Lever adjusts volume
- Dial adjusts temperature
- Full Body spray, Massage spray, Full spray with Massage, and Pause

FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
Stainless	*DET17264SSI*	*462.43*
Matte Black	*DET17264BLI*	*479.94*



Universal Valves
R10000
- Universal valve body only
- ½" universal inlets/outlets

STOCK NO	EACH
LESS Stops	
DER10000UNBX	*77.57*
WITH Stops	
DER10000UNWS	*111.31*
PEX Connections LESS Stops	
DER10000PX	*77.57*
PEX Cold Expansion WITH Stops	
DER10000MFWS	*111.31*





Universal Valves with In-Wall Diverter
- For use with MultiChoice® Universal T13H and T17TH series with diverter valve for dual showers
- ½" universal inlets/outlets

STOCK NO	EACH
R10700-UNWS Tub/Shower WITH Stops	
DER10700UNWS	*176.31*



HydraChoice® Body Spray Rough
R50200
- ½" rough-in
- 2 9⁄16" thru hole in wall
- Forged brass body
- Includes test cap and plasterguard
- For use with T50010 or T50210 and spray heads SH5000, SH5002, SH5003, or SH5005

STOCK NO	EACH
DER50200	*110.16*



Floor Mount Tub Filler
R4700-FL
- Rough-in kit only
- Must purchase trim kit
- Machined brass body with stainless steel mounting plate
- Cartridge ships with trim
- 1/2 in. sweat rough-in

STOCK NO	EACH
DER4700FL	*348.38*





Saylor Monitor® 14 Series
- Full Body spray, Massage spray, Full Body spray with Massage, Shampoo Rinsing spray, & Pause
- Touch-Clean® showerhead
- WaterSense® Shower
- Meets ADA standards

FOR USE WITH R10000 UNIVERSAL VALVES

FINISH	STOCK NO	EACH
T14235-BL Shower Only		
Matte Black	*DET14235BL*	*284.03*
T14435-BL Pull-up Tub & Shower		
Matte Black	*DET14435BL*	*374.11*

Delta Lavatory Fittings (16)

deltafaucet.com

Classic



- 4" centerset
- Lead FREE
- Metal pop-up drain
- Hot/Cold handle indicators

2522LF-MPU • With clear knob handles

FINISH	STOCK NO	EACH
Chrome	DE2522LFMPU	186.19

Classic



- 3 hole installation
- 6" to 16" center widespread
- Rigid spout 5½" long, 3⅞" high
- Metal Drian with Pop-up
- WaterSense® uses at least 20% less water
- ½" IPS Connection

2522LF-MPU • With metal lever handles

FINISH	STOCK NO	EACH
Chrome	DE3530LFMPU	396.44

Classic



- 2 & 3 Hole Installation
- 4" Centerset
- Rigid spout 5¼" long, 3¹¹⁄₃₂" high
- Metal Drian with Pop-up
- WaterSense® uses at least 20% less water
- ½" IPS Connection

2523LF-MPU • With metal lever handles

FINISH	STOCK NO	EACH
Chrome	DE2523LFMPU	208.72
Stainless	DE2523LFSSMPU	291.06

Classic



- 4" Centerset
- Diamond Seal technology
- WaterSense®
- ⅜" O.D. straight, staggered PEX supply lines

Single Metal Lever handle

FINISH	STOCK NO	EACH
520-SSMPU-DST • Metal pop-up drain		
Brilliance Stainless.	DE520SSMPUDST	313.65
501-DST • LESS pop-up drain		
Chrome	DE501DST	193.64

Commercial Faucets



- 4" centerset
- Metal pop-up drain
- Copper Supply Lines
- Vandal Resistant Aerator & Handle

520LF-HDF • Single Lever handle
Flow Rate: 1.20 gpm @ 60 psi

FINISH	STOCK NO	EACH
Chrome	DE520LFHDF	268.73

Lahara Collection

Lahara®



- 1 or 3 Hole installation
- Metal pop-up
- Spout 5½" long
- Diamond Seal Technology

538-MPU-DST • Single handle deck mount

FINISH	STOCK NO	EACH
Chrome	DE538MPUDST	328.24
Brilliance Stainless.	DE538SSMPUDST	418.32
Venetian Bronze.	DE538RBMPUDST	456.39

Lahara®



- 3 Hole installation
- Metal pop-up
- Spout 5½" long
- Diamond Seal Technology

2538-MPU-DST • Two handle deck mount

FINISH	STOCK NO	EACH
Chrome	DE2538MPUDST	238.65
Brilliance Stainless.	DE2538SSMPUDST	321.14
Venetian Bronze.	DE2538RBMPUDST	358.67

Lahara®



- 3 Hole installation
- Metal pop-up
- Spout 5½" long
- Diamond Seal Technology

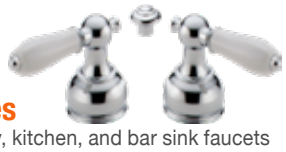
3538-MPU-DST • Two handle widespread

FINISH	STOCK NO	EACH
Brilliance Stainless.	DE3538SSMPUDST	546.18
Venetian Bronze.	DE3538RBMPUDST	598.19

DELTA

Delta Lavatory Handle Options (16)

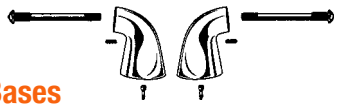
Traditional Lever Handles



For two handle lav, kitchen, and bar sink faucets

FINISH	STOCK NO	EACH
Chrome/Porcelain	DEH212	160.18

Lever Handle Bases



For two handle Lav faucets

FINISH	STOCK NO	EACH
Chrome	DEH24	104.71

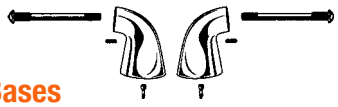
Accents



For Innovations two handle lav faucets

FINISH	STOCK NO	EACH
Chrome	DEA24	50.15
Polished Brass	DEA24PB	44.38
White	DEA24WH	57.93

Lever Handle Bases



For two handle Roman tub faucets

FINISH	STOCK NO	EACH
Chrome	DEH64	159.89

Accents



For above

FINISH	STOCK NO	EACH
Chrome	DEA64	59.29



Teck Series
22C101
- 4" centerset
- 5¾" rigid spout
- 2 & 3-hole installation

Single Lever handle • LESS Pop-up
Flow Rate: 1.5 gpm @ 60 psi

FINISH	STOCK NO	EACH
Chrome	DE22C101	263.80



HDF Series
511-LFHDF
- 4" centerset
- 4½" long spout
- 2-hole installation
- 2.2 gpm vandal resistant aerator
- NO Lift-rod hole

Single Lever handle • LESS Pop-up
Flow Rate: 1.20 gpm @ 60 psi

FINISH	STOCK NO	EACH
Chrome	DE511LFHDF	246.94



HDF Series
501LF-HDF
- 4" centerset
- 4½" rigid spout
- 2-hole installation
- ½" IPS adapters
- 2.2 gpm vandal resistant aerator

FINISH	STOCK NO	EACH
Single Lever handle • LESS Pop-up		
Flow Rate: 1.20 gpm @ 60 psi		
Chrome	DE501LFHDF	228.06
VR Spray Outlet, Single Lever handle • LESS Pop-up		
Flow Rate: 0.50 gpm @ 60 psi		
Chrome	DE501LFHGMHDF	228.06



Teck Series
27C4844
- 4" centerset
- 4½" high spout
- 2-hole installation

Wrist blade handle • TUF-TEK Cartridges
Flow Rate: 1.5 gpm @ 60 psi

FINISH	STOCK NO	EACH
Chrome	DE27C4844	347.30



Teck Series
27C2944
- 8" centerset
- 6" high spout
- 3-hole installation

Wrist blade handle • CER-TEK Cartridges
Flow Rate: 1.5 gpm @ 60 psi

FINISH	STOCK NO	EACH
Chrome	DE27C2944	417.61

Ashlyn Collection



Ashlyn®
564-MPU-DST
- Diamond Seal Technology
- 1 or 3 hole 4" installation
- Rigid spout
- 1.20gpm @ 60psi
- Includes matching finish drain assembly

Single Lever handle • Metal Pop-up

FINISH	STOCK NO	EACH
Chrome	DE564MPUDST	313.81
Brilliance Stainless.	DE564SSMPUDST	403.84
Venetian Bronze.	DE564RBMPUDST	462.17
Matte Black	DE564BLMPUDST	426.37



Ashlyn®
2564-MPU-DST
- Diamond Seal Technology
- 3 hole 4" installation
- Rigid spout
- 1.20gpm @ 60psi
- Includes matching finish drain assembly

Two Lever handles • Metal Pop-up

FINISH	STOCK NO	EACH
Chrome	DE2564MPUDST	231.42
Brilliance Stainless.	DE2564SSMPUDST	321.14
Venetian Bronze.	DE2564RBMPUDST	357.25
Matte Black	DE2564BLMPUDST	336.34



Ashlyn®
3564-MPU-DST
- Diamond Seal Technology
- 3 hole 6-16" installation
- EZ Anchor mounting
- Rigid spout
- 1.20gpm @ 60psi
- Includes matching finish drain assembly

Two Lever handles • Metal Pop-up

FINISH	STOCK NO	EACH
Chrome	DE3564MPUDST	411.39
Brilliance Stainless.	DE3564SSMPUDST	538.93



Trinsic®
559LF-MPU
- Diamond Seal Technology
- 1 or 3 hole 4" installation
- WaterSense®
- 1.2 gpm @ 60psi
- Includes matching finish drain assembly

Single handle • Metal Pop-up

FINISH	STOCK NO	EACH
Stainless.	DE559LFSSMPU	456.37
Matte Black	DE559LFBLMPU	470.11



Trinsic®
- 1 or 3 hole 4" installation
- WaterSense®
- 1.2 gpm @ 60psi
- Optional deck plate sold spearately
- Includes matching finish drain assembly

Single handle • Metal Pop-up

FINISH	STOCK NO	EACH
559HA-BL-DST • Spout swivels 360°		
Matte Black	DE559HABLDST	562.72
559HAR-BL-DST • Rigid spout - spout does not swivel		
Matte Black	DE559HARBLDST	562.72



Linden®
594-MPU-DST
- Diamond Seal Technology
- 1 or 3 hole 4" installation
- WaterSense®
- 1.2 gpm @ 60psi
- Includes matching finish drain assembly

Single Lever handle • Metal Pop-up

FINISH	STOCK NO	EACH
Stainless.	DE594SSMPUDST	370.36
Venetian Bronze.	DE594RBMPUDST	418.57



Kayra®
533LF-PDMPU
- 1 or 3 hole 4" installation
- WaterSense®
- 1.2 gpm @ 60psi
- Includes optional deck plate
- Includes matching finish drain assembly

Single handle Pull Down • Metal Pop-up

FINISH	STOCK NO	EACH
Chrome	DE533LFPDMPU	283.47
Stainless.	DE533LFSSPDMPU	388.75
Matte Black	DE533LFBLPDMPU	411.18



Kayra®
533LF-BLMPU
- 1 or 3 hole 4" installation
- WaterSense®
- 1.2 gpm @ 60psi
- Includes optional deck plate
- Includes matching finish drain assembly

Single handle • Metal Pop-up

FINISH	STOCK NO	EACH
Matte Black	DE533LFBLMPU	343.72



Nicoli®
- 3 Hole installation
- Metal pop-up
- Spout 5" long, 8⅝" Tall
- WaterSense® Labeled

35749LF-SS • Two handle widespread

FINISH	STOCK NO	EACH
Stainless	DE35749LFSS	366.11



Trinsic®
- 3 Hole installation
- Metal pop-up
- Spout 5" long, 7¾" Tall
- WaterSense® Labeled

3559-BLMPU-DST • Two handle widespread

FINISH	STOCK NO	EACH
Matte Black	DE3559BLMPUDST	677.82



Kayra®
- 3 Hole installation
- 4" Centerset
- Metal pop-up
- Spout 5" long, 7½" Tall
- WaterSense® Labeled

2533LF-SSMPU • Two handle deck mount

FINISH	STOCK NO	EACH
Stainless	DE2533LFSSMPU	276.13

DELTA



Tetra®
- 3 Hole installation
- Metal pop-up
- Spout 5½" long, 8" Tall
- DIAMOND Seal® Technology
- WaterSense® Labeled

35588-CZ-PR-DST • Two handle widespread

FINISH	STOCK NO	EACH
Champagne Bronze	DE35588CZPRDST	845.44



Dorval®
- 3 Hole installation
- Metal pop-up
- Spout 5¼" long, 6⁹⁄₁₆" Tall
- DIAMOND Seal® Technology
- WaterSense® Labeled

3556-GSMPU-DST • Two handle widespread

FINISH	STOCK NO	EACH
Champagne Bronze	DE3556GSMPUDST	1042.71



Velum
- 3 Hole installation
- Metal pop-up
- Spout 5" long, 5¹⁄₁₆" Tall
- WaterSense® Labeled

3539LF-BLMPU • Two handle widespread

FINISH	STOCK NO	EACH
Matte Black	DE3539LFBLMPU	419.23



Saylor
- 3 Hole installation
- Metal pop-up
- Spout 5⁷⁄₁₆" long, 8" Tall
- DIAMOND Seal® Technology
- WaterSense® Labeled

3535-BLMPU-DST • Two handle widespread

FINISH	STOCK NO	EACH
Matte Black	DE3535BLMPUDST	562.03



Ara®

567LF-BLMPU
- 1 or 3 hole 4" installation
- WaterSense®
- 1.2 gpm @ 60psi
- Includes optional deck plate
- Includes matching finish drain assembly

Single handle • Metal Pop-up

FINISH	STOCK NO	EACH
Matte Black	DE567LFBLMPU	623.43



Dryden®

551-SS-DST
- 1 or 3 hole 4" installation
- WaterSense®
- 1.2 gpm @ 60psi
- Optional deck plate sold spearately
- Includes matching finish drain assembly

Single handle • Metal Pop-up

FINISH	STOCK NO	EACH
Stainless	DE551SSDST	623.48



Saylor

536-BLMPU-DST
- 1 or 3 hole 4" installation
- WaterSense®
- 1.2 gpm @ 60psi
- Includes optional deck plate
- Includes matching finish drain assembly

Single handle • Metal Pop-up

FINISH	STOCK NO	EACH
Matte Black	DE536BLMPUDST	426.37



Classic
100-DST/300-DST/400-DST
- 3-hole, 8" centerset
- 8" long swing spout
- 3/8" Compression Fittings
- DIAMOND Seal Technology

Chrome • Single lever handle

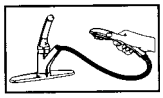
SIDE SPRAY OPTIONS	STOCK NO	EACH
NO Side Spray	DE100DST	186.45
Side Spray on deck	DE300DST	232.83
4-hole Side Spray	DE400DST	229.85



Classic
175-DST
- 2-hole installation
- 8" long swing spout
- 3/8" Compression Fittings
- DIAMOND Seal Technology
- With Side Spray

Single lever handle

FINISH	STOCK NO	EACH
Chrome	DE175DST	238.86





Signature
470-DST
- 9 1/8" long swing spout
- Single or 3 hole installation
- Stainless steel vacuum breaker ball
- Easy side-to-side activated aerated stream or full spray
- Quick-connect 60"spray hose, 38" reach
- Touch-Clean® sprayhead
- Red/blue handle indicator
- DIAMOND seal technology reduces leaks

Single lever handle • Optional Escutcheon Included

FINISH	STOCK NO	EACH
Chrome	DE470DST	583.44
Arctic Stainless	DE470ARDST	808.93





Foundations®
B4310LF-SS
- 2-Function Pull-Out
- 8 3/4" long 120° swing spout
- Single or 3 hole installation
- Quick-connect 59"spray hose
- Touch-Clean® sprayhead
- Red/blue handle indicator

Single lever handle • Optional Escutcheon Included

FINISH	STOCK NO	EACH
Stainless	DEB4310LFSS	418.27



RP1001
Soap Dispenser

FINISH	STOCK NO	EACH
Chrome	DERP1001	81.03
Brilliance Stainless	DERP1001SS	111.00



RP1002
Artic Stainless Soap Dispenser

STOCK NO	EACH
DERP1002AR	115.51



Collins
140-DST
- 8" centerset
- 9" long swing spout
- 3/8" copper or compression and adapters to accept 1/2" IPS
- Red/blue handle indicators

Single lever handle

FINISH	STOCK NO	EACH
Chrome	DE140DST	223.61
Brilliance Stainless	DE140SSDST	256.51



Collins
440-DST
- 8" centerset
- 9" long swing spout
- 1/2" I.P.S. adapters
- With hose and spray
- Red/blue handle indicators

Single lever handle

FINISH	STOCK NO	EACH
Chrome	DE440DST	268.69
Brilliance Stainless	DE440SSDST	373.65



Leland
9178-DST
- 13 7/8" High-arc spout
- 59" hose providing 20" reach
- Spout swivels 360°
- DIAMOND seal technology reduces leaks
- SpotShield resists water spots and fingerprints

Single lever handle • Optional Escutcheon Included

FINISH	STOCK NO	EACH
Chrome	DE9178DST	493.47
Arctic Stainless	DE9178ARDST	539.10
Venetian Bronze	DE9178RBDST	703.86
SpotShield Stainless	DE9178SPDST	539.10



Leland
978-DST
- 13 7/8" High-arc spout
- 59" hose providing 20" reach
- Spout swivels 360°
- DIAMOND seal technology reduces leaks

Single lever handle

FINISH	STOCK NO	EACH
Arctic Stainless	DE978ARDST	674.04
Venetian Bronze	DE978RBDST	733.64



Trinsic
9159-DST
- 15 11/16" High-arc spout
- 1 or 3 hole 8" Installation
- MagnaTite® pull-down swivels 360°
- Soft, rubber Touch-Clean® spray holes
- DIAMOND™ seal technology
- Includes integrated InnoFlex® PEX supply lines

Single lever handle
Less Escutcheon Plate, see model RP64070 below

FINISH	STOCK NO	EACH
Chrome	DE9159DST	668.97
Arctic Stainless	DE9159ARDST	821.46



ESSA
9113-DST
- 15 1/4" High-arc spout
- 1 or 3 hole 8" Installation
- Spout swivels 360°
- DIAMOND seal technology

Single lever handle • Optional Escutcheon Included

FINISH	STOCK NO	EACH
Chrome	DE9113DST	448.65
Arctic Stainless	DE9113ARDST	494.07
Venetian Bronze	DE9113RBDST	658.45
Matte Black	DE9113BLDST	509.87



Trinsic Touch2O
9159T-DST
- Touch2O Technology
- TempSense LED light
- 6 AA Included
- MagnaTite Docking
- Pull-Down Spray
- 15 11/16" Spout Height
- DIAMOND Seal Technology

Single lever handle • 1 or 3-hole 6" or 8" installation

FINISH	STOCK NO	EACH
Chrome	DE9159TDST	990.90
Arctic Stainless	DE9159TARDST	1094.99
Matte Black	DE9159TBLDST	1097.24



CORANTO
9179-DST
- 15 7/8" High-arc spout
- 1 or 3 hole 8" Installation
- ShieldSpray Technology
- MagnaTite® pull-down swivels 360°
- Soft, rubber Touch-Clean® spray holes
- DIAMOND™ Seal Technology
- Includes integrated InnoFlex® PEX supply lines

FINISH	STOCK NO	EACH
Chrome	DE9179DST	493.47
Arctic Stainless	DE9179ARDST	539.04
Venetian Bronze	DE9179RBDST	718.29
Matte Black	DE9179BLDST	539.04



Contemporary Wall Mount Pot Filler
1165LF-BL
- Dual shut off
- 24" dual swing joints
- Single hole installation
- DIAMOND Seal Technology
- 8 1/8" H x 2 19/16" D x 2 1/8" W

FINISH	STOCK NO	EACH
Matte Black	DE1165LFBL	1035.50

Two-Handle Laundry Faucets

Classic
2131-LF
- 2-hole or 3-hole installation
- 4" centerset
- 5⅝" spout with 360° swing

With Hose Thread



FINISH	STOCK NO	EACH
Chrome	DE2131LF	121.64

Classic
2133-LF
- 2-hole or 3-hole installation
- 4" centerset
- 6¹³⁄₃₂" long, 3³¹⁄₃₂" high swing spout 360°

With Areator



FINISH	STOCK NO	EACH
Chrome	DE2133LF	121.64

Bar/Prep Faucets

Coranato®
9979-RB-DST
- 14⅜" High-arc spout
- 3-function wand
- ADA Compliant
- 1 or 3 hole 8" Installation
- MagnaTite® pull-down swivels 360°
- Soft, rubber Touch-Clean® spray holes
- DIAMOND™ Seal Technology
- ⅜" O.D. straight, staggered PEX supply lines



FINISH	STOCK NO	EACH
Venetian Bronze	DE9979RBDST	716.99

ESSA
9913-DST
- 15¾" High-arc spout
- ADA Compliant
- 1 or 3 hole 8" Installation
- MagnaTite® pull-down swivels 360°
- Soft, rubber Touch-Clean® spray holes
- DIAMOND™ Seal Technology
- Includes integrated InnoFlex® PEX supply lines



FINISH	STOCK NO	EACH
Chrome	DE9913DST	447.54
Arctic Stainless	DE9913ARDST	492.95
Matte Black	DE9913BLDST	508.65
Venetian Bronze	DE9913RBDST	657.22

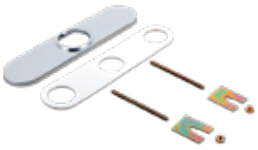
Escutcheaon Plates

RP70714
For Model 9113-DST



FINISH	STOCK NO	EACH
Chrome	DERP70714	83.11
Arctic Stainless	DERP70714AR	103.98

RP64070
For Model 9159-DST



FINISH	STOCK NO	EACH
Arctic Stainless	DERP64070AR	221.49

Two-Handle Kitchen Faucets

Classic
2100-LF
- 8" centerset
- 8" long swing spout

Metal blade handles



FINISH	STOCK NO	EACH
Chrome	DE2100LF	153.18

Classic
2402-LF
- 8" centerset
- 9" long swing spout swings 360°
- With hose and spray
- Red/blue handle indicators

Clear knob handles



FINISH	STOCK NO	EACH
Chrome	DE2402LF	186.14

Service Sink Fitting

Commercial
28T9
- Two Handle Wall-Mount
- Centers adjustable from 7¾" to 8¼"
- 8" long vacuum breaker spout
- Cast brass body
- Includes integral stops



FINISH	STOCK NO	EACH
Rough Chrome	DE28T9	267.64

Speciality Faucets

Classic
2302-LF
- Single hole installation
- 4¼" long rigid spout
- 1/4 turn handle stop



FINISH	STOCK NO	EACH
Chrome	DE2302LF	118.60

Commercial
710LF-HDF
- Two hole installation
- ⅜" O.D. straight copper supplies
- 5" long, 10" fixed spout
- Red/blue handle indicators



FINISH	STOCK NO	EACH
Chrome	DE710LFHDF	383.62

Traditional Beverage
1960-DST
- 1-hole installation
- ⅜" compression fittings
- 9½" Height, spout swings 360°
- Diamond Seal Technology

Single lever handle



FINISH	STOCK NO	EACH
Chrome	DE1960DST	379.66
Arctic Stainless	DE1960ARDST	456.22
Venetian Bronze	DE1960RBDST	532.16
Matte Black	DE1960BLDST	456.42

Contemporary Beverage
1930-CZ-DST
- 1-hole installation
- ⅜" compression fittings
- 9½" Height, spout swings 360°
- Diamond Seal Technology

Single lever handle



FINISH	STOCK NO	EACH
Champagne Bronze	DE1930CZDST	547.13

Delta Parts and Accessories (21)

deltafaucet.com

RP70

Ball assembly for chrome handles.



STOCK NO	EACH
DERP70	41.45

RP212

Ball assembly for crystal handles.



STOCK NO	EACH
DERP212	42.74

RP61

Cam assembly for faucets with chrome handle. Contains one cam and packing.



STOCK NO	EACH
DERP61	13.38

RP25

"O" Rings - All single handle kitchen faucets. Contains two large "O" Rings.



STOCK NO	EACH
DERP25	18.71

RP4993

Contains two seats and spring



STOCK NO	EACH
DERP4993	13.38

RP50

Cap assembly for all single handle faucets.



STOCK NO	EACH
DERP50	50.95

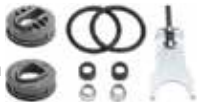
Metal Lever Handle Kit In Chrome



SIZE	STOCK NO	EACH
3 3/16"	DERP90	49.87
4 5/8"	DERP2393	47.86

RP3614

Repair kit for single handle faucets. Contains two large and small "O" rings; one cam and packing; two seats and springs and one wrench.



STOCK NO	EACH
DERP3614	30.23

RP24096

Stem Unit Assembly.



STOCK NO	EACH
DERP24096	55.49

RP1740

Stem Unit Assembly for two handle and basin faucets.



STOCK NO	EACH
DERP1740	30.73

RP1991

Stem unit for 1600 tub/shower series.



STOCK NO	EACH
DERP1991	92.68

RP50587

Diamond Ceramic Cartridge.



STOCK NO	EACH
DERP50587	102.25

RP46074

Replacement Cartridge for 1300/1400 series.



STOCK NO	EACH
DERP46074	157.02

RP46463

Replacement Cartridge for 1700/1800 series.



STOCK NO	EACH
DERP46463	204.30

RP32104 - Prior to 2005

Monitor 17 Series valve cartridge assembly.



STOCK NO	EACH
DERP32104	204.30

RP19804 - Prior to 2005

Monitor 1300/1400 Series valve cartridge assembly.



STOCK NO	EACH
DERP19804	164.93

RP60400

DIAMOND™ Valve - 2 Handle



STOCK NO	EACH
DERP60400	61.88

RP51919

6-Setting Diverter Cartridge



STOCK NO	EACH
DERP51919	316.76

RP63136

Diverter Assembly



STOCK NO	EACH
DERP63136	25.26

Diverter Tub Spout

With shower ½" & ¾" hose connector.



FINISH	STOCK NO	EACH
Chrome	DEU1010PK	136.47

RP17453 Spout

Standard diverter, Non-metallic, For ½" C.W.T. or ½" I.P.S., 5¼" long, Pull down divert.



STOCK NO	EACH
DERP17453	69.88

RP19895 Spout

Standard diverter, Non-metallic, For ½" I.P.S., 4½" long, Pull up divert.



STOCK NO	EACH
DERP19895	81.84

(16)

RP36497 Spout

Standard diverter, Metal, Slip onto ½" C.W.T., 7" long, Pull up divert.



STOCK NO	EACH
DERP36497	97.08

(16)

RP36498 Spout

Standard non-diverter, Metal, Slip onto ½" C.W.T., 7" long.



STOCK NO	EACH
DERP36498	94.14

(16)

Delta Classic Tub Spout

Pull up Diverter



FINISH	STOCK NO	EACH
Chrome	DERP101727PC	95.30

Sioux Chief Fittings (18)

Tub Spout

Connection - ½" FIP at nose end.



FINISH	STOCK NO	EACH
Chrome	SC97210	13.65

Diverter Tub Spout

Chrome plated die-cast, front diverter



CONNECTION	STOCK NO	EACH
½" FIP nose end		
Chrome	SC97215	25.14
Slip to ⅝" OD with 1⅜" adjustment		
Chrome	SC97235	32.44



Supply Elbow
for ½" IPS

FINISH	STOCK NO	EACH
Chrome	DEU4980PK	70.43
Venetian Bronze	DEU4980RBPK	123.24
Brilliance Stainless	DEU4980SSPK	117.59



Supply Elbow
for ½" IPS

FINISH	STOCK NO	EACH
Chrome	DE50560PR	98.25
Venetian Bronze	DE50560RB	131.61
Stainless	DE50560SS	114.03
Matte Black	DE50560BL	114.03



UltraFlex Shower Hose

FINISH	SIZE	STOCK NO	EACH
Chrome	70"	DEU490R70PK	55.70



Stretchable Hose
Extendible Stainless Steel hose with Brass Nuts

FINISH	SIZE	STOCK NO	EACH
Chrome	60"-82"	DEU495D60PK	69.67
Chrome	69"-92"	DEU495D69PK	69.16



RP557
C.P. Shower Plate with Screws

SIZE	STOCK NO	EACH
8⅛" x 13"	DERP29827	98.87



3-Way Diverter
Flip Lever • Showerhead

FINISH	STOCK NO	EACH
Chrome	DEU4929PK	83.57
Brilliance Stainless	DEU4929SSPK	114.51



U4920-PK
3-Way Shower Arm Diverter with Hand Shower Mount
- Brass Construction
- ADA Flip Lever Control

FINISH	STOCK NO	EACH
Chrome	DEU4920PK	96.84



Ceiling Mount Shower Arm and Flange
- 6" Long
- 2½" Diameter Flange
- ½" IPS Threads
- Lifetime Faucet and Finish Warranty

FINISH	STOCK NO	EACH
Chrome	DERP61058	110.12
Venetian Bronze	DERP61058RB	290.01
Brilliance Stainless	DERP61058SS	156.51
Matte Black	DERP61058BL	156.51



Square Supply Elbow
for ½" IPS

FINISH	STOCK NO	EACH
Black Stainless	DE50570KSPR	147.39



Volume Control
U4760-PK
- Brass Construction
- Trickle Feature

FINISH	STOCK NO	EACH
Chrome	DEU4760PK	53.62



Vacuum Breaker

FINISH	STOCK NO	EACH
Chrome	DEU4900PK	49.46



Wall Mounts
Ready to mount

FINISH	STOCK NO	EACH
Chrome	DEU9501PK	55.80
Chrome	DEU4005PK	76.67
Brilliance Stainless	DEU4005SSPK	99.72



Swivel connector for hand showers

FINISH	STOCK NO	EACH
Chrome	DEU4002PK	29.39



Deluxe all metal swivel connector for hand showers

FINISH	STOCK NO	EACH
Chrome	DEU5002PK	52.72



Shower Arm Mounts

DESCRIPTION	STOCK NO	EACH
Chrome, w/o pin	DEU3401PK	26.69
Chrome, w/pin	DEU4301PK	40.96



Bonnet

FINISH	STOCK NO	EACH
Chrome	DERP22734	23.46

Shower Heads



52653-PK
Shower Head
- Single Setting Shower Head
- 2¼" Spray Face Diameter

FINISH	STOCK NO	EACH
Chrome	DE52653PK	39.83



Raincan Showerhead
- Full Body Spray Setting
- Touch Clean spray holes
- 5⅛" spray surface

FINISH	STOCK NO	EACH
Chrome	DERP51305	127.08
Venetian Bronze	DERP51305RB	190.80
Brilliance Stainless	DERP51305SS	172.04



Raincan Showerhead
- Soft Rain Spray Setting
- Rigid spout does not swivel
- 8" square

FINISH	STOCK NO	EACH
Matte Black	DERP50841BL	279.18

Hand Sets



59584-SS-PR-PK
7-Setting Hand Shower only

FINISH	STOCK NO	EACH
Stainless	DE59584SSPRPK	169.87



59436-PK
5-Setting Hand Shower only

FINISH	STOCK NO	EACH
Chrome	DE59436PK	109.22



Full Spray with Push Button

FINISH	STOCK NO	EACH
White	DE59462WHBPK	45.68



Full Spray

FINISH	STOCK NO	EACH
White	DE59462WHPK	45.54

Pull-Out/Pull-Down & Single-Handle Sink Fittings



P188103LF
Tunbridge
Single-Handle Pull-Down
- Integrated handle
- Swivels 360 degrees
- 2-function, pull-down sprayer
- 1 or 3-hole sink applications
- Optional escutcheon, 1.5 gpm @ 60 psi
- ½"-14 NPSM threaded male inlet adapters

FINISH	STOCK NO	EACH
Chrome	DEP188103LF	324.11
Stainless	DEP188103LFSS	420.30



RP44479
Saop/Lotion Dispenser
1-hole installation

FINISH	STOCK NO	EACH
Chrome	DERP44479	34.74



P18550LF
CHOICE Single-Handel Pull-Out
- 2-function, pull-out sprayer
- 1 or 3-hole sink applications
- Optional escutcheon
- 1.8 gpm flow rate
- ½" IPS connection

FINISH	STOCK NO	EACH
Chrome	DEP18550LF	235.36



P110LF
CORE Single-Handle
- 3-hole sink application
- Spout swivels 360°
- 1.8 gpm flow rate
- ½" IPS connection

FINISH	STOCK NO	EACH
Chrome	DEP110LF	87.33



P115LF
CORE Single-Handle
- Side spray
- 4-hole sink application
- Spout swivels 360°
- 1.8 gpm flow rate
- ½" IPS connection

FINISH	STOCK NO	EACH
Chrome	DEP115LF	109.46

Single-Handle Lavatory Fittings



P131LF
CORE Single-Handle Lever
- No pop-up
- 4" Centerset
- 3-hole sink application
- 1.5 gpm flow rate
- ½" IPS connection

FINISH	STOCK NO	EACH
Chrome	DEP131LF	81.35



P136LF-M
CORE Single-Handle Lever
- Metal pop-up
- 4" Centerset
- 3-hole sink application
- 1.5 gpm flow rate
- ½" IPS connection

FINISH	STOCK NO	EACH
Chrome	DEP136LFM	109.50

PEERLESS®

Tub & Shower Fittings



PTT188763
CHOICE Shower Only Trim
- Touch-Clean® full spray showerhead
- Fits Delta R10000 Universal Valves
- Includes Delta 13-Series PB cartridge
- 1.5 gpm flow rate from showerhead

R10000 Valves Sold Separately (see page 316)

FINISH	STOCK NO	EACH
Chrome	DEPTT188763	116.90



PTT188773
CHOICE Tub & Shower Trim
- Touch-Clean® full spray showerhead
- Fits Delta R10000 Universal Valves
- Includes Delta 13-Series PB cartridge
- 1.5 gpm flow rate from showerhead
- Slip-on tub spout

R10000 Valves Sold Separately (see page 316)

FINISH	STOCK NO	EACH
Chrome	DEPTT188773	139.02



R10000 Universal Valves
Page 316

Two-Handle Laundry Faucet



P299232
CHOICE Two-Handle Laundry
- 4" centerset
- 3-hole sink application
- Threaded spout end
- ½" IPS connection

FINISH	STOCK NO	EACH
Chrome	DEP299232	84.59

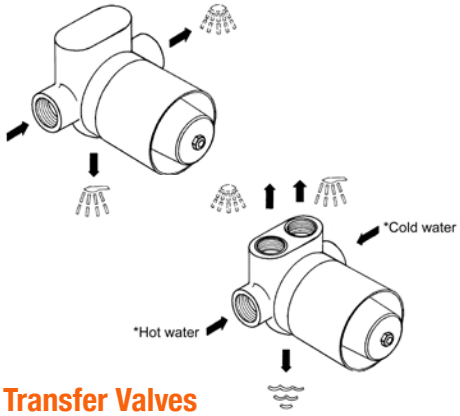
Roman Tub Fillers



Eurocube

- 8 12/19" Spout Reach
- 1/2" Ceramic Cartridges
- GROHE SilkMove Ceramic Cartridge

FINISH	STOCK NO	EACH
Chrome	GR117982	825.43



Transfer Valves

SIZE	STOCK NO	EACH
3-Port Diverter/Transfer Valve		
1/2" NPT Female	GR29712000	288.14
5-Port Diverter/Transfer Valve		
1/2" NPT Female	GR29714000	298.31



Pressure Balance Valve

Tub & Shower Valve with push-button diverter

DESCRIPTION	STOCK NO	EACH
Tub & Shower	GR35016000	235.59



GroheFlex Universal Pressure Balance Valve

Pressure Balance and Thermostatic Rough-In

DESCRIPTION	STOCK NO	EACH
Universal	GR35026000	176.27



Volume Control Rough-In Valve

NPT Connections.

SIZE	STOCK NO	EACH
1/2"	GR29273000	92.37



Wall Union

1/2" NPT Connections.

FINISH	STOCK NO	EACH
Chrome	GR28627000	99.16
Brushed Nickel	GR28627EN0	133.06



Concetto
Centerset Lavatory
- 7 5/16" Faucet Height
- 3 15/16" Swivel Spout Reach
- GROHE SilkMove Ceramic Cartridge
- Single Lever Handle
- Stainless Steel Braided Flexible Supplies

FINISH	STOCK NO	EACH
Chrome	*GR3427000A*	*227.64*



Escutcheon Plates
Euro 6" Escutcheon Plate

FINISH	STOCK NO	EACH
Chrome	*GR07551000*	*29.69*



Escutcheon Plates
Euro 10" Escutcheon Plate

FINISH	STOCK NO	EACH
Chrome	*GR07552000*	*49.49*
Real Steel	*GR07552SD0*	*63.88*

Replacement Cartridges (21)

Pressure Balanced
Cartridges

FOR USE WITH	STOCK NO	EACH
35 015/016	*GR47678000*	*181.12*
35 250	*GR47157000*	*155.66*

Pressure Balanced
Check Inserts

FOR USE WITH	STOCK NO	EACH
35 015/016	*GR47687000*	*81.27*
35 250	*GR47158000*	*89.40*

Reserved

Reserved

Reserved



Chateau Faucet
One-handle Kitchen
- 8½" Spout Height 9⅛" Length
- Three hole application
- Mounts on Sink or Countertop
- ⅜" Compression connection
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Chrome	*MO67425*	*175.77*



Chateau Faucet
One-handle Kitchen with side spray
- 8½" Spout Height 9⅛" Length
- Four hole application
- Mounts on Sink or Countertop
- ⅜" Compression connection
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Chrome	*MO67430*	*220.98*
Spot Resist™		
Stainless	*MO7430SRS*	*282.03*



Chateau Faucet
One-handle Kitchen with side spray in deck
- 8½" Spout Height 9⅛" Length
- Three hole application
- Mounts on Sink or Countertop
- ⅜" Compression connection
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Chrome	*MO67434*	*220.98*



Sleek Faucet
One-handle Kitchen with pulldown hose
- 15.96" Spout Height 7.63" Reach
- Reflex™ pulldown system offers smoother operation, easy movement and secure docking
- PowerBoost™ Spray Technology
- Duralock™ quick connect installation
- Metal construction with various finishes identified by suffix
- Pulldown spray with 68" braided hose
- High arc spout provides height and reach to fill or clean large pots while pullout wand provides the maneuverability for cleaning or rinsing
- 360° rotating spout
- Flexible supply lines with 3/8" compression
- limited lifetime warranty

FINISH	STOCK NO	EACH
Chrome	*MO7864*	*424.75*
Spot Resist™		
Stainless	*MO7864SRS*	*530.96*



Align Spring Pulldown Faucet
One-handle Kitchen
- 22½" Spout Height 10" Length
- Power Clean™ spray technology
- Pulldown hose retracts with ease
- Duralock™ quick connect system
- One or three hole application
- Mounts on Sink or Countertop
- ⅜" Compression connection
- Limited Lifetime Warranty

Optional Deckplate Sold Separately

FINISH	STOCK NO	EACH
Chrome	*MO5923*	*688.41*
Matte Black	*MO5923BL*	*894.90*
Spot Resist™		
Stainless	*MO5923SRS*	*860.42*



Align High Arc Pulldown Faucet
One-handle Kitchen
- 15⅝" Spout Height 7¹⁷⁄₃₂" Length
- Power Clean™ spray technology
- Pulldown hose retracts with ease
- Reflex system for smooth operation, easy movement and secure docking of the spray head
- Duralock™ quick connect system
- One or three hole application
- Mounts on Sink or Countertop
- ⅜" Compression connection
- Limited Lifetime Warranty

Optional Deckplate Sold Separately

FINISH	STOCK NO	EACH
Chrome	*MO7565*	*597.98*
Matte Black	*MO7565BL*	*777.40*
Spot Resist™		
Stainless	*MO7565SRS*	*747.48*



Sleek Faucet with MotionSense Wave
One-handle Kitchen with pulldown hose
- 15⁹⁄₁₆" Spout Height 7⅝" Length
- Single sensor touchless activation
- Power Clean™ spray technology
- Pulldown hose retracts with ease
- Reflex system for smooth operation, easy movement and secure docking of the spray head
- Duralock™ quick connect system
- One or three hole application, deckplate included
- Mounts on Sink or Countertop
- ⅜" Compression connection
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Spot Resist™		
Stainless	*MO7864EWSRS*	*732.70*



Air Gaps
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Chrome	*MO105895*	*31.79*
Matte Black	*MO105895BL*	*43.54*
Oil Rubbed Bronze	*MO105895ORB*	*45.87*
Spot Resist Stainless	*MO105895SRS*	*43.89*



Transitional Soap Dispenser
- Top lifts off for easy refill
- 18 ounce refillable bottle
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Chrome	*MOS3946C*	*217.03*
Matte Black	*MOS3946BL*	*282.08*
Oil Rubbed Bronze	*MOS3946ORB*	*303.80*
Spot Resist Stainless	*MOS3946SRS*	*271.26*

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Moen Lavatory Fittings (16)

moen.com



Glyde Faucet

Two-handle Lavatory

- 5⅞" Faucet Height
- 4" Centerset - Three hole application
- Meets EPA WaterSense® criteria
- ½" IPS connection
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Chrome	MO66172	201.49



Eva Faucet

Two-handle Lavatory

- 6³⁄₁₆" Faucet Height
- 4" Centerset - Three hole application
- Meets EPA WaterSense® criteria
- ½" IPS connection
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Chrome	MO66410	201.49
Brushed Nickel	MO6410BN	301.73
Oil Rub Bronze	MO6410ORB	324.11



Brantford Faucet

Two-handle Lavatory

- 5" Faucet Height
- 4" Centerset - Three hole application
- Meets EPA WaterSense® criteria
- ½" IPS connection
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Chrome	MO66610	201.49



Dartmoor Faucet

Two-handle Lavatory

- 6¹⁄₁₆" Faucet Height
- 4" Centerset - Three hole application
- Meets EPA WaterSense® criteria
- ½" IPS connection
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Chrome	MO66802	201.49

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Genta Faucet

One-handle Lavatory

- 7¹³⁄₃₂" Height (8¹⁵⁄₃₂" handle up)
- One or Three hole application, deckplate included
- Meets EPA WaterSense® criteria
- ⅜" Compression connection
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Chrome	MO6702	224.52



Vichy Faucet

One-handle Lavatory

- 6²⁷⁄₃₂" Height (8¹⁄₁₆" handle up)
- One hole application
- Meets EPA WaterSense® criteria
- ⅜" Compression connection
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Chrome	MO6710	283.50



Chateau Faucet

One-handle Lavatory

- Chrome 5¾" Height off position
- 4" Centerset - Three hole application
- Meets EPA WaterSense® criteria
- ½" IPS connection
- Limited Lifetime Warranty

DESCRIPTION	STOCK NO	EACH
Assembly Not Included	MOL64600	156.79
50/50 Waste Assembly	MOL64621	192.69
Metal Waste Assembly	MOL64620	204.47



1200 1222 1224 1225 1255 1234

(21)

Moen Replacement Cartridges

DESCRIPTION	STOCK NO	EACH
Single-Handle Brass	MO1200	78.44
Single-Handle Posi-Temp	MO1222	130.90
Two-Handle Hot/Cold	MO1224	25.69
Single-Handle	MO1225	49.44
Single-Handle Duralast	MO1255	50.58
Two-Handle Duralast	MO1234	24.89



(21)

Moen Cartridge Puller

For MO1200, MO1222 & MO1225 Single-Handles

STOCK NO	EACH
MO104421	81.24



Belfield Faucet

Two-handle Lavatory

- 6⁵⁄₁₆" Faucet Height
- 4¹³⁄₁₆" Spout Reach
- 4" Centerset - Three hole application
- Meets EPA WaterSense® criteria
- ½" IPS connection
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Chrome	MO6401	387.59
Brushed Nickel	MO6401BN	503.87
Oil Rub Bronze	MO6401ORB	561.99



Belfield Faucet

One-handle Lavatory

- 9½" Faucet Height
- 5½" Spout Reach
- One or three hole application, deckplate included
- Meets EPA WaterSense® criteria
- ⅜" Compression connection
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Chrome	MO6402	377.37
Brushed Nickel	MO6402BN	490.56
Oil Rub Bronze	MO6402ORB	528.32



Voss Faucet

Two-handle Lavatory

- 6³⁄₁₆" Faucet Height
- 5⅜" Spout Reach
- 4" Centerset - Three hole application
- Meets EPA WaterSense® criteria
- ½" IPS connection
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Chrome	MO6901	361.67
Brushed Nickel	MO6901BN	478.71
Oil Rub Bronze	MO6901ORB	514.20



Voss Faucet

One-handle Lavatory

- 7¹¹⁄₁₆" Faucet Height
- 4¹¹⁄₁₆" Spout Reach
- One or three hole application, deckplate included
- Meets EPA WaterSense® criteria
- ⅜" Compression connection
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Chrome	MO6903	363.89
Brushed Nickel	MO6903BN	481.65
Oil Rub Bronze	MO6903ORB	517.33



Voss Tub/Shower

Standard - One function

- Lever style handle
- 4 1/16" diameter spray head
- 7 3/4" tub spout length
- Posi-Temp control valve sold separately
- Slip fit tub spout
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Tub & Shower		
Chrome	MOT2693	288.91
Brushed Nickel	MOT2693BN	524.93
Oil Rubbed Bronze	MOT2693ORB	577.68
Shower Only		
Chrome	MOT2692	227.06
Brushed Nickel	MOT2692BN	413.01
Oil Rubbed Bronze	MOT2692ORB	454.21



Glyde Tub/Shower

Standard - One function

- Lever style handle
- 3 3/4" diameter spray head
- 7" tub spout length
- Posi-Temp control valve sold separately
- Slip fit tub spout
- Limited Lifetime Warranty

TRIM	FINISH	STOCK NO	EACH
Tub/Shower	Chrome	MOT2743	140.24
Shower Only	Chrome	MOT2742	96.39



Glyde Tub/Shower

Rainshower - One function

- Lever style handle
- 8" diameter spray head
- 7" tub spout length
- Posi-Temp control valve sold separately
- Slip fit tub spout
- Meets EPA WaterSense® criteria
- Limited Lifetime Warranty

TRIM	FINISH	STOCK NO	EACH
Tub/Shower	Chrome	MOT2843EP	192.98
Shower Only	Chrome	MOT2842EP	150.00



Eva Tub/Shower

Standard - One function

- Lever style handle
- 3 3/8" diameter spray head
- 7" tub spout length
- Posi-Temp control valve sold separately
- Slip fit tub spout
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Tub & Shower		
Chrome	MOT2133	140.24
Brushed Nickel	MOT2133BN	273.58
Oil Rubbed Bronze	MOT2133ORB	300.97
Shower Only		
Chrome	MOT2132	96.39
Brushed Nickel	MOT2132BN	207.41
Oil Rubbed Bronze	MOT2132ORB	228.07



Eva Tub/Shower

Rainshower - One function

- Lever style handle
- 8" diameter spray head
- 7" tub spout length
- Posi-Temp control valve sold separately
- Slip fit tub spout
- Meets EPA WaterSense® criteria
- Limited Lifetime Warranty

TRIM	FINISH	STOCK NO	EACH
Tub/Shower	Chrome	MOT2233EP	192.98
Shower Only	Chrome	MOT2232EP	150.00



Vichy Tub/Shower

Eco-performance - One function

- Lever style handle
- 3 3/4" diameter spray head
- 6" tub spout length
- Posi-Temp control valve sold separately
- Slip fit tub spout
- Meets EPA WaterSense® criteria
- Limited Lifetime Warranty

TRIM	FINISH	STOCK NO	EACH
Tub/Shower	Chrome	MOT2663EP	117.86
Shower Only	Chrome	MOT2662EP	78.22



Belfield Tub/Shower

Standard - One function

- Lever style handle
- 7" diameter spray head
- 7 3/4" tub spout length
- Posi-Temp control valve sold separately
- Slip fit tub spout
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Tub & Shower		
Chrome	MOT2313	289.89
Brushed Nickel	MOT2313BN	526.96
Oil Rubbed Bronze	MOT2313ORB	580.01
Shower Only		
Chrome	MOT2312	227.96
Brushed Nickel	MOT2312BN	414.67
Oil Rubbed Bronze	MOT2312ORB	455.88



Brantford Tub/Shower

Standard - One function

- Lever style handle
- 3 3/8" diameter spray head
- 6 1/2" tub spout length
- Posi-Temp control valve sold separately
- Slip fit tub spout
- Limited Lifetime Warranty

TRIM	FINISH	STOCK NO	EACH
Tub/Shower	Chrome	MOT2153	140.24
Shower Only	Chrome	MOT2152	96.39



Brantford Tub/Shower

Rainshower - One function

- Lever style handle
- 8" diameter spray head
- 6 1/2" tub spout length
- Posi-Temp control valve sold separately
- Slip fit tub spout
- Meets EPA WaterSense® criteria
- Limited Lifetime Warranty

TRIM	FINISH	STOCK NO	EACH
Tub/Shower	Chrome	MOT2253EP	192.98
Shower Only	Chrome	MOT2252EP	150.00

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Genta Tub/Shower

Eco-performance - Three function

- Lever style handle
- 3¾" diameter spray head
- 7" tub spout length
- Posi-Temp control valve sold separately
- Slip fit tub spout
- Meets EPA WaterSense® criteria
- Limited Lifetime Warranty

TRIM	FINISH	STOCK NO	EACH
Tub/Shower	Chrome	MOT2473EP	112.90
Shower Only	Chrome	MOT2472EP	75.03



Dartmoor Tub/Shower

Standard - One function

- Lever style handle
- 4" diameter spray head
- 7" tub spout length
- Posi-Temp control valve sold separately
- Slip fit tub spout
- Limited Lifetime Warranty

TRIM	FINISH	STOCK NO	EACH
Tub/Shower	Chrome	MOT2183	140.24
Shower Only	Chrome	MOT2182	96.39

Eco-performance - One function

- Meets EPA WaterSense® criteria

TRIM	FINISH	STOCK NO	EACH
Tub/Shower	Chrome	MOT2183EP	120.43
Shower Only	Chrome	MOT2182EP	79.93



Chateau Tub/Shower

Standard - One function

- Lever style handle
- 2 ½" diameter spray head
- 5 ½" tub spout length
- Posi-Temp control valve sold separately
- Slip fit tub spout
- Limited Lifetime Warranty

TRIM	FINISH	STOCK NO	EACH
Tub/Shower	Chrome	MOTL183	82.27
Shower Only	Chrome	MOTL182	50.68

Eco-performance - One function

- Meets EPA WaterSense® criteria

TRIM	FINISH	STOCK NO	EACH
Tub/Shower	Chrome	MOTL183EP	82.27
Shower Only	Chrome	MOTL182EP	50.68

Moen Valves



Posi-Temp Pressure-Balancing Valve

- Built on the Moen M–PACT common valve system, allowing you to update the faucet style without replacing any plumbing
- Connection: ½" CPVC with four ports
- Valve meets ASSE performance requirements

CONSTRUCTION	STOCK NO	EACH
Brass	MO62340	166.31



Widespread Lav Rough-in Valve

- Duralock quick connect system
- Connection: ½" IPS
- Includes pop-up waste assembly

For 3-hole faucets with 8" - 16" Centers

CONSTRUCTION	STOCK NO	EACH
Brass	MO9000	167.47



Eco-Performance Handshower

- 5½" diameter spray head
- 6 Function: rinse, invigorating spray, wide coverage, downpour, massage, and relaxing massage
- 59" Hose Length
- Magnetix docking system
- Meets EPA WaterSense® criteria
- Limited Lifetime Warranty

FINISH	STOCK NO	EACH
Handshower		
Chrome	MO3662EP	231.71
Brushed Nickel	MO3662EPBN	314.13
Oil Rubbed Bronze	MO3662EPORB	395.23



Posi-Temp Pressure-Balancing Valve

- Built on the Moen M–PACT common valve system, allowing you to update the faucet style without replacing any plumbing
- Connection: ½" CC with four ports
- Valve meets ASSE performance requirements

CONSTRUCTION	STOCK NO	EACH
Brass	MO62320	149.90



Posi-Temp Pressure-Balancing Valve with ¼ Turn Stops

- Built on the Moen M–PACT common valve system, allowing you to update the faucet style without replacing any plumbing
- Connection: ½" CC with four ports
- Valve meets ASSE performance requirements

CONSTRUCTION	STOCK NO	EACH
Brass	MO62370	182.25



MO62380 MO62360

Posi-Temp Pressure-Balancing Valve

- Built on the Moen M–PACT common valve system, allowing you to update the faucet style without replacing any plumbing
- Connection: ½" crimp ring PEX with four ports
- Valve meets ASSE performance requirements

CONSTRUCTION	STOCK NO	EACH
Brass No Stops	MO62380	149.90
Brass 1/4 Turn Stops	MO62360	182.25



MO62365 MO62385

Posi-Temp Pressure-Balancing Valve with F1960 Cold Expansion Pex

- Built on the Moen M–PACT common valve system, allowing you to update the faucet style without replacing any plumbing
- Connection: ½" cold exp. PEX with four ports
- Valve meets ASSE performance requirements

CONSTRUCTION	STOCK NO	EACH
Brass No Stops	MO62365	149.90
Brass 1/4 Turn Stops	MO62385	182.25



Braxton Utility Shower

Chrome plated brass body. ½" union inlets are combination threaded or sweat connection. 24" galvanized riser, shower head and soap dish. Valve is reversible for top inlet.

STOCK NO	EACH
US	*106.97*



LTF



LTFCS

Braxton Claw foot tub Faucet

Cast brass with deluxe chrome plating. Renewable seats. 3⅜" centers.

STOCK NO	EACH
Regular	
LTF	*72.15*
with Code Approved Spout	
LTFCS	*77.45*

For Bath Faucet Coupling see page 411

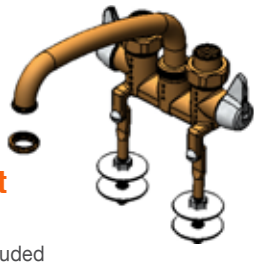
Drinking Water Faucet



Drinking Water Faucet

Bar and sink faucet with plastic handle; press down for easy flow, lift for continuous flow. ½" minimum, 1⅞" maximum hole required.

STOCK NO	EACH
DWF	*50.90*



44 Series Laundry Faucet

- Cast brass body
- 8" tube spout
- Threaded legs included

STOCK NO	EACH
C-N-I Fitz-All Union Supplies ½" NPT	
UB44	*123.65*
½" Female Direct Sweat	
UB44DS	*106.77*



47 Series Shell Type Laundry Faucet

- Garden hose adapter
- 8" tube spout
- Metal handles
- 4" centers
- Washer-type
- Renew valves and seats

STOCK NO	EACH
UB47	*119.27*

Chicago Faucet Lavatory Fittings (49)

chicagofaucets.com

No. 802V



- 4" centers
- 4" spout
- 390 handles
- E12VP aerator

STOCK NO	EACH
CF802VABCP	322.91

No. 802A-665



- 4" centers
- Self-closing metering
- 4" spout
- 665 MVP metering valve and handle
- E12 aerator
- Color coded index

STOCK NO	EACH
CF802665ABCP	237.25

No. 404V



- 8" centers
- 5" spout
- 390 handles
- E12VP aerator

STOCK NO	EACH
CF404VABCP	625.45

No. 420



- 4" centers
- 4⅝" spout
- Metal lever handle
- 1.5 GPM
- LESS pop-up.

STOCK NO	EACH
CF420ABCP	133.38
Built-in ASSE 1070 certified scald protection	
CF420T45E2805ABCP	268.70

Hands-Free Infrared Detection



EQ Curved Series

Concealed Mechanical Mixing Valve

- Hands-Free Infrared Detection
- Single hole Lavatory
- Powered by 4 "AA" Alkaline Batteries (Included)

FINISH	STOCK NO	EACH
Concealed Mechanical Mixing Valve		
Chrome	CFEQA11A12ABCP	941.11
Concealed Thermostatic Mixing Valve		
Chrome	CFEQA11A13ABCP	515.44



Cover Plate

For EQ Curved Series

SIZE	STOCK NO	EACH
4"	CFEQA12KJKCP	53.72
8"	CFEQA13KJKCP	93.96

No. 2200-4



- Single lavatory fitting
- Soft closing valve
- Adjustable limit stop
- Integral flow control
- ⅜" copper tube
- E12 aerator

STOCK NO	EACH
CF22004ABCP	690.29

No. 333-665PSH



- Single lavatory fitting
- Self-closing metering
- 665 MVP metering valve and handle
- E12 aerator

STOCK NO	EACH
CF333665PSHABCP	140.18

No. 327A



Non-removable strainer

TAILPIECE LENGTH	STOCK NO	EACH
1¼"	CF327XCP	23.65
1½"	CF327X112TPCP	142.97



No 1102
- 8" centers
- L8 8" spout
- 1000 handles
- E3 aerator
- Hose and spray

STOCK NO	EACH
CF1102ABCP	648.91



No 1100
- 8" centers
- L8 8" spout
- 1000 handles
- E3 aerator

STOCK NO	EACH
CF1100ABCP	534.01



No 201A
- 8" centers
- L9 9½" spout
- 369 handles
- E3 aerator
- Low profile spout base

STOCK NO	EACH
CF201AABCP	454.58



2301-8ABCP Single Lever Hot and Cold Water Mixing Sink Faucet with Side Spray
- 8" Fixed Centers
- 10" Ctr to Ctr Integral Cast Brass Swing Spout
- E12AB - 2.2 GPM Aerator
- 2300-225 - 4⅝" Lever Handles
- 2300-XAB - Ceramic Volume Control and Hot Water Limit Stop Cartridge
- ⅜" Comp. Flexible Stainless Steel Supply Hoses
- Chrome Plate Finish

STOCK NO	EACH
CF23018ABCP	1004.06



No 445
- H supply arms
- Adjustable centers: 4" to 8⅜"
- 369 handles
- E3 aerator

STOCK NO	EACH
S6 6" Spout	
CF445ABCP	523.83
Less Spout	
CF445LESAB	437.09
L8 8" Spout	
CF445L8ABCP	607.61



No 540
- G supply arms
- Adjustable centers: 7¼" to 8¾"
- 369 handles
- E3 aerator

STOCK NO	EACH
S6 6" Spout with Soap Dish	
CF540ABCP	628.13
S6 6" Spout LESS Soap Dish	
CF540LDABCP	513.28
LESS Spout with Soap Dish	
CF540LDLESAB	417.09



No 886 "Quaturn" Exposed Sink Faucet
- H supply arms
- Adjustable centers 4" to 8⅜"
- L5VB 5¾" vacuum breaker swing spout
- 369 handles
- ¾" hose thread outlet

STOCK NO	EACH
CF886CP	796.12

Chicago Faucet Laundry Tray Fittings (49)



No 332
- Single inlet
- S6 6" spout
- 369 handle (indexed cold)
- E3 aerator
- ½" flanged female inlet shank

STOCK NO	EACH
CF332ABCP	349.30



No 686RCF
- Laundry tray faucet
- Supplies from above
- Clamp attachment to sink
- S6 6" spout
- E2 hose thread outlet
- ½" female inlets on 3⅜" centers

FINISH	STOCK NO	EACH
Rough chrome	CF686RCF	446.26



No 772
- S6 6" spout
- 369 handles
- E3 aerator
- Body inlets on 3⅜" centers
- W flanged female inlet shanks

FINISH	STOCK NO	EACH
Polished Chrome	CF772ABCP	483.87



(18)
20.600 Faucet Block
Molded faucet block for overhead supplies.

STOCK NO	EACH
MU20600	6.16

Chicago Faucet Pantry Fittings (49)

chicagofaucets.com



No 350
- Single hole inlet
- GN2A 5⅜" spout
- 369 handle (indexed cold)
- E3 aerator

STOCK NO	EACH
CF350ABCP	328.01



No 895
- 4" centers
- GN1A 3½" spout
- 369 handles
- E3 aerator

STOCK NO	EACH
CF895ABCP	396.16
Less Spout	
CF895LESAB	314.90



No 891
- 4" Centers
- S6 6" spout
- 369 handles
- E3 aerator

STOCK NO	EACH
CF891ABCP	414.61



No 50-E3
- Single hole inlet
- GN2A 5⅜" spout
- 369 handles
- E3 aerator

STOCK NO	EACH
CF50ABCP	461.46

Chicago Faucet Service Sink Fittings (49)



No 305-RCF
- Short Spout
- ¾" hose thread outlet
- H supply arms
- Inlets adjustable from 4" to 8⅜" centers
- 369 handles

FINISH	STOCK NO	EACH
Rough Chrome	CF305RCF	367.75

No 305-R-RCF
Same as 305 but with R integral stop arms

FINISH	STOCK NO	EACH
Rough brass	CF305RRCF	356.76



No 305-VB-RCF
Same as 305 but has spout with vacuum breaker

FINISH	STOCK NO	EACH
Rough chrome	CF305VBRCF	459.85



No 897
- Solid, cast brass valve body
- Integral supply stops
- Vacuum breaker spout
- Cast pail hook
- Wall support w/flange
- ¾" hose thread outlet
- Inlets 8" to center
- 369 handles

FINISH	STOCK NO	EACH
Polished Chrome	CF897MPCP	189.69
Rough Chrome	CF897MPRCF	154.25
With Check Stop		
Polish Chrome	CF897MPCCP	197.99



No 835
- Vacuum breaker spout
- ¾" hose thread outlet
- Pail hook with wall support
- Exposed valve for supplies from ceiling
- 633 handles
- Inlets on 6" centers with ½" female unions

FINISH	STOCK NO	EACH
Polished Chrome	CF835CP	928.04
Rough Chrome	CF835RCF	813.40

Chicago Faucet Urinal Valves (49)

chicagofaucets.com



No 733-665-PSH

Wall Mounted Straight Urinal Valve with Riser

- Straight valve
- 665 - MVP metering valve and handle
- MVP metering cartridge

STOCK NO	EACH
CF733665PSHCP	324.14



Wash Down Urinal Flush Valves

Polished C.P. • No 732-665/732-VB-665

- Adjustable MVP slow closing push-button
- Angle valve with loose wall flange
- ¾" O.D. 8" long tailpiece
- Urinal flange, spud nut and friction ring assembly
- ½" I.P.S. female inlet

STOCK NO	EACH
CF732665PSHCP	310.23
With Vacuum Breaker	
CF732VB665PSHCP	398.32

Chicago Faucet Stops (49)



No 442

- ½" female inlet and outlet angle valve
- 633 cross handle

FINISH	STOCK NO	EACH
Chrome	CF442ABCP	119.98



No 45

- ½" female inlet and outlet
- Straight valve
- 633 cross handle

FINISH	STOCK NO	EACH
Chrome	CF45ABCP	143.34



No 349
- Single hole inlet
- S6 6" spout
- 369 handle (indexed cold)
- E3 aerator

STOCK NO	EACH
CF349ABCP	337.64



No 51
- Single hole inlet
- S6 6" spout
- 369 handles
- E3 aerator

STOCK NO	EACH
CF51ABCP	483.87



No 613-A
- Adapta faucet
- Can be added to pre-rinse
- Eliminates separate faucet installation
- ⅜" top outlet
- L9 9½" spout with E1 outlet

STOCK NO	EACH
CF613AABCP	340.33



No 919L
- Deck mounted pre-rinse
- ½" female inlets with ¼" check tailpieces
- ⅜" x 23" riser
- Riser support bracket
- 36" S/S flexible hose
- 80 spray head
- 369 handles

STOCK NO	EACH
CF919XKCAB	1033.82

No 919S
Riser, hose, spring and spray assembly (all parts above faucet body) from above No 919.

STOCK NO	EACH
CF919SLABCP	606.65



CF-83-44NF pictured

Replacement Hoses
- Flexible stainless steel hose
- ⅜" NPT male inlet

LENGTH	STOCK NO	EACH
36"	CF1919039KJKABNF	121.20
44"	CF8344ABNF	155.57



No 1366-NF
- Twist drain
- For 3½" sink opening
- Slip nut for overflow outlet and blind cap for non-overflow outlet
- 2" NPT male outlet

STOCK NO	EACH
CF1366NF	256.32



No. 90-LAB
Water Conserving Pre-Rinse Spray Valve
- 1.42 GPM @ 60PSI
- Rubber Bound Spray Head
- Spring Cam Valve - ¾" - 14 UNS Male Inlet

STOCK NO	EACH
CF90LABCP	145.63



No 510-GCL
- Wall mounted pre-rinse
- ½" female inlets
- GC integral check supply arms
- Adjustable centers: 7¼" to 23" riser
- Riser support bracket
- 36" S/S flexible hose
- 80 spray head
- 369 handles

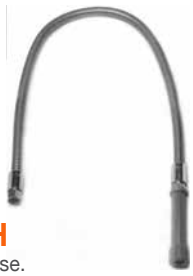
STOCK NO	EACH
CF510GXKCAB	1038.87

T&S Brass Parts & Accessories



(21)
T&S Brass 002712/711-40
Replacement spring check spindle assembly.

STEM	STOCK NO	EACH
Hot	STD1853	107.43
Cold	STD1854	107.43



(49)
T&S Brass B-0044-H
- Flexible stainless steel hose.
- Inner rubber tubing.
- 9/16" ID

LENGTH	STOCK NO	EACH
44"	B44SSFLHO	128.05



(49)
T&S Brass 053A
⅜" NPT male adapter.
FOR USE WITH CHICAGO FAUCETS

STOCK NO	EACH
TS053A	19.08



(49)
T&S Pre-Rinse Spray Valve
No. B-0107

STOCK NO	EACH
B0107	144.64



(21)
Installation Kit
Two short elbows, nipples, lock nuts and washers.
½" NPT Female x Male
No. B-0230-K

STOCK NO	EACH
B0230K	88.91

Chicago Faucet Bubbler (49)



No 748-665

- Self-closing
- Angle stream nozzle
- 1.6 GPM flow control in shank
- 665 push handle

STOCK NO	EACH
CF748665ABCP	507.61

Chicago Faucet Sill Faucets (49)

chicagofaucets.com

No 387-RCF



- Flanged ¾" female inlet
- ¾" hose thread on outlet
- Lock shield cap
- 293-6 removable tee handle

FINISH	STOCK NO	EACH
Rough Chrm Plate	CF387RCF	129.40

No 998-RCF



- Outside sill faucet2
- Vacuum breaker
- ¾" hose thread outlet
- Lock shield cap
- 293-6 removalbe tee handle
- ¾" flanged female inlet
- Drain plug

FINISH	STOCK NO	EACH
Rough Chrm Plate	CF998RCF	330.70

No 952



- Inside sill faucet
- Vacuum breaker
- ¾" hose thread outlet
- Lock shield cap
- 293-6 removable tee handle
- ¾" flanged female inlet

FINISH	STOCK NO	EACH
Polished Chrome	CF952CP	254.86

Chicago Faucet Vacuum Breakers (49)



Vacuum Breakers

For preventing back siphonage.

NO	SIZE	STOCK NO	EACH
892	½"	CF892ABCP	110.93
893	⅜"	CF893ABCP	123.67

(21a)



No 734-1 Tailpiece Adapter

Use with Chicago vacuum breakers to convert regular flush valves to VB type valves.

STOCK NO	EACH
CF734001JKCP	82.28

(21a)



Vacuum Breaker Repair Kits

DESCRIPTION	STOCK NO	EACH
Repair Kit	CF892402KJKABNF	63.21



No. 802-317
- 4" centers
- 4" spout
- 317 4" blade handles
- E12 aerator

STOCK NO	EACH
CF802317ABCP	176.99



No. 895-317
- 4" centers
- 3½" spout
- 317 4" blade handles
- E3 aerator

STOCK NO	EACH
CF895317ABCP	190.30



No. 895-317GN2AE3ABCP
- 4" Centers
- 5½" gooseneck spout
- 317 4" blade handles
- E3 aerator

STOCK NO	EACH
CF895317GN2AE3ABCP	199.50



No. 786-E3
- Concealed fitting
- 4" wrist blade handles
- 5¼" gooseneck spout
- Pressure compensating Softflo aerator
- Polished Chrome

STOCK NO	EACH
CF786E3ABCP	314.37



No. 786-E29
- 5¼" gooseneck spout
- 2.2 GPM Non-Aerating Outlet
- 4" Vandal Proof Wristblade Handle
- Ceramic 1/4 Turn Cartridge

Chrome Plate Finish

STOCK NO	EACH
CF786E29XKABCP	321.93



No. 786-GN2FCXK
- Concealed fitting
- Wrist blade handles.
- Rigid/swing plain end gooseneck spout
- Laminar flow controldevice in spout
- Ceramic disc operating cartridge

STOCK NO	EACH
CF786GN2FCXKABCP	318.34



No. 814
- 6" blade handles
- Integral stop arms
- 2" supply extensions
- Plain outlet
- Wall brace attaches to 1½" O.D.flush pipe
- Adjustable centers 8" to 13"

STOCK NO	EACH
CF814CP	1043.03



No. 815-VB
- 6" blade handles
- Integral stop arms
- 5" supply extensions
- Vacuum breaker spout
- ¾" hose thread outlet
- Wall brace attaches to 1½" O.D.flush pipe
- Adjustable centers 8" to 13"

STOCK NO	EACH
CF815VBCP	1189.22



No. 626-E3
- Deck mount
- GN2A 5⅜" spout
- E3 aerator
- Spout base

STOCK NO	EACH
CF626E3ABCP	200.14



No. 625
- Double pedal valve
- Two ½" female back inlets
- One ⅜" female back outlet
- Mixing

STOCK NO	EACH
CF625ABCP	344.54



No. 625-LP
Same as 625 except with 8" long pedals
For mounting on base 5½" above floor

STOCK NO	EACH
CF625LPABCP	566.83



No. 628
- Single pedal valve
- One ½" female back inlet
- One ½" female back outlet

STOCK NO	EACH
CF628ABCP	431.77



No. 834-EP
- Wall hung
- Double pedal valve
- Long pedals
- ½" angle stop inlets on 2½" centers
- One ⅜" female outlet

STOCK NO	EACH
CF834EPABCP	1135.64



No 928
- Single water connection
- 6" vacuum breaker spout
- 204 handles
- E7 serrated nozzle outlet

STOCK NO	EACH
CF928CP	335.92



No 929
- Combination sink fitting
- GN2B 5-3/8" spout
- 204 handles
- E7 serrated nozzle outlet

STOCK NO	EACH
CF929CP	431.89



No 969
- Deck mount
- For distilled water only
- GN2B 5⅜" spout
- E7 serrated nozzle outlet
- Self-closing
- ½" flanged female inlet

Tin plate interior with chrome plate exterior

STOCK NO	EACH
CF969CTF	505.30



No 937
- Pressure to 125 psi
- For water
- ⅜" IPS male inlet
- E7 ⅜" IPS male removable serrated nozzle outlet
- 204 cross handle

STOCK NO	EACH
CF937CP	152.41



No 986
Back Mount Flange
- ⅜" NPT male inlet shank - shipped loose
- ⅜" NPT female outlet

STOCK NO	EACH
CF986CP	48.93

Single Turret



No 980
- Single side outlet
- ⅜" I.P.S. female inlet and outlet

Inlet Shank Required

STOCK NO	EACH
CF980CP	48.01

Inlet Shanks (21a)



No 957-3K
⅜" x 4¾" long inlet shank

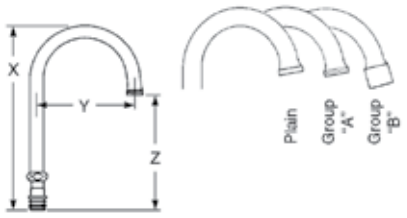
STOCK NO	EACH
CF957003	40.24

Special Spout Adapters (21a)



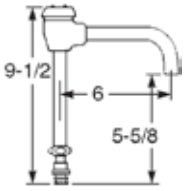
No 216
Index Buttons

FINISH	STOCK NO	EACH
Air	CF216278JKNF	10.42



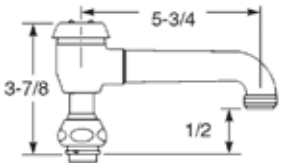
Model	X	Y	Z
GN1A-E3	8¼"	3½"	5⅞"
GN2A-E3	9¾"	5⅜"	6⅛"
GN2B	9¾"	5⅜"	5⅝"
GN2AH13-13	13"	5⅜"	9½"
GN2AH17-E3	17"	5⅜"	12⅞"
GNA-E3	11¼"	8"	6⅛"

STOCK NO	EACH
CFGN1AE3JKABCP	106.21
CFGN2AE3JKABCP	124.16
CFGN2BJKABCP	109.91
CFGN2AH13E3JKABCP	195.71
CFGN2AH17E3JKABCP	211.27
CFGN8AE3JKABCP	150.92



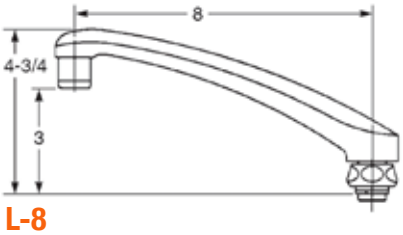
No GN-2B-VB
Rigid/swing convertible gooseneck spout with vacuum breaker

FINISH	STOCK NO	EACH
Polished Chrome	CFGN2BVBJKABCP	292.40



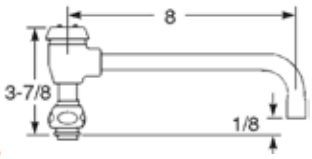
No L5-VB
Swinging spout with cast brass outlet spout member with integral ¾" hose thread outlet

FINISH	STOCK NO	EACH
Chrome	CFL5VBJKCP	278.62



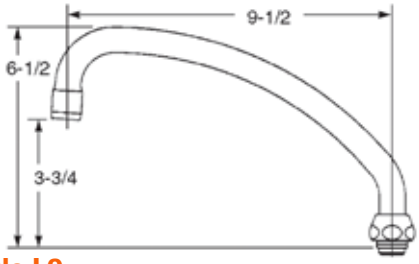
No L-8
8" swinging spout

FINISH	STOCK NO	EACH
Polished Chrome	CFL8JKABCP	155.15



No L8B-VB
Swinging spout with vacuum breaker with ⅜" IPS female outlet.

FINISH	STOCK NO	EACH
Polished Chrome	CFL8BVBJKABCP	300.22



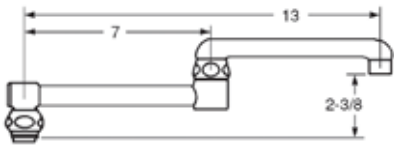
No L9
9½ " swinging spout

FINISH	STOCK NO	EACH
Polished Chrome	CFL9JKABCP	118.47



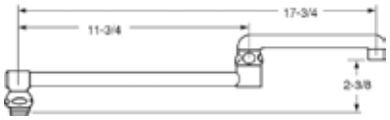
No S6
6" swinging spout

FINISH	STOCK NO	EACH
Polished Chrome	CFS6JKABCP	123.10



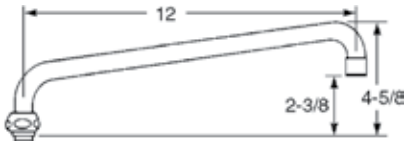
No DJ13
13" Double-jointed spout

FINISH	STOCK NO	EACH
Polished Chrome	CFDJ13JKABCP	262.94



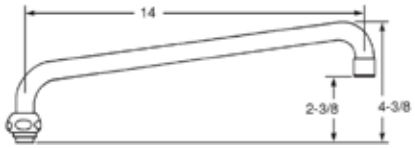
No DJ-18
17¾" Double-jointed spout

FINISH	STOCK NO	EACH
Polished Chrome	CFDJ18JKABCP	279.62



No L12

FINISH	STOCK NO	EACH
Polished Chrome	CFL12JKABCP	118.47



No L15

FINISH	STOCK NO	EACH
Polished Chrome	CFL15JKABCP	164.71

(21a)
1-6 Packing for swing spouts

STOCK NO	EACH
CF1006JKABNF	5.88

(21a)
1-026 Split Ring for spout packing

STOCK NO	EACH
CF1026JKABRBF	4.08

Chicago Faucet Spout Accessories (21a)

chicagofaucets.com

Group "A" Spout Ends to fit Group "A" Gooseneck Spouts



No E2

¾" hose thread.

FINISH	STOCK NO	EACH
Rough Chrome	CFE2JKRCF	23.77



No E3

2.5 GPM Softflo aerator

STOCK NO	EACH
CFE3JKABCP	37.08



No E3VP

- Vandal resistant 2.5 GPM Softflo aerator
- Installed with spanner wrench provided
- Free turning once installed

STOCK NO	EACH
CFE3VPJKABCP	47.30



No K1

Special Adapter with 13/16" - 24 female inlet thread and ⅜" straight female outlet thread to convert Type "A" spout outlet take Group "B" spout ends.

STOCK NO	EACH
CFK1JKABCP	23.86



No K2

Special Adapter with ⅜" straight male inlet and male thread outlet to convert type "B" spout outlet to take Group "A" spout ends.

STOCK NO	EACH
CFK2JKABRCF	24.08

No K3

Special Adapter with ¾" hose thread inlet for Group "A" spout ends on outlet. Permits adding No. E3 Softflo.

STOCK NO	EACH
CFK3JKABCP	39.68



No K4

Special Adapter to convert type "A" male thread to thread for most automatic dishwasher spout couplings.

STOCK NO	EACH
CFK4JKABCP	16.07

Group "B" Spout Ends to fit Group "B" Gooseneck Spouts



No E4

1⅜" Rose spray with ⅜" straight NPSM male inlet and removable face plate.

STOCK NO	EACH
CFE4JKABCP	105.79



No E12

Softflo 2.5GPM aerator with 13/16" - 27 male thread. For use on wide spread and centerset lavatory faucets such as 802A.

STOCK NO	EACH
CFE12JKABCP	37.08



No E2805-05JK

½ GPM spray outlet delivers a constant flow regardless of pressure. Used with Chicago Faucet aerated male outlet fittings such as 786-E3. Vandal resistant.

STOCK NO	EACH
CFE28055JKABCP	79.66



No E7

10-serration laboratory hose nozzle with integral flow control device in inlet limiting flow to ¾" GPM regardless of pressure.

STOCK NO	EACH
CFE7JKCP	46.20

Supply Connections



No G

⅜" offset with ½" NPT female inlet.

STOCK NO	EACH
CFGJKABCP	107.48



No H

2½" offset with ½" NPT female inlet.

STOCK NO	EACH
CFHJKABCP	155.91



No HC

2½" offset with ½" NPT female inlet and integral check.

STOCK NO	EACH
CFHCJKABCP	177.80



No R

2½" offset with built-in shut-off stop and ½" NPT female inlet.

STOCK NO	EACH
CFRJKABCP	209.81

No 1-11

Washer for above

STOCK NO	EACH
CF1011JKABNF	1.62

Naiad
Push Button Self-Closing



Push Button and Oscillating Handle

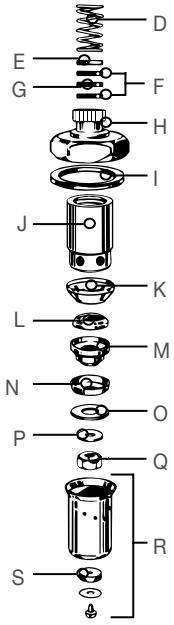
MODEL	DESCRIPTION	STOCK NO	EACH
333X-C	Cold Unit	CF333XCOLDJKABNF	162.14
333X-H	Hot Unit	CF333XHOTJKABNF	162.14
333X-SLO	With self-closing feature.	CF333XSLOPJKABNF	178.64
625X	Pedal valve unit	CF625XJKABNF	166.83

Parts List

Those parts listed in the "Descrtiption" column below that are mare marked with an asterisk(*) are parts that are recommended for replacement when renewing these operating units. Other parts not so marked may require replacement depending on the amount of wear they have received and their condition when examined.

PARTS LIST

	Description	NAIAD - Self Closing Operating Units Push Button and Oscilating Handles 333X	625X	Tip-Tap NAIAD Operating Units Adjustable Slow-Closing 335X	409	Jiffy Repair Kit #849
	Stem	--	333.20	--	--	
D	Spring	395-18				2
E	Washer	319-12				--
F	"O" Ring*	319-40				4
G	Leather Washer*	319-35				2
H	Cap	319-3	319-3	335-5	409-1	--
I	Gasket*	1-43				2
J	Sleeve	433-42				--
K	Seat*	1-27				2
L	Washer*	244-6				2
M	Retainer	333-26				--
N	Cup*	333-40				2
O	Washer	333-39				--
P	Washer	1-31				--
Q	Nut	333-97				--
R	Dash Pot	333-75	333-75	333-75K	333-75K	--
S	Washer	--	--	333-27	333-27	--



Parts List

NO	DESCRIPTION	STOCK NO	EACH
395-18	Spring	CF395018JKNF	5.55
1-43	Gasket.	CF1043JKABNF	1.66
1-27	Seat	CF1027JKABNF	3.44
1-31	Washer	CF1031JKABNF	1.62
333-97	Nut	CF333097JKABNF	3.89
333-73K	Dash Pot Assy. .	CF333073KJKABNF	36.45



No 849
Jiffy Repair Kit

For contents see chart at left.

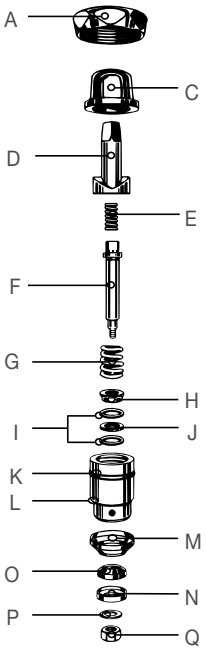
STOCK NO	EACH
CF849DAB	40.42

Klo- Self



Handle Type Self-Closing Operating Units

NO	STOCK NO	EACH
826X	CF826XJKABNF	178.91

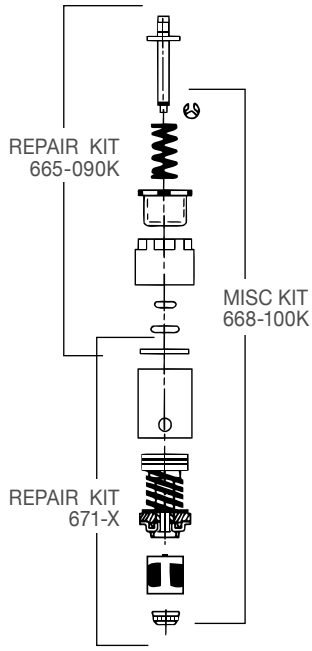


Parts List

NO	DESCRIPTION	STOCK NO	EACH
1-27	Seal	CF1027JKABNF	3.44
1-31	Washer	CF1031JKABNF	1.62
333-97	Nut	CF333097JKABNF	3.89

MVP Metering Valve Cartridge and Actuator





No 665-090K Actuator Repair Kit

STOCK NO	EACH
CF665190KJKABNF	59.36

No 667X Lower Unit Kit

STOCK NO	EACH
CF671XJKABNF	98.17

No 668-100K Misc Kit

STOCK NO	EACH
CF668100KJKABNF	17.61



Operating Cartridge

Included in Retrofit Kits

MODEL NO	DESCRIPTION	STOCK NO	EACH
Includes Hot/Cold Indicators			
665RKP	Push	CF665RKPABCP	167.75

Hand Closing Units

Quaturn Operating Units

MODEL	DESCRIPTION	STOCK NO	EACH
Exposed Cap			
1-99XT	*Right hand unit*	*CF1099XTBL12JKABNF*	*49.97*
1-100XT	*Left hand unit*	*CF1100XTBL12JKABNF*	*49.97*
Above with Ceramic Disk			
1-99XKJK	*Right hand unit*	*CF1099XKBL12JKABNF*	*56.86*
1-100XKJK	*Left hand unit*	*CF100XKBL12JKABNF*	*56.86*
Concealed Cap			
1-377-XT-LH	*Left hand unit*	*CF377XTLHBL12JKABNF*	*58.97*
1-377-XT-RH	*Right hand unit*	*CF377XTRHBL12JKABNF*	*58.97*
377-XK-LHJK	*Left hand unit*	*CF377XKLHBL12JKABNF*	*73.75*
377-XK-RHJK	*Right hand unit*	*CF377XKRHBL12JKABNF*	*73.75*



Slow Compression Operating Units

MODEL	DESCRIPTION	STOCK NO	EACH
Exposed Cap			
1217-XT-LH	*Left hand unit*	*CF217XTLHJKABNF*	*51.60*
Concealed Cap			
274-XT-LH	*Left hand unit*	*CF274XTLHJKABNF*	*65.42*
274-XT-RH	*Right hand unit*	*CF274XTRHJKABNF*	*65.42*

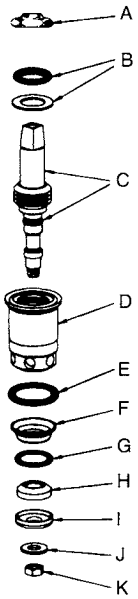
PARTS LIST

	QUANTURN OPERATING UNITS				SLOW COMPRESSION UNITS			
	Exposed Cap		Concealed Cap		Exposed Cap		Concealed Cap	
Part	**1-99-XT**	**1-100-XT**	**377-XT-LH**	**377-XT-RH**	**217-XT-LH**	**217-XT-RH**	**274-XT-LH**	**274-XT-RH**
Desc.	RH	LH						
A Cap	1-214	1-214	274-004	274-004	1-214	1-214	274-004	274-004
B Packing								
Assembly*	93-131	93-131	93-131	93-131	93-131	93-131	93-131	93-131
C Stem	1-311K	1-310K	274-110K	274-111K	1-314K	1-315K	274-112K	274-115K
D Sleeve**	2-329	2-328	2-329	2-328	317-102	317-103	317-102	317-103
E O-Ring	2-043	2-043	2-043	2-043	2-043	2-043	2-043	2-043
F Seat*	1-327	1-327	1-327	1-327	1-327	1-327	1-327	1-327
G O-Ring	1-328	1-328	1-328	1-328	1-328	1-328	1-328	1-328
H Seat								
Washer	1-021	1-021	1-021	1-021	1-021	1-021	1-021	1-021
I Retainer	1-022	1-022	1-022	1-022	1-022	1-022	1-022	1-022
J Washer	1-031	1-031	1-031	1-031	1-031	1-031	1-031	1-031
K Nut	333-097	333-097	333-097	333-097	333-097	333-097	333-097	333-097

*These are parts recommended for replacement when renewing operating cartridges. Other parts may require replacement, depending on wear and condition when examined.

**Cartidges can be identified as left or right hand by number of rings on sleeve. Quaturn--LH-2 rings, RH-1 ring. Slow Compression--LH-4 rings, RH-3 rings.

1. Note that left hand cartridges re used on both hot and cold water sides when handle Nos. 633,643,500,950,2000 or 204 are used. Right and left cartridges are used when lever handles Nos. 369,370,1000,317,320 and 319 are used.
2. Slow compression operating cartridges are used where finer adjustment of water temperature and volume is required.



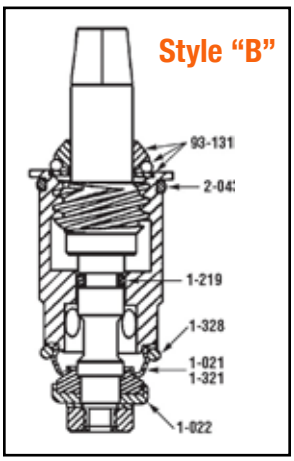
Parts List

NO	DESCRIPTION	STOCK NO	EACH
1-214	*Cap*	*CF1214JKCP*	*28.52*
274-004	*Cap*	*CF274004JKRBF*	*41.61*
1-43	*Gasket*	*CF1043JKABNF*	*1.66*
93-131K	*Packing Assy.*	*CF1119JKABNF*	*4.38*
1-27	*Seat*	*CF1027JKABNF*	*3.44*
1-328JK	*O-Ring*	*CF1328JKABNF*	*3.48*
1-021	*Washer*	*CF1021JKABNF*	*1.62*
1-31	*Washer*	*CF1031JKABNF*	*1.62*
333-97	*Nut*	*CF333097JKABNF*	*3.89*

Chicago Faucet Repair Kits are designed to provide a selection of replacement parts necessary to renew or maintain Chicago Faucet products.



Jiffy Repair Kit #277	One-Minute Repair Kit #273	Junior Repair Kit #276	DESCRIPTION	PART NO
—	4	1	Complete LH (hot) Units	1-100
—	4	1	Complete RH (cold) Units	1-99
—	1	—	Complete RH Long Stem Unit	377-X-RH
—	1	—	Complete LH Long Stem Unit	377-X-LH
—	3	1	LH Stem (Hot)	1-110K
—	3	1	RH Stem (Cold)	1-111K
—	1	—	LH Long Stem	274-10K
—	1	—	RH Long Stem	274-11K
—	2	—	LH (Hot) Sleeves	2-28
—	2	—	RH (Cold) Sleeves	2-29
2	50	25	Monel Seats	1-27
2	100	50	Seat Washers	1-21
2	25	3	Washer Retainers	1-22
—	12	—	Arm Washers	1-11
2	24	9	Conical Packings	1-119
—	4	2	Chrome Plated Caps	1-214
—	6	—	Chrome Plated Handle Screws	420-10
—	12	6	Stem Nuts	333-97
—	12	6	Stem Nut Washers	1-31
2	24	6	Cap Thread Gaskets	1-43
1	6	—	Spout Packings	1-6



Repair Kit for Quaturn and Slow Compression

#1277	DESCRIPTION	PART NO
1	*Packing Set*	*93-131K*
1	*O-Ring*	*2-043*
1	*O-Ring*	*1-219*
1	*O-Ring*	*1-328*
1	*(Soft) Washer*	*1-021*
1	*(Hard) Washer*	*1-321A*
1	*Seat Retainer*	*1-022*

Repair Kits

KIT NO	STOCK NO	EACH
273	*CF1273ABNF*	*873.40*
1276	*CF1276ABNF*	*252.73*
1277	*CF1277DAB*	*34.54*



(49)

No 1000

2⅞" diameter single wing metal handle

STOCK NO	EACH
CF1000PRJKCP	65.56



No 633

3" diameter 4-arm polished chrome cross handle

DESCRIPTION	STOCK NO	EACH
Red, blue & white index	CF633JKCP	39.33



No 317

4" wrist blade handle-forged brass

DESCRIPTION	STOCK NO	EACH
Red, blue & white index	CF317JKCP	80.93



No 369

2⅜" Horizontal metal lever handle

DESCRIPTION	STOCK NO	EACH
Red, blue & white index	CF369JKCP	31.10

No 420-10

Screw for 369 Handles

STOCK NO	EACH
CF420010JKRCF	3.07



9602-PLR
Temptrol® II
Tub and Shower System

Temptrol II Pressure-Balancing mixing valve with lever handle, built-in choke and adjustable stop screw to limit handle turn. Diverter spout and Clear-Flo shower head with arm and flange.

Description	STOCK NO	EACH
Tub/shower Trim LESS VALVE	*SY9602PLR15TRM*	*61.64*
Choose between the two following valves		
Valve only (4port) less stops	*SY262BODY*	*111.85*
Valve only (4port) with stops	*SY262XBODY*	*131.76*



9601-PLR
Temptrol® II
Shower System

Temptrol II Pressure-Balancing mixing valve with lever handle and adjustable stop screw to limit handle turn. Clear-Flo shower head with arm and flange.

Description	STOCK NO	EACH
Shower Trim LESS VALVE	*SY9601PLR15TRM*	*55.30*
Choose between the two following valves		
Valve only (4port) less stops	*SY262BODY*	*111.85*
Valve only (4port) with stops	*SY262XBODY*	*131.76*

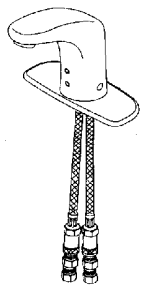


9600-PLR-300-B30-V
Temptrol® II
Shower System

Temptrol II Pressure-Balancing mixing valve with lever handle, adjustable stop screw to limit handle turn. Wall/hand shower with in-line vacuum breaker, flexible 5' metal hose, wall connection and flange, 30" slide bar for hand shower mounting.

Description	STOCK NO	EACH
Hand Held Shower LESS VALVE	*SYT300B30V*	*387.90*
Valve Trim Only	*SY9600PLRTRM*	*38.41*
Choose between the two following valves		
Valve only (4port) less stops	*SY262BODY*	*111.85*
Valve only (4port) with stops	*SY262XBODY*	*131.76*

Symmons®



S-6080 Series Ultra-Sense™
Lavatory Faucet

Symmons Sensor Lavatory Faucet has long life lithium battery, 1.5GPM vandal-resistant aerator, ADA compliant, visual low battery indication, 3H, 3CC, less drain.

DESCRIPTION	STOCK NO	EACH
Lavatory faucet no drain	*SYS6080*	*843.18*



S-20 Series
SYMMETRIX™
Lavatory Faucet

Symmons Single Lever Lavatory Faucet with ceramic control components and handle limit stop. Aerator, 3/8" supplies, 4" centers, polished chrome finish.

DESCRIPTION	STOCK NO	EACH
Lavatory faucet no drain	*SYS20*	*136.10*

Mixing Valves (18)

Watts Valves
watts.com



Watts Undercounter Thermostatic Mixing Valve
Minimum supply pressure: 30psi
Hot inlet temperature: 120°F-180°F
Cold inlet temperature: 39°F-80°F
Minimum inlet temperature differential: 5°F
Temperature range: 80°F-120°F
Maximum pressure: 150psi
Flow rate: 0.25 to 2.25 GPM
ASSE 1070 listed and CSA certified

CONNECTORS	STOCK NO	EACH
3/8" Compression	LFUSGBM3	151.75

Powers Repair Parts (21)
powerscontrols.com

MODEL	STOCK NO	EACH
Control Knob		
420-481	PO420481	226.94
Motor Upgrade Kit for Standard Models		
420-451	PO420451	1074.06
Gasket Kit Series 410		
410-182	PO410182	95.12
Cartridge Kit Series 410		
410-183	PO410183	384.18
Stem & Plate Replacement Kit		
410-378	PO410378	159.89
Motor Kit - 65°-115°F		
427-200	PO427200	1124.60
431 Checkstop Replacement Kit		
230-135	PO230135	226.94

Apollo Valves
apollovalves.com



34BLF Series Dual Purpose Mixing Valve
Model "MVB" thermostatic mixing valves are designed to control and limit the volumes of cold and hot water required to deliver mixed water at a predetermined temperature either from the "point of source" or "point of use" application for single or multiple fixtures.
80°-120° F • 1.5 GPM • 150 psig • 200° F Max.
ASSE 1017/1070 Approved. NSF/ANSI 372

CONNECTIONS	STOCK NO	EACH
1/2" Sweat	1234BLF313S	343.85
3/4" Sweat	3434BLF314S	343.85

Lawler Valves
temperedwater.com



Series 911 E Emergency Eyewash/Shower Valve
Range: 2-25 GPM @ 30 P.S.I.

STOCK NO	EACH
L842910	1311.19



Series 911 E/F Emergency Eyewash Valve
Range: 2-7 GPM @ 30 P.S.I.
Includes by-pass.

STOCK NO	EACH
L8490801	897.75



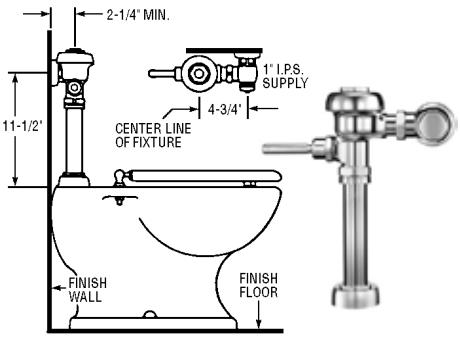
801/803 Series High-Low Thermostatic Mixing Valve
Ranges 90° - 120°F.—Rough Brass Finish

INLET	OUTLET	STOCK NO	EACH
3/4"	1"	L8620805	3142.13
1 1/4"	1 1/2"	L8640805	4323.38



Model 570 Undercounter Thermostatic Mixing Valve
Ranges: 95° - 115°F
1/2" MNPT
.5 - 12 GPM

CONNECTORS	STOCK NO	EACH
1/2"	L8682100	189.00



Royal 110
For Water Closets

Floor mount or wall hung 1½" top spud bowls. Quiet, exposed, diaphragm type, chrome plated with ADA compliant metal oscillating handle.

FLUSH CYCLE	STOCK NO	EACH
3.5 GPF	SL3010100	270.25



Royal 111
For Water Closets

Floor mount or wall hung top spud bowls. Quiet flush valve with metal oscillating handle, 1" screwdriver angle stop, adjustable tailpiece, vacuum breaker flush connection, spud coupling for 1½" top spud, wall and spud flanges.

FLUSH CYCLE	STOCK NO	EACH
1.6 GPF	SL3010000	270.25
1.28 GPF	SL3910168	270.25



Royal 115
For Water Closets

Floor mount or wall hung top spud bowls. Quiet flush valve with metal oscillating handle, 1" screwdriver angle stop, adjustable tailpiece, vacuum breaker flush connection, spud coupling for 1½" top spud, wall and spud flanges.
Center line of supply is 24" above fixture.

FLUSH CYCLE	STOCK NO	EACH
1.6 GPF	SL3010326	289.50
3.5 GPF	SL3010300	289.50

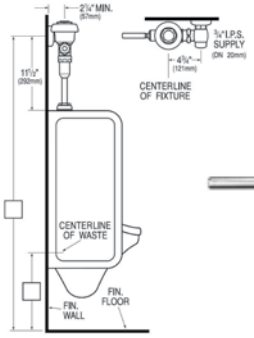


Royal BPW 1000
For Water Closets
With Bed Pan Washer

No. 1000-1.6 • 1.6gpf
- PERMEX™ Synthetic Rubber Diaphragm
- Dual Filtered Bypass
- ADA Compliant Handle
- Diverter Valve Wall Support

Floormount or Wall Hung.

STOCK NO	EACH
SL3019726	849.66



Royal 186
For Wall Hung Urinals

Quiet blowout or siphon jet flush valve with metal oscillating handle, ¾" screwdriver angle stop, adjustable tailpiece, vacuum breaker flush connection, spud coupling for ¾" top spud, wall and spud flanges.

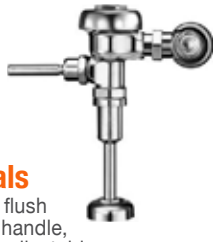
FLUSH CYCLE	STOCK NO	EACH
1.5 GPF	SL3012600	270.25
1.0 GPF.	SL3012636	270.25



Royal 180
For Wall Hung Urinals

Quiet washout flush valve with metal oxcillating handle, 1" screwdriver angle stop, adjustable tailpiece, vacuum breaker flush connection, spud coupling for 1¼" top spud, wall and spud flanges.

FLUSH CYCLE	STOCK NO	EACH
3.5 GPF	SL3012400	270.25
1.0 GPF.	SL3012436	270.25
1.5 GPF	SL3012426	270.25



Regal 186
For Wall Hung Urinals

Quiet blowout or siphon jet flush valve with metal oscillating handle, ¾" screwdriver angle stop, adjustable tailpiece, vacuum breaker flush connection, spud coupling for ¾" top spud, wall and spud flanges.

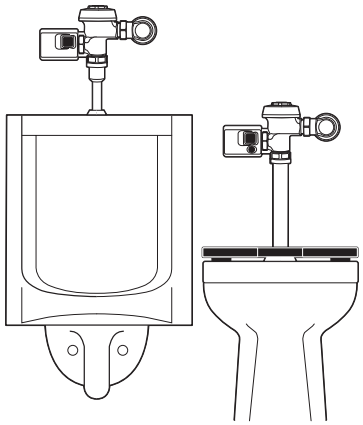
FLUSH CYCLE	STOCK NO	EACH
0.5 GPF	SL3982628	168.35
1.0 GPF.	SL3082675	168.35



Regal 111
For Water Closets

Floor mount or wall hung top spud bowls. Quiet flush valve with metal oscillating handle, 1" screwdriver angle stop, adjustable tailpiece, vacuum breaker flush connection, spud coupling for 1½" top spud, wall and spud flanges.

FLUSH CYCLE	STOCK NO	EACH
1.6 GPF.	SL3080053	168.35



Not for use with TOTO Flush Valves



Optima
EBV-200-A Smooth™

Side-Mount-Operator-Over-The-Handle
Utilizes four "C" batteries. Left or right hand installation. Low battery indicator.

STOCK NO	EACH
SL3325201	458.54

Not for use with TOTO Flush Valves



EBV-500-A

Single-Flush-Side-Mount
Four (4) Size"C" batteriesincluded.
Low battery LED.

STOCK NO	EACH
SL3325500	260.35



Royal Optima G-2 Plus

Royal Optima G-2 Plus
with override button.

STOCK NO	EACH
1.6 gallon flush cycle	
SL3250400	*884.44*
1.28 gallon flush cycle	
SL3250289	*884.44*



Solis Solar Powered

with Smart Sense Technology.

STOCK NO	EACH
1.6 gallon flush cycle	
SL3370001	*922.42*
1.28 gallon flush cycle	
SL3370002	*922.42*

Complete Urinal Flushometer

Quiet, battery operated, diaphram type, sensor operated for exposed urinal installations. Chrome-plated protective handle, ¾" IPS screwdriver BAK-CHEK angle stop inlet, adjustable tailpiece, vacuum breaker flush connection and spud coupling for ¾" top spud, wall spud flanges, set screw type cast wall flange and sweat solder adapter kit, 11½" inlet height above fixture. Includes 4 AA batteries. ¾" top spud.

Royal Optima G-2 Plus 1.0 gallon flush cycle

STOCK NO	EACH
SL3250401	*884.44*

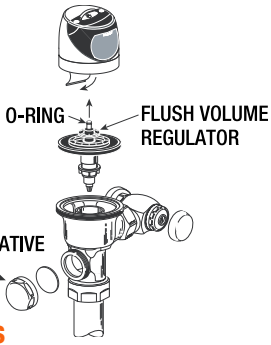


Solis Solar Powered

0.5 gallon flush cycle urinal flushometer
with Smart Sense Technology.

STOCK NO	EACH
SL3370004	*922.42*





Battery Powered G2 Optima Plus

For installation on existing Royal Exposed Flushometers. Unit operates on four AA batteries and is equipped with a new sensor that is NEMA 6 compliant against moisture, a Flashing LED low battery indicator light, 24-hr sentinal flush.

Water-Saver 1.5 gal flush cycle max.

STOCK NO	EACH
URINAL	
SL3325402	*679.93*
CLOSET	
SL3325400	*679.93*



Solis Solar Powered Retrofit

For Exposed Urinals

Retrofit Conversion Kit for Exposed urinals Flushometers. Unit operates on a solar cell that will harvest power from artificial indoor light.

STOCK NO	EACH
1.0-1.5 gal flush cycle max.	
SL3375306	*709.03*
0.5 gal flush cycle max.	
SL3375304	*709.03*



Solis Solar Powered Retrofit

For Exposed Closets

Retrofit Conversion Kit for Exposed Closet Flushometers. Unit operates on a solar cell that will harvest power from artificial indoor light.

Water-Saver 1.6 gal flush cycle max.

STOCK NO	EACH
SL3375301	*709.03*



Automatic Flush Valve

Quiet flush valve, chrome plated equipped with solenoid operator and Optima sensor, (4) tamper-proof screws and wall cover plate for (2) gang electrical box, non-hold-open feature ¾" IPS screwdriver angle stop with protective cap, adjustable tailpiece, vacuum breaker flush connection and spud coupling for ¾" topspud, wall and spud flanges.

LESS TRANSFORMER.

STOCK NO	EACH
1.5 gallon flush cycle	
SL3452647	*934.74*
1.0 gallon flush cycle	
SL3452673	*934.74*

EL154 Transformer

48VA, 120V, AC.
Sensor operates on 24V, AC only.
One transformer serves up to (10) Optima urinal/closet sensor units.

STOCK NO	EACH
SL0345154PK	*66.81*

Adaptive Sensor for a Urinal Flushometer

STOCK NO	EACH
SL3305620	*379.48*



No. 111-ES-S Automatic Closet Valve

Quiet, Exposed, Diaphragm Type, Chrome Plated Closet Flushometer for either left or right hand supply with the following features:

- PERMEX™ Synthetic Rubber Diaphragm
- OPTIMA® EL-1500-L Self-Adaptive Infrared Sensor with Indicator Light
- Two (2) Chrome Plated Wall Cover Plates with Vandal Resistant Screws
- High Back Pressure Vacuum Breaker and Flange for 1-½" Top Spud

LESS TRANSFORMER.

STOCK NO	EACH
1.6 gallon flush cycle	
SL3450047	*959.47*
1.28 gallon flush cycle	
SL3450049	*959.47*

Adaptive Sensor for a Closet Flushometer

STOCK NO	EACH
SL3305621	*379.48*

Sloan Products

sloanvalve.com

Accessories (21b)



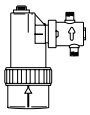
ETF-233 Plug-in Transformer

STOCK NO	EACH
SL0365534	46.44



EBF-60A Module Assembly
For use with EBF 650/670 Faucets.

STOCK NO	EACH
SL0315104	765.91

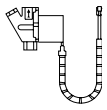


EBF-11A Module Assembly
For use with EBR 85 Faucets.

STOCK NO	EACH
SL3315111	612.74

EBF-1011A Battery Solenoid Assembly

STOCK NO	EACH
SL3315254	444.46



ETF-370A 24v Solenoid

STOCK NO	EACH
SL0305849	259.48



ETF-450A 24v Faucet Junction Box

STOCK NO	EACH
SL3365000	430.49



EBF615-4 Lav Faucet Solenoid Assembly
ASM 6 VDC 3/8 COMP

STOCK NO	EACH
SL0365758	474.91



EL-124-2 CP 24v Solenoid For ES-S

STOCK NO	EACH
SL0305329	498.76

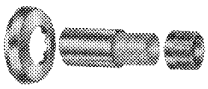


ETF-470 3/8" Check Valve Kit for Sloan Sensor Faucets

STOCK NO	EACH
SL3365001	102.67

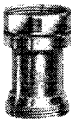
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Sweat Solder Kits



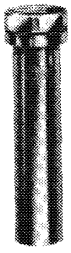
SIZE	STOCK NO	EACH
1"	SL3308780	18.42
3/4"	SL3308786	18.42

V-500-A



SIZE	STOCK NO	EACH
1 1/2"	SL5323010	63.33

V-500-AA



SIZE	STOCK NO	EACH
With 9" Tailpiece		
3/4"	SL5323005	63.33
1 1/4"	SL5323006	63.33
1 1/2"	SL5323007	63.33
With 15" Tailpiece		
3/4"	SL0323210	110.41
With 21 1/2" Tailpiece		
1 1/2"	SL0323015	113.83

Screw Driver Stop Repairs

NO	DECRIPTION	STOCK NO	EACH
H-551-A	3 1/16" Adjustable Tailpiece	SL0308803	49.66
H-551-A	4 1/16" Adjustable Tailpiece	SL0308805	60.07
H-553	"O" Ring	SL5308696	2.73
H-573	1" C.P. Cap	SL3308840	34.25

Lavatory Faucets (18)



Optima Plus Sensor Operated Lavatory Faucet

Chrome Plated Brass
Sensor Operated 4" Center-set Electronic Hand Washing Faucet for tempered or hot/cold water operation. 0.5 gpm/1.9 Flow Rate. ADA Compliant, Sensor Activated, Uses (4) "AA" alkaline batteries, Chrome Plated 4" Trim Plate.
Battery Operated

STOCK NO	EACH
SL3315114BT	618.57



Solar Sensor Operated Lavatory Faucet

Chrome Plated Brass
Solar powered, infrared, sensor activated, electronic hand washing faucet for pre-tempered or hot and cold operation. 0.5 GPM Multi-Lam spray. Uses (4) "AA" alkaline batteries. 3/8" high pressure flexible supply hoses.
Includes Integral Side Mixer • Battery Operated

STOCK NO	EACH
SL3324002	1397.69

EFX-20-A

4" Trim Plate
For use with EFX-275-500 Lav Faucet

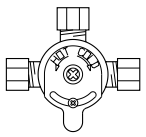
STOCK NO	EACH
SL3324100	100.98



Optima® Sensor Faucet Lavatory Faucet

Polished Chrome Finish
4" Trim Plate, Below Deck Thermostatic Mixing Valve, 0.5 gpm, Multi-Laminar Spray, Infrared Sensor, Smart Faucet, Optima® Battery-Powered Deck-Mounted Low Body Faucet.
Battery Operated - 3 year Life

STOCK NO	EACH
SL3315181BT	704.70



Optimix MIX-60-A

Mecahnical mixing valve for single faucet.

STOCK NO	EACH
SL3326009	63.27



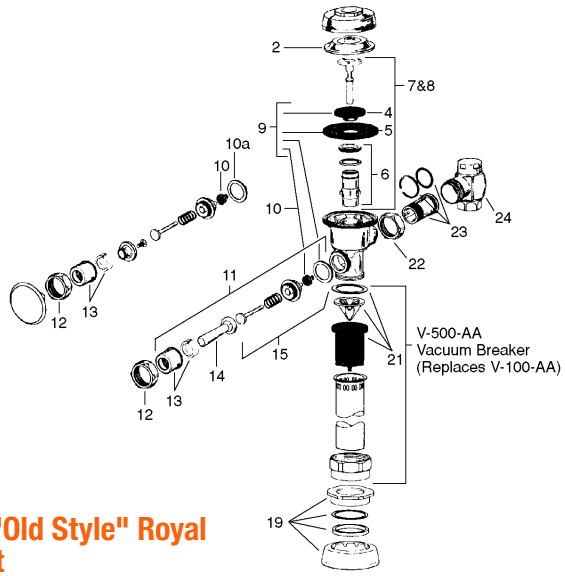
Bradley "Navigator" Lead-Free Tempering Valve

3/8" Point-of-Use with compression fittings

STOCK NO	EACH
S594000A	110.17

Mounting Bracket

BRS452456	40.18



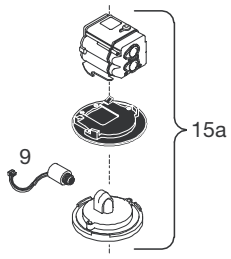
Regal & "Old Style" Royal Parts List

REF NO	DESCRIPTION	STOCK NO	EACH
1	A-72 CP Cover	SL0301172	65.08
	A-72 RB Cover	SL0301173	*POA
2	A-71 Inside Cover	SL0301168	19.90
3	A-19-AC Relief Valve (Closet)	SL5301058	15.80
	A-19-AU Relief Valve (Urinal)	SL5301059	15.80
4	A-15-A Disc	SL5301111	13.74
	A-15-A Disc (Hot Water)	SL5301112	*POA
5	A-56-A Diaphragm w/A-29	SL5301170	16.71
	A-156-A Diaphragm w/A-29	SL5301188	15.80
	A-156-A Diaphragm (Hot Water)	SL5301190	*POA
6	A-163-A Guide	SL5301236	12.68
7	Inside Parts Kit for Closets, Service Sinks, Blowout and Siphon Jet Urinals	SL3301036	44.96
8	Inside Parts Kit for Washdown Urinals	SL3301037	44.96
9	A-56-AA Washer Repair set	SL5301176	35.84
	A-156-AA Closet/Urinal Washer Set	SL5301189	32.50
10	B-39 Seal	SL5302297	2.96
10a	Handle Gasket	SL5301139	1.97
11	B-32-A CP Handle Assem.	SL5302279	37.44
12	A-6 CP Handle Coupling	SL0301082	16.17
13	B-7-A CP Socket	SL0302109	*POA
14	B-32 CP Grip	SL5302274	21.64
15	B-50-A Handle Repair Kit	SL5302305	7.29
16	C-42-A 3" CP Push Button Assem.	SL0303351	*POA
17	3" CP Push Button Replacement Kit	SL3303347	*POA
18	C-64-A 3" Push Button Repair Kit	SL3303396	*POA
19	F-5-A ¾" CP Spud Coupling Assem.	SL0306125	39.11
	F-5-A 1" CP Spud Coupling Assem.	SL0306132	*POA
	F-5-A 1¼" CP Spud Coupling Assem.	SL0306140	*POA
	F-5-A 1½" CP Spud Coupling Assem.	SL0306146	39.11
21	V-500-A & V-500-AA Vacuum Breaker Repair Kit	SL3323192	6.68
22	H-550 CP Stop Coupling	SL0308676	*POA
23	H-551-A CP Adj. Tail 2 1/16" Long.	SL0308801	39.56
	H-551-A3 1/16" Adjustable Tailpiece	SL0308803	49.66
	H-551-A4 1/16" Adjustable Tailpiece	SL0308805	60.07
	H-710-A ¾" SD Bak-Chek CP Ctrl. Stop	SL0388025	130.92
	H-600-A 1" WH Bak-Chek CP Ctrl. Stop	SL0308881	*POA
	H-600-A ¾" WH Bak-Chek CP Ctrl. Stop	SL0308889	*POA

***Price on Application**

Regal & "Old Style" Royal

DECRIPTION	STOCK NO	EACH
Royal Water Saver Kit	SL3301038	44.96
Royal Low Consumption	SL3301041	44.96
Handle Repair Kit	SL3303398	19.29
Repair Kit for 1" Screwdriver Stop	SL3308853	29.08
Repair Kit for ¾" Screwdriver Stop	SL3308856	29.08
H-634-AA 1" CP Sweat Solder Kit	SL3308785	28.78



G2 Optima Plus Parts List

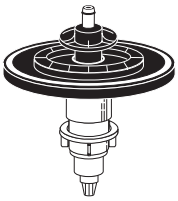
REF NO	DESCRIPTION		STOCK NO	EACH
Items Included with RESS Retrofit & Complete Optima PLUS Vales				
15a	EBV-146-AC	Sensor Module - Water Closet	SL0325176	655.72
	EBV-146-AU	Sensor Module - Urinal	SL0325177	655.72
	EBV-129-AC	Sensor Module - Water Closet	SL3325450	438.46
9	EBV-136-A	Solenoid - Water Closet	SL3325453	76.24

Electronic Module

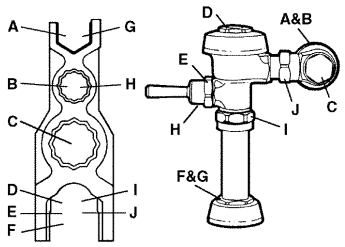
For 0.5 & 1.0 GPF single flush urinals

STOCK NO	EACH
SL3325451	438.46





Flush Volume and Fixture	Item No. 10 Flex Tube Diaphragm Kit No.	Item No. 11 Flush Volume Regulator Part No.	Regulator Color
1.28 gpf/4.8 Lpf Closet	EBV-1024-A		Green
0.5 gpf/1.9 Lpf Urinal	EBV-1023-A	EBV-95	Green
1.0 gpf/3.8 Lpf Urinal	EBV-1022-A	EBV-95	Green
1.5 gpf/5.7 Lpf Urinal	EBV-1022-A	EBV-102-2	Black
3.5 gpf/13.2 Lpf Urinal	EBV-1020-A	EBV-102-1	White
1.6 gpf/6.0 Lpf Closet	EBV-1020-A	EBV-95	Green
3.5 gpf/13.2 Lpf Closet	EBV-1020-A	EBV-102-1	White
2.4 gpf/9.0 Lpf Closet	EBV-1021-A	EBV-101	Blue



Sloan "SuperWrench" Reference for application

A - Bonnet . . . . . (H-579 1")
B - Bonnet . . . . . (H577 ¾")
C - Stop Cap . . . . . (H-573 1" & H-582¾")
D - Cover Nut . . . . . (A-72)
E - Handle Coupling . . . . . (A-6)
F - Spud Nut . . . . . (F-20 1½")
G - Spud Nut . . . . . (F-20 ¾")
H - Handle Bushing . . . . . (B-40)
I - Vacuum Breaker Coupling . . (V-533-A)
J - Tailpiece Coupling . . . . . (H-550)

Sloan Wrench

DESCRIPTION	STOCK NO	EACH
A-50 Sloan Wrench	SL0301255	123.55

Valve Repair Parts

Royal Repairs

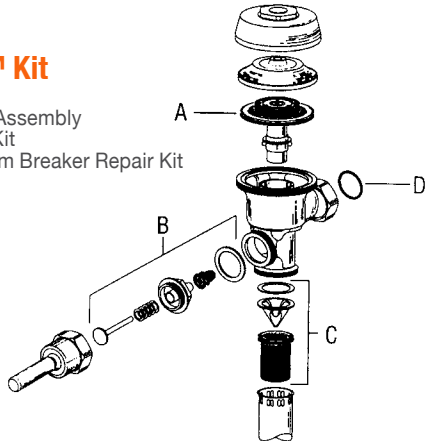
With New Dual Filtered Diaphragm™

NO	DESCRIPTION	STOCK NO	EACH
V-600-AA	¾"x9" CP Vac. Brkr	SL3393004	63.33
V-600-AA	1¼"x9" CP Vac. Brkr.	SL3393006	63.33
V-600-AA	1½"x9" CP Vac. Brkr	SL3393007	63.33
H-700-A	¾" Screw Driver Stop (Vandal Resistant)	SL3308384	166.08
H-700-A	1" Screw Driver Stop (Vandal Resistant)	SL3308386	166.08
H-1010-A	Vandal resistant control stop cap assembly*	SL3308791	28.48
H-1009-A	Vandal resistant control stop cap assembly**	SL3308790	28.48

*** for use with H-700-A 1" & ¾" and H-600-A 1" Screwdriver Bak-Chek® control stops.**
**** for use with H-600-A ¾"Screwdriver Bak-Chek® Control stops.**

Royal Performance™ Kit

Contents:
A. Dual Filtered Diaphagm™ Assembly
B. Triple Seal Handle Repair Kit
C. High Back Pressure Vacuum Breaker Repair Kit
D. Tailpiece "O" Ring



Repair kits and parts listed on this page are designed to service all Sloan diaphagm type flushometers, including those manufactured for low consumption usage.

Royal Dual Filtered Diaphragm Assembly ONLY

Sold only in Royal Performance™ Kits
Kit includes:
Dual Filtered Diaphagm Assembly (item 3 at right)
Handle Repair kit w/Triple Seal Packing (item 8 at right)
High Back Pressure Vacuum Breaker Repair Kit (item 11 at right)
Tailpiece "O" Ring (Item 15 at right)

NO	DESCRIPTION	STOCK NO	EACH
A-1045-A	for 1.28 GPF water closets	SL3301506	107.38
A-1101-A	for low consumption water closets	SL3301070	126.28
A-1102-A	for water saver water closets.	SL3301071	126.28
A-1106-A	for Low consumption urinals	SL3301073	126.28
A-1107-A	for Low consumption urinals	SL3301074	126.28
A-1108-A	for water saver urinals	SL3301075	126.28

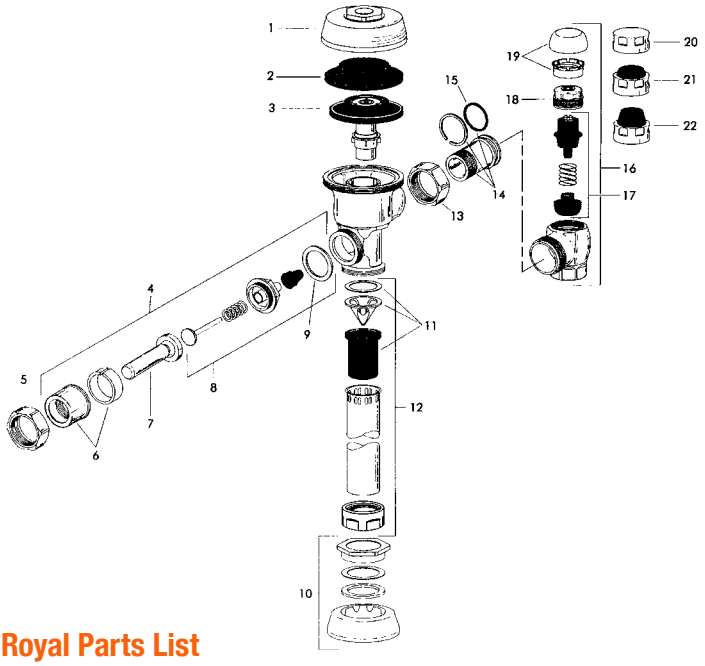
Repair Kits

NO	DESCRIPTION	STOCK NO	EACH
B-51-A	Triple seal handle repair kit	SL3302306	18.83
V-651-A	High back pressure vacuum breaker kit	SL3323182	9.34
H-553	"O" Ring	SL5308696	2.73

Stock No	Kit No	Flush Volume	For Use With
3301070	A-1101-A	1.6 gpf/6.0 Lpf	Low consumption water closets
3301071	A-1102-A	3.5 gpf/13.2 Lpf	Water saver water closets
3301073	A-1106-A	0.5 gpf/1.9 Lpf	Wash down urinals
3301074	A-1107-A	1.0 gpf/3.8 Lpf	Low consumption urinals
3301075	A-1108-A	1.5 gpf/5.7 Lpf	Water saver urinals

• Use 3.5 gpf/13.2 Lpf kit for old style blowout urinals.
• Some wash down urinals may require a 1.0 gpf/3.8 Lpf flush.

Royal Performance Kits can be used to upgrade Royal style Diaphagm Flushometer valves manufactured after 1964. Also, use this to upgrade Sloan Regal Flushometers to Royal Performance.



Royal Parts List

1.	0301172	A-72	CP Cover
2.	0301168	A-71	Inside cover
3.	Dual filtered diaphagm Assembly (see chart at left)		
4.	0302390	B-73-A	Triple Seal CP Handicap Handle Assembly(ADA Compliant)
5.	0301082	A-6	CP Handle Coupling
6.	0302109	B-7-A	CP Socket Assembly
7.	0302389	B-74-A	CP Handicap Handle Grip (ADA compliant) (shown)
8.	3302306	B-51-A	Triple Seal Handle Repair Kit
9.	5301139	A-31	Handle Gasket - 48 per package
10.	0306125	F-5-A	3/4" CP Spud Coupling Assembly
	0306140	F-5-A	11/4" CP Spud Coupling Assembly
	0306146	F-5-A	11/2" CP Spud Coupling Assembly
11.	3323182	V-651-A	High Back Pressure Vacuum Breaker Repair Kit
12.	3393004	V-600-AA	¾" x 9" CP Vacuum Breaker
	3393006	V-600-AA	1¼" x 9" CP Vacuum Breaker
	3393007	V-600-AA	1½" x 9" CP Vacuum Breaker
13.	0308676	H-550	CP Stop Coupling
14.	0308801	H-551-A	CP Adjustable tailpiece 2 1/16" long
15.	5308696	H-553	"O" Ring - 24 per package
16.	3308386	H-700-A	1" Screwdriver Bak-Chek® Stop CP - complete
	3308384	H-700-A	¾" Screwdriver Bak-Chek® Stop CP - complete
17.	3308853	H-541-A	Control Stop Repair Kit*
	3308856	H-543-A	Control Stop Repair Kit**
18.	0308612	H-622	CP Bonnet*
	0308843	H-577	CP bonnet**
19.	3308791	H-1010-A	Vandal resistant Control Stop Cap Assembly*
	3308790	H-1009-A	Vandal resistant Control Stop Cap Assembly**
20.	0308840	H-573	Control Stop Cap CP*
	0308848	H-582	Control Stop Cap CP**
21.	3308866	H-574	Control Stop Cap w/Bumper*
22.	3308867	H-576	Control Stop Cap w/Extended Bumper*

* for use with H-700-A 1" & ¾" and H-600-A 1" screwdriver Bak-Chek® Control Stops.
** for use with H600-A ¾" Screwdriver Bak-Chek® Control Stops.

Information on this page subject to change without notice.

Abreviations:
CP=chrome plate
gpf=gallons per flush
Lpf=Liters per flush
LC=low consumption
w/=with

EcoPower Sensor Faucets

Standard & Gooseneck EcoPower Faucets

- Self-generating hydropowered EcoPower system
- No minimum daily usage requirement
- Micro-sensor positioned underneath the spout head for accurate hand detection ensuring smooth and consistent water distribution
- Vandal resistant aerator housing
- Durable chrome plated spout body
- Single-hole mount
- Equipped with 1.0gpm flow control



Standard Spout

Escutcheon Plate Sold Separately

All parts complete faucet

DESCRIPTION	STOCK NO	EACH
T28S11E#CP - 1.0 GPM		
Spout Chrome	*TLE28003U1CP*	*215.53*
0.18 gpc, 10 second on-demand Controller	*TLE03503U1*	*314.44*
T28S51E#CP - 0.5 GPM		
Spout Chrome	*TLE28002U1#CP*	*215.53*
0.08 gpc, 10 second on-demand Controller	*TLE03502U1#CP*	*349.37*

Standard with Mixing Valve

T28S11ET#CP

All parts complete faucet

DESCRIPTION	STOCK NO	EACH
Spout Chrome	*TLE28003U1CP*	*215.53*
0.18 gpc, 10 second on-demand Controller	*TLE03503U1*	*314.44*
Thermostatic Mixing Valve.	*TLE05701U*	*177.15*
Swivel Coupling for install	*THP3237*	*28.43*



Gooseneck Spout

Escutcheon Plate Sold Separately

All parts complete faucet

DESCRIPTION	STOCK NO	EACH
T24S51E#CP - 0.5 GPM		
Spout Chrome	*TLE24006U1CP*	*367.42*
0.08 gpc, 10 second on-demand Controller	*TLE03502U1*	*314.44*

Standard with Mixing Valve

T24S51ET#CP

All parts complete faucet

DESCRIPTION	STOCK NO	EACH
Spout Chrome	*TLE24006U1CP*	*367.42*
0.08 gpc, 10 second on-demand Controller	*TLE03502U1*	*314.44*
Thermostatic Mixing Valve.	*TLE05701U*	*177.15*

(21)

Optional Escutcheon Plates

SIZE	STOCK NO	EACH
4"	*THP3158*	*44.51*
8"	*THP3159CP*	*96.78*

EcoPower Sensor Flush Valves



Urinal & Toilet Sensor Flush Valves

Designed for new & retrofit installations. Hydro-powered turbine charges the power supply during usage eliminating the need for battery replacement or consumption of external electrical power for up to 10 years. Automatic infrared sensor activated, piston urinal flush valve. Automatic sensor adjustment on installation. Heavy-duty zinc die cast cover with nickel chrome finish. Vandal resistant hex head screws. Manual override button. Piston valve and solenoid with self-cleaning mechanism.

- Spud & Nut Escutcheon
- Sweat Solder Kit

FINISH	ANGLE STOP	VACUUM BREAKER	STOCK NO	EACH
Urinal - Low consumption 1.0 GPF				
Chrome	*3/4"*	*3/4"*	*TEU1GA12*	*605.48*
Urinal - Low consumption .5 GPF				
Chrome	*3/4"*	*3/4"*	*TEU1LA12*	*605.48*
Urinal - Low consumption 0.125 GPF				
Chrome	*3/4"*	*3/4"*	*TEU1UA12*	*605.48*
Toilet - Low consumption 1.6 GPF				
Chrome	*1"*	*1 1/2"*	*TET1GB32*	*605.48*
Toilet - Low consumption 1.28 GPF				
Chrome	*1"*	*1 1/2"*	*TET1LB32*	*605.48*

Manual Exposed Flushometer Valves



Manual Toilet Flushometer Valve

Manual toilet brass flushometer valve, non-hold-open piston with, self-cleaning debris screen and precise flushing capability.

- 1" Angle Stop
- 1 1/2" Vacuum Breaker
- Spud & Nut Escutcheon
- Sweat Solder Kit

Low consumption 1.28 GPF

FINISH	STOCK NO	EACH
Chrome	*TMT1LN32*	*290.82*

Manual Urinal Flushometer Valve

Manual urinal brass flushometer valve, non-hold-open piston with, self-cleaning debris screen and precise flushing capability.

- 3/4" Angle Stop
- 3/4" Vacuum Breaker
- Spud & Nut Escutcheon
- Sweat Solder Kit

Low consumption .5 GPF

FINISH	STOCK NO	EACH
Chrome	*TMU1LN12*	*294.50*

Flush Valve Accessories

(21)

Lithium Battery

FOR USE WITH	STOCK NO	EACH
ALL Ecopower	*THP3053*	*43.74*

Selectronic Lav Faucets



NextGen Selectronic Lav Faucet

Simple, integrated design with No control box below deck and all electronics contained in the faucet spout which installs from the top. Battery and solenoid valve easily accessible Fail-Safe faucet automatically shuts off upon loss of power or dead battery. No reset required. Water pressure range from 20 to 125 psi. Operates on DC (CR-P2 lithium battery)

- SmarTherm™ Safety Shut-Off integrates a thermostatic hot water temperature limiter (ASSE 1070)

FINISH	STOCK NO	EACH
Single Supply • 1.5 GPM		
Chrome	*AS7755115002*	*454.67*
Dual Supply • 1.5 GPM • Above-Deck Mixing		
Chrome	*AS7755215002*	*484.85*
Chrome SmarTherm™	*AS7755315002*	*599.41*
Dual Supply • 0.5 GPM • Above-Deck Mixing		
Chrome SmarTherm™	*AS7755305002*	*599.41*



4" Deck Plate for NextGen Lav Faucets

Metal construction. Center fixation screw prevents rotating. ¼" fixation bolts with quick spin nuts.

6 ½" x 2 ½"

FINISH	STOCK NO	EACH
Chrome	*AS775P400002*	*57.94*

Selectronic Urinal Flush Valve



Innsbrook Selectronic Urinal Flush Valve

- Exclusive, self cleaning piston-operated flush valve with proximity operation and mechanical manul overide.
- Factory-Installed CR-P2 Lithium Battery.
- Water pressure range from 20 to 125 psi.
- Exposed Flushometer for 3/4" Top Spud Urinals - 1.0 GPF.

11¹/₂" Rough-In • Battery Included

FINISH	STOCK NO	EACH
Chrome	*AS6063101002*	*516.82*



Selectronic FloWise Urinal Flush Valve

• Electronic flush valve with Selectronic™ proximity system for "Hands Free" operation.
• Self-Cleaning Piston operation helps prevent clogging and reduces maintenance.
• Fully Mechanical Manual Override Button can flush urinal during a power outage.
• Stadium Feature: Valve automatically switches to water conservation mode during periods of heavy usage. 3/4" Top Spud Urinals - .05 GPF.

11¹/₂" Rough-In • Battery Included

FINISH	STOCK NO	EACH
Chrome	*AS6063051002*	*516.82*

Selectronic Closet Flush Valve



Innsbrook Selectronic Closet Flush Valve

- Exclusive, self cleaning piston-operated flush valve with proximity operation and mechanical manul overide.
- Factory-Installed CR-P2 Lithium Battery.
- Water pressure range from 20 to 125 psi.
- Exposed Flushometer for 1-1/2" Top Spud Bowls - 1.6 GPF.

11¹/₂" Rough-In • Battery Included

FINISH	STOCK NO	EACH
Chrome	*AS6065161002*	*516.82*

Shower Repair Parts

Touch N Flow Shower Valve Repair Kit

Includes 1 of each:

S21-032	Screw Assembly
S88-039	Orifice assembly
S68-005	Guide
118-210	Body
S64-034	Poppet Assembly
135-028	Conical Spring
173-012	Filter
S64-088	Plunger Assembly
S45-125	Parker "O" lube

STOCK NO	EACH
BRS65071	247.79

Compression Valve

DESCRIPTION	STOCK NO	EACH
Valve Stem Assembly (Cold)	BRS02031A	159.33
Valve Stem Assembly (Hot)	BRS02031B	159.33

EquaFlow Repair Fittings

DESCRIPTION	STOCK NO	EACH
EquaFlow Cap Clamp	BR107280	25.97
Handle EquaFlow	BR128161	53.27

Shower Repair Fittings

DESCRIPTION	STOCK NO	EACH
BradTrol Valve Repair Kit	BR3000760	67.42

Washfountain Repair Parts

Multi-Fountain Terrazzo Repair Fittings

DESCRIPTION	STOCK NO	EACH
90-75 STD Repair Kit	BRS65074	271.81
Multi-Fountains Repair Kit	BRS65084	269.66
Universal Push Button	BR128090	54.26
Universal Air Valve Repair Kit	BRS65110	67.74

Diplomat Liquid Soap/Gel Sanitizer Dispenser

- Surface-Mounted
- Tank Type: Vertical
- Dispenser Capacity: 27 oz. liquid soap and gel hand sanitizers
- Viscosity Range: 1cps - 3,000cps (centipoise)

Battery-Operated: 3 "C" batteries (not included)

FINISH	STOCK NO	EACH
Stainless Steel	BR6A0011	146.89



Washfountain Repair Parts

Classic Repair Fittings

DESCRIPTION	STOCK NO	EACH
Manual Mixing Valve (1)	BRS01038	186.69
Foot Lever Pivot Pin (2)	BR152026	12.83
Angle Volume Control (3)	BRS02045	124.29
Foot Valve (4)	BRS07066	481.23
Foot Valve Diaphragm	BR125001Y	16.44
Foot Lever Spring (5)	BR135001W	11.84

Foot Valve Repair Kit

Includes 1 of each:

S21-027	Needle assembly
125-001BW	Gasket
S64-006	Plunger assembly
117-016	Valve seat
125-001Y	Diaphagm
124-001V	Fiber washer
110-095	Body • Needle valve
135-001P	Spring
130-033	Key • Valve seat

STOCK NO	EACH
BRS65001A	238.59

FOR FOOT VALVES MFG. AFTER JAN. 2003

BRS65230	228.72

Check Stop Repair Kit

Includes:

(2)	124-001BV	Fiber Washer
(2)	153-068	Plug • Brass
(1)	156-006	Screen
(1)	124-001AF	Tail piece washer
(1)	135-001AB	Spring
(1)	S21-015	Check Assembly

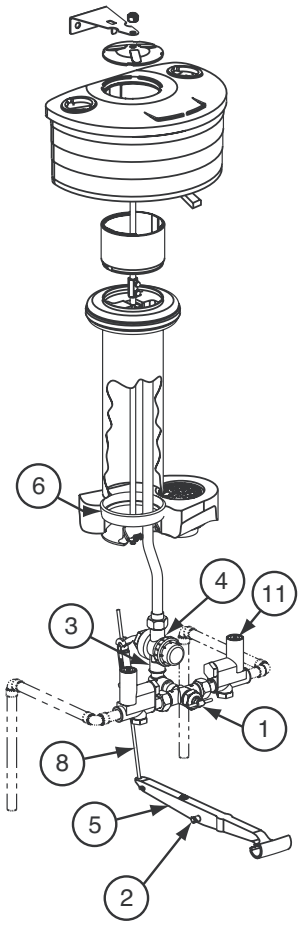
STOCK NO	EACH
BRS45050	73.01

Sprayhead Repair Kit

Includes:

(1)	125-001DE	Neoprene washer • Top
(4)	124-001AL	Washer
(4)	124-001AT	Washer
(4)	160-211	Carriage bolt
(4)	161-025	Nut

STOCK NO	EACH
BRS45051	44.23



Bradley CORPORATION

Bradley Halo Combination Drench Shower / Eye Wash Unit



- Halo™ Delivers the Most Effective Shower and Eye/Face Washdown Coverage and Spray Pattern
- Exceeds American National Standard Z358.1 Specifications
- Separate Supply and Waste Pipes Meets CEN and Plumbing Requirements
- Ergonomic Hand Activation Eyewash Paddle Easy to Reach from Any Direction

FOR USE WITH BRS2150 (EFX20) Mixing Valve

STOCK NO	EACH
BRS19314EW	*1013.15*

Bradley S19-224 Series Wall-Mount Halo Eyewash Unit



- Aquaduct Self-Draining design.
- Chrome-plated ½" IPS stay-open ball eye wash valve operated by large, highly visible yellow PVC push button.
- Impact-resistant yellow plastic eye wash bowl.
- Integral flow control assures safe, steady flow under varying water supply conditions.
- Heavy gauge cast aluminum wall bracket (bolts not included)

STOCK NO	EACH
BRS19224EW	*332.32*

(21)

Bradley Eye Wash Repair Fittings

DESCRIPTION	STOCK NO	EACH
Eyewash Head Tethered	*BR107371*	*15.13*
Eyewash Handle	*BRS45123*	*77.94*
Valve/Handle Pre-Pack	*BRS45122*	*186.79*

Bradley Deck Mount "Swing" Eyewash Fixture



- Chrome-Plated Brass Pipe & Fittings, ½" NPT Supply
- Universal Identification Sign & Inspection Tag
- Exceeds American National Standard Z358.1 Specs
- Full, One-Year Warranty

FOR USE WITH BRS192000 (EFX8) Mixing Valve

DESCRIPTION	STOCK NO	EACH
RH • LESS Bowl	*BRS19274B*	*556.14*
LH • LESS Bowl	*BRS19274BL*	*556.14*



Bradley Thermostatic Mixing Valves

ASSE 1071 & cUPC Certified

DESCRIPTION	GPM @ 30 PSI	STOCK NO	EACH
EFX8 (Eye Wash ONLY)	*7*	*BRS192000*	*681.21*
EFX20 (Combo Unit)	*19.5*	*BRS192150*	*1306.37*
EFX50 (Any 2 Units)	*40.5*	*BRS192250*	*1804.46*

Speakman Emergency Equipment

Speakman EyeSaver Faucet



- Eyewash and Faucet Work Independantly
- Certified ANSI Z358.1 & ASME A112.18.1
- LF suffix is a Laminar flow outlet

Model SEF-1800-CA (LF)

FLOW OUTLET	STOCK NO	EACH
1.5 GPM	*SEF1800CALF*	*1395.38*

Angle Stops



OR15X/OR17X
⅜" OD Compression Outlet, angle, oval handle.

INLET SIZE	FINISH	STOCK NO	EACH
⅜" FIP	Chrome Plated	OR15	17.08
½" FIP	Chrome Plated	OR17	17.08



OCR19X/OCR39X
½" Nominal Compression Inlet, angle, oval handle.

OUTLET SIZE (OD)	FINISH	STOCK NO	EACH
⅜" Comp.	Chrome Plated	OCR19	14.22
⅜" Comp.	Rough Brass	OCR19RB	13.72
½" Comp.	Chrome Plated	OCR39	22.87



PR19X
½" Nominal CPVC Inlet, angle, oval handle.

OUTLET SIZE (OD)	FINISH	STOCK NO	EACH
⅜" Comp.	Chrome Plated	PR19C	23.36



Removal Tool
For Push Connect fittings.

SIZE	STOCK NO	EACH
½" or ¼"	PCT106	2.75



SCR19X/SCR39X
½" Nominal Compression Inlet, angle, loose key

OUTLET SIZE (OD)	FINISH	STOCK NO	EACH
⅜" Comp.	Chrome Plated	SCR19	27.55
½" Comp.	Chrome Plated	SCR39	36.23



R19X
½" Nominal Sweat Inlet, ⅜" OD Comp., angle

FINISH	STOCK NO	EACH
Chrome Plated	R19	19.98



CR1901LRX/CR3901LRX Dual Outlet Valves
½" Nom. Comp. Inlet, ⅜" OD Comp. Side Outlet.

RISER OUTLET (OD)	FINISH	STOCK NO	EACH
½" Comp.	Rough Brass	CR3901LR	71.44



CR1901DVX
Dual shut-off for two independant supply lines.
- 1/2" Nominal Compression Inlet
- 3/8" OD Compression Riser Outlet
- 3/8" OD Compression Side Outlet

FINISH	STOCK NO	EACH
Rough Brass	CR1901DVR	97.67



CR1901DVSX
Straight dual shut-off for two supply lines.
- 1/2" Nominal Compression Inlet
- 3/8" OD Compression Riser Outlet
- 3/8" OD Compression Side Outlet

FINISH	STOCK NO	EACH
Rough Brass	CR1901DVSR	101.13

¼ Turn Stops



G2CR19X
½" Nominal Comp. Inlet, ⅜" OD Comp., angle

FINISH	STOCK NO	EACH
Chrome Plated	G2CR19	13.89



G2PS09X/G2PS19X
½" Nominal Push Connect Inlet, angle

OUTLET SIZE (OD)	FINISH	STOCK NO	EACH
¼" Comp.	Chrome Plated	G2PS09XC	19.89
⅜" Comp.	Chrome Plated	G2PS19XC	14.30



G2CR09X R
½" Nominal, compatible with copper piping, angle

OUTLET SIZE (OD)	FINISH	STOCK NO	EACH
¼" Comp.	Rough Brass	G2CR09	18.31



G2CEP09X/G2CEP19X
½" Nominal
F1960 Cold Expansion PEX Barb Inlet, angle

OUTLET SIZE (OD)	FINISH	STOCK NO	EACH
¼" Comp.	Chrome	G2CEPX09XC	20.88
⅜" Comp.	Chrome	G2CEPX19XC	11.02



G2BRPX19X
½" Nominal Crimp Barbed PEX Inlet,
⅜" OD Compression Outlet, angle, ASTM F1807

FINISH	STOCK NO	EACH
Chrome Plated	G2BRPX19XC	11.02



KTCR19X
½" Nominal Comp. Inlet, ⅜" OD Comp. Outlet.

FINISH	STOCK NO	EACH
Chrome Plated	KTCR19XC	19.56



KTSCR19X
½" Nominal Compression Inlet, angle, loose key.

OUTLET SIZE (OD)	FINISH	STOCK NO	EACH
⅜" Comp.	Chrome Plated	KTSCR19C	34.44

Straight Stops



OR10X/OR12X

3/8" OD Compression Outlet, straight, oval handle

INLET SIZE	FINISH	STOCK NO	EACH
3/8" FIP	Chrome Plated	OR10	20.90
1/2" FIP	Chrome Plated	OR12	20.90



OCR14X/OCR34X

1/2" Nom. Compression Inlet, straight, oval handle

OUTLET SIZE (OD)	FINISH	STOCK NO	EACH
3/8" Comp	Chrome Plated	OCR14	15.46
3/8" Comp	Rough Brass	OCR14RB	14.86
1/2" Comp	Chrome Plated	OCR34	23.30



PR14X

1/2" Nom. CPVC inlet, 3/8" OD Comp., oval handle

FINISH	STOCK NO	EACH
Chrome Plated	PR14C	25.35



R14X

1/2" Nom. Sweat Inlet, 3/8" OD Comp., oval handle

FINISH	STOCK NO	EACH
Chrome Plated	OR14	21.63



DRS44MX

1/2" Nominal Female Sweat Inlet,
1/2" Nominal Male Sweat Outlet,
Screwdriver Slot Shut-off

FINISH	STOCK NO	EACH
Rough Brass	DRS44MR	48.79



G2CR14X

1/2" Nominal Comp. Inlet, 3/8" OD Comp. Outlet

FINISH	STOCK NO	EACH
Chrome Plated	G2CR14	15.08



G2PS14XC

1/2" Nom. Push Connect Inlet, 3/8" OD Comp. Outlet

FINISH	STOCK NO	EACH
Chrome Plated	G2PS14XC	14.30



Push Removal Tool

For Push Connect fittings.

SIZE	STOCK NO	EACH
1/2" or 1/4"	PCT106	2.75



G2BRPX14X

1/2" Nominal Crimp Barb PEX Inlet,
3/8" OD Compression Outlet

FINISH	STOCK NO	EACH
Chrome	G2BRPX14XC	11.02



G2CEPX14X

1/2" Nominal F1960 Cold Expansion PEX Barb Inlet,
3/8" OD Compression Outlet

FINISH	STOCK NO	EACH
Chrome	G2CEPX14XC	11.02

Supply Fittings



70-6-8X

3/8" OD Tube

SIZE	FINISH	STOCK NO	EACH
1/2" FIP	Chrome Plated	BC17	23.02



Compression Nut

3/8" OD Tube, Lead Free

FINISH	STOCK NO	EACH
Nickel Plated	616C	2.43

(02a)



Compression Cap

OD TUBE	MODEL NO	STOCK NO	EACH
3/8"	61CP-6X	38CCCAP	3.90



10X/11X/12X/13X

3/8" OD Tube, Lead Free

SIZE	FINISH	STOCK NO	EACH
3/8" FIP	Chrome Plated	BC10	12.92
3/8" MIP	Chrome Plated	BC11	5.73
1/2" FIP	Chrome Plated	BC12	14.97
1/2" MIP	Chrome Plated	BC13	6.47

(02a)



Compression Female Tee Adaptors

3/8" OD Tube x 3/8" OD Tube x Comp. Nut

COMP. NUT	MODEL NO	STOCK NO	EACH
1/4" Female	CT2-664X	CT2664XP	15.00
3/8" Female	CT2-666X	CT2666XP	15.00

Flexible Closet Supplies

(18)
Braided Polymer Closet Supply
3/8" Comp. Inlet x 7/8" Ballcock Nut Outlet



MODEL NO	LENGTH	STOCK NO	EACH
B1-20DL F	20"	B120DL	9.07

(18)
Fluidmaster PRO Series Stainless Steel Closet Supply
3/8" Comp. Inlet x 7/8" Ballcock Nut Outlet



LENGTH	STOCK NO	EACH
9"	FLPRO1T09	4.47
12"	FLPRO1T12	4.73
16"	FLPRO1T16	5.43
20"	FLPRO1T20	5.87

Anti-Sweat Valve (18)

Watts WAS Anti-Sweat Closet Valve
For toilet tanks. Mixes hot water with cold supply water to avoid condensation build-up on outside of tank (maximum temp 180°F.) 1/2" Cast brass, compression or IPS male connections.



STOCK NO	EACH
WAS	99.08

Closet Tube Only

Copper Toilet Risers
3/8" OD Tube Crome Plated Riser



MODEL NO	LENGTH	STOCK NO	EACH
1-12DL C	12"	112DL	8.61
1-20DL C	20"	120DL	14.89

Copper Toilet Riser
3/8" OD Tube, Crome Plated with Heavy Duty Rubber Nosepeice.



MODEL NO	LENGTH	STOCK NO	EACH
1-20DE C	20"	120DEC20	19.97

(02)
Oatey Toilet Riser
3/8" PEX Supply tubes for Residentail or Commercial



MODEL NO	LENGTH	STOCK NO	EACH
34315	12"	OA34315	2.10
34317	20"	OA34317	2.61

(02)
Oatey PEX Celcon Compression Sleeve
Sold in bag quantities of 48 only.



DESCRIPTION	STOCK NO	EACH
Fits 3/8" OD Risers	OA34018	.15

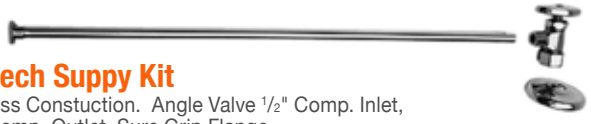
Closet Tube Kits

OCR1912DLX
1/2" Nom. Comp. Inlet, 3/8" OD Comp. Angle Valve, 3/8" OD x 12" tube, 1 Bell Flange



FINISH	STOCK NO	EACH
Chrome Plated	OCR1912DL	41.89

(18)
Brasstech Suppy Kit
Solid Brass Constuction. Angle Valve 1/2" Comp. Inlet, 3/8" OD Comp. Outlet. Sure Grip Flange. 3/8" OD x 20" Flat Head Rigid Supply Tube.



FINISH	HANDLE	STOCK NO	EACH
Oil Rubbed Bronze	Oval	48210B	152.43
Satin Nickel	Lever	48215S	152.43

OCR1912AX



½" Nom. Comp. Inlet, ⅜" OD Comp. Angle Valve, ⅜" OD x 12" tube, 1 Shallow Flange

FINISH	STOCK NO	EACH
Chrome Plated	OCR1912A	82.07

CS600



½" OD Tube Sweat Copper Riser for faucet installs with shank nut and nosepiece

FINISH	LENGTH	STOCK NO	EACH
Rough Brass	12"	CS600	17.74

Thread Brass Basin Nut



SIZE	STOCK NO	EACH
½"	BN12916B	1.99

Copper Faucet Risers



⅜" OD Tube Copper Riser for faucet installs, with one-piece formed metal nosepiece with insert

MODEL NO	FINISH	LENGTH	STOCK NO	EACH
1-12A C	Chrome Plated	12"	112A	8.07
1-12A R	Rough Brass	12"	112ARB	6.29
1-20A C	Chrome Plated	20"	120A	12.16
1-20A R	Rough Brass	20"	120ARB	11.14
1-20A PP	Polished Brass	20"	120APB	46.77
1-30A C	Chrome Plated	30"	130A	26.50
1-30A R	Rough Brass	30"	130ARB	20.12
1-36A C	Chrome Plated	36"	136A	31.25

½" OD Tube Copper Riser for faucet installs

MODEL NO	FINISH	LENGTH	STOCK NO	EACH
3-12A C	Chrome Plated	12"	312A	17.66

Copper Faucet Risers



⅜" OD Tube Copper Riser for faucet installs, with a ⅜" compression nosepiece

MODEL NO	FINISH	LENGTH	STOCK NO	EACH
1-12KC C	Chrome Plated	12"	112KC	15.39
1-12CK R	Rough Brass	12"	112KCRB	13.96
1-20KC C	Chrome Plated	20"	120KC	18.60

(18)

Speedi Plumb® Stainless Steel Flexible Supply



⅜" Comp. Inlet x ½" FIP Outlet

MODEL NO	LENGTH	STOCK NO	EACH
S1-16A F	16"	S116AF	4.89

(18)

Speedi Plumb® Polymer Flexible Supply



½" Comp. Inlet x ½" FIP Outlet

MODEL NO	LENGTH	STOCK NO	EACH
B3-30A F	30"	B330AF	20.80

(18)

Pro Series® Stainless Steel Flexible Supply



⅜" Comp. Inlet x ½" FIP Outlet

MODEL NO	LENGTH	STOCK NO	EACH
PRO1F12	12"	FLPRO1F12	4.95
PRO1F16	16"	FLPRO1F16	5.43
PRO1F20	20"	FLPRO1F20	5.87
PRO1F30	30"	FLPRO1F30	7.02



⅜" Comp. Inlet x ⅜" Comp. Outlet

MODEL NO	LENGTH	STOCK NO	EACH
PRO6F12	12"	FLPRO6F12	5.95
PRO6F20	20"	FLPRO6F20	8.28



⅜" Comp. Inlet x ⅜" OD Copper Outlet

MODEL NO	LENGTH	STOCK NO	EACH
PRO8F12	12"	FLPRO8F12	5.59
PRO8F20	20"	FLPRO8F20	7.05

(02)

Oatey Sink Supplies



⅜" PEX Supply tubes for Residentail or Commercial

MODEL NO	LENGTH	STOCK NO	EACH
34312	20"	OA34312	2.61
34313	30"	OA34313	3.09

(21)
Dishwasher Elbow Fitting

3/8" MIP Inlet x 3/4" Garden Hose Swivel

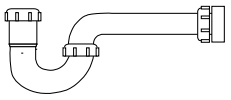
FINISH	STOCK NO	EACH
Brass	LF769GH	9.02

(18)
Fluidmaster Dishwasher Water Supply Connectors

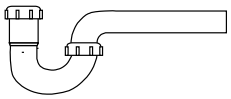
Includes dishwasher elbow.
Heavy duty brass hex nuts, nickle plated.
3/8" Female Compression Thread
x 3/8" Female Compression Thread

LENGTH	STOCK NO	EACH
48"	FLB6W48K	20.71
60"	FLB6W60K	23.30
72"	FLB6W72K	25.92

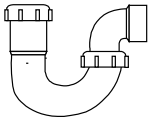
Additional Dishwasher Supplies on page 415

ABS/PVC "Mastertrap" P-Trap

Adapter connects 1½" tube size to Sch. 40 stub-out with 1¼" and 1½" inlet slip joint adapter washers.

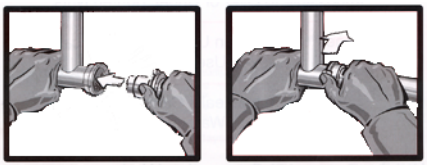
TYPE	STOCK NO	EACH
ABS	DBA9703WBG	3.13
PVC	DBP9703WBG	3.13

PVC "Mastertrap" P-Trap

Adapter connects 1¼" tube size to Sch. 40 stub-out.
LESS Flange.

TYPE	STOCK NO	EACH
PVC	DBP9701	3.61

PVC "Mastertrap" Sink Trap

Adapter connects 1½" tube size to Sch. 40 stub-out with 1¼" and 1½" inlet slip joint adapter washers.

TYPE	STOCK NO	EACH
PVC	DBP9702	4.29

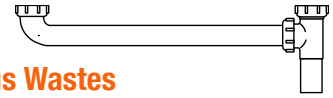

Just Load... And Lock!

No. 837 ABS/PVC 1½" Bayonet P-Trap Asseembly
- One-quarter turn, no-leak tubular connection.
- Saves time,eliminates leaks and costly call backs.
- Impossible to over or under tighten nuts.
- Utilizes pre-lubricated, easy-to use O-rings.
- Eliminates leaks caused by damaged or warped washers.
- Includes P-trap, Bayonet twistlock nuts, O-rings, Marvel adapter and 1½" to 1¼" rubber reducing bushing.

TYPE	STOCK NO	EACH
ABS	837ABSBG	7.34
PVC	837PVCBG	7.34

ABS and PVC Tubular Waste Products (18)

oatey.com



Continuous Wastes

TYPE	LENGTH	STOCK NO	EACH
Hi-Line, 1½" Baffle Tee End Outlet			
Bagged ABS			
Direct Connect	*16"*	*T530YABSBG*	*8.32*
PVC Direct Connect	*17"*	*DBP9121*	*7.98*
ABS Direct or Slip	*17"*	*DBA9121A*	*8.42*
PVC Direct or Slip	*17"*	*DBP9121A*	*8.42*
PVC Direct or Slip	*21"*	*DBP9121B*	*21.52*
Hi-Line, 1½" Telescopic End Outlet			
PVC Direct Connect	*17"*	*DBP9121ATBG*	*11.28*
ABS Direct or Slip	*17"*	*DBA9121AT*	*10.86*
PVC Direct or Slip	*17"*	*DBP9121AT*	*11.92*
PVC Direct Connect	*21"*	*DBP9121T*	*20.59*
Hi-Line, 1½" Baffle Tee End Outlet - TPR Washers			
ABS Direct or Slip	*16"*	*DBA9108AB*	*5.97*
PVC Direct or Slip	*16"*	*DBP9108AB*	*5.97*



Slip Joint Connection

1½" x 8" x ¾" Branch

TYPE	STOCK NO	EACH
ABS Slip Joint	*DBAP9817*	*3.41*

1½" Single Flange Sink Tailpieces

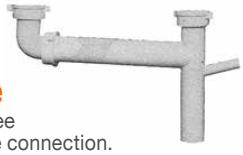


TYPE	LENGTH	STOCK NO	EACH
ABS	*8"*	*DBA9801*	*1.60*
PVC	*8"*	*DBP9801*	*1.52*
ABS	*12"*	*DBA9803*	*2.05*
PVC	*12"*	*DBP9803*	*1.94*

1½" Double Flanged Sink Tailpieces



TYPE	LENGTH	STOCK NO	EACH
ABS	*16"*	*DBA9803E*	*2.57*
PVC	*16"*	*DBP9803E*	*2.47*



End Outlet Waste

Telescopic with baffle tee and Y branch discharge connection.

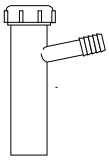
TYPE	TELESCOPIC	Y BRANCH	STOCK NO	EACH
PVC	*12-16"*	*1/2"*	*DBP9121AT8*	*11.84*
PVC	*11½"-16"*	*3/4"*	*DBP9121AT12*	*11.21*



End Outlet Waste with Dishwasher Branch

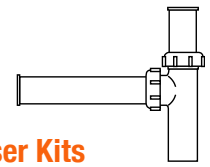
1½" Telescopic EO White PP DC.

TYPE	TELESCOPIC	Y BRANCH	STOCK NO	EACH
PVC	*12-16"*	*1/2"*	*T500DS12PVCBG*	*19.37*



Dishwasher Branch Tailpieces

TYPE	STOCK NO	EACH
1½"x1½"x8" Length with ⅝" OD Branch		
PVC Slip Joint,		
TPR Washers	*DBPP9816*	*3.41*
ABS Slip Joint	*DBAP9816*	*3.41*
PVC Direct Connect,		
TPR Washer	*DBPP9818*	*3.41*
1½"x1½"x8" Length with ⅞" OD Branch		
PVC Direct Connect.	*308W*	*3.72*
PVC Slip Joint	*DBPP9817*	*3.41*
1½"x1½"x8" Length with ¾" Branch		
PVC Direct Connect.	*DBPP9819*	*3.41*



Plastic 1½" Disposer Kits

TYPE	STOCK NO	EACH
ABS Baffle Tee,		
Disposer Gasket	*DBA9100*	*8.06*
PVC Baffle Tee, Disposer Gasket,		
TPR Washers	*DBP9100B*	*7.02*

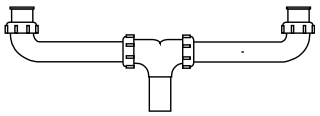
No. 610 Bayonet Disposer Waste Asseembly Kit



- Tee and nuts
- 6" and 10" tailpiece
- Disposer connection washer
- Telescopic - fully adjustable
- 1½", Bagged

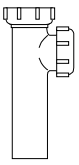
See page 405 for description of "Bayonet"

TYPE	STOCK NO	EACH
PVC	*610PVCBG*	*19.60*



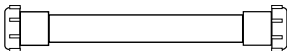
PVC Hi-Line Baffle Tee Center Outlet Continuous Waste

TYPE	STOCK NO	EACH
PVC Direct or Slip,		
TPR Washers	*DBP9123ABG*	*7.58*

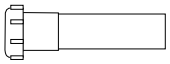


1½" End Outlet Continuous Waste

TYPE	STOCK NO	EACH
PVC Slip Joint, Baffle Tee	*DBP9185*	*3.23*



Plastic Slip Joint Extension Tubes



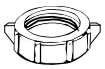
TYPE	SIZE	STOCK NO	EACH
Single Connect			
ABS	*1½"x8"*	*DBA9792A*	*2.78*
PVC, TPR Washers	*1½"x8"*	*DBP9792A*	*3.01*
Double Connect			
PVC, TPR Washers	*1¼"x16"*	*DBP9791E*	*6.22*
ABS, TPR Washers	*1½"x16"*	*DBA9793E*	*3.29*
PVC, TPR Washers	*1½"x16"*	*DBP9793E*	*3.57*

Plastic Extension Tubes



TYPE	SIZE	STOCK NO	EACH
PVC Solvent Weld	*1½"x8"*	*DBP9786A*	*5.69*

PVC Slip Joint Nut



SIZE	STOCK NO	EACH
1¼" Less washer	*DBP9001A*	*1.34*
1½" Less washer	*DBP9001*	*.81*

Sioux Chief Washers (18)

Slip-Joint Washers



Beveled for better seal with standard slip nut.

SIZE	COLOR	STOCK NO	EACH
1¼"	*Red*	*SC9965S*	*.27*
1½"	*Red*	*SC9966S*	*.24*
1½"	*Poly*	*SC9966*	*.21*
1½" x 1¼"	*Red*	*SC9968S*	*.25*

Tailpiece Washers

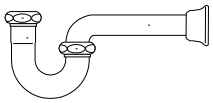


Beveled for better seal with standard slip nut.

SIZE	COLOR	STOCK NO	EACH
1½"	*Red*	*SC9916S*	*.35*

Brass Tubular Waste Products (16)

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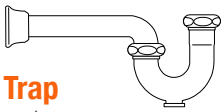
Seamless Bent Tube "P" Trap

Chrome Plated, Deep Flange without Cleanout

SIZE	STOCK NO	EACH
1¼" 20 Ga. TPR Washers	DB700DF1	40.14
1½" 20 Ga. TPR Washers	DB702DF1	49.14
1¼" 17 Ga. TPR Washers	DB701DF1	43.19
1½" 17 Ga. Red/TPR Washers	DB704DF1	52.29

Chrome Plated, Shallow Flange without Cleanout

SIZE	STOCK NO	EACH
1½" 20 Ga. TPR Washers	DB7021	45.26
1½" 17 Ga. Red/TPR Washers	DB7041	48.69



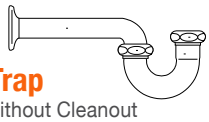
Regular Tube "P" Trap

Chrome Plated with Cleanout

SIZE	STOCK NO	EACH
1½" 20 Ga. TPR Washers	DB7081	110.69
1¼" 17 Ga. TRP Washers	DB7071	60.01
1¼" x 1½" 17 Ga. with Reducing Nut & TPR Washers	DB7101	69.41

17 Ga. Chrome Plated, Deep Flange with Cleanout

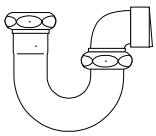
SIZE	STOCK NO	EACH
1¼" TPR Washers	DB707DF1	100.43
1½" Reducer/TPR Wahsers	DB710DF1	86.57



Low Inlet Regular Tube "P" Trap

17 Ga. Polished Chrome without Cleanout

SIZE	STOCK NO	EACH
1¼" TPR Washers	DB711A1	91.32
1½"	DB714A1	109.72



Seamless Bent Tube Sink Traps

1½" IPS Outlet, Chrome Plated, Shallow Flange without Cleanout, Reducer Washer, Ground joint

SIZE	STOCK NO	EACH
1½" 17 Ga.	DB7401	102.03



Trap Offset

22 Ga. Polished Chrome Double Offsets

SIZE	STOCK NO	EACH
1¼"x1¼"	DB10461	33.60
1½"x1½"	DB1046A1	38.22

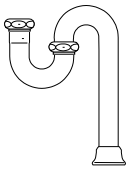


(18)
(18)

Dearborn® Wall Tube

17 Ga. Brass with Chrome Plated Finish

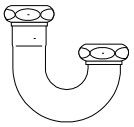
SIZE	STOCK NO	EACH
1½"x12"	DB402A171	68.09



Seamless Bent Tube "S" Traps

20 Ga. Chrome, Deep Flange without Cleanout

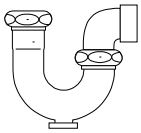
SIZE	STOCK NO	EACH
1¼"x1¼"	324CPDF	75.91



"J" Bends For Tube Traps

Chrome Plated without Cleanout

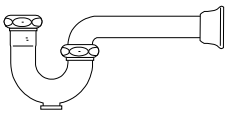
SIZE	STOCK NO	EACH
1¼"x1¼" 20 Ga.	DB6501	48.41
1¼"x1¼" 17 Ga. TPR Washer	DB6521	63.42
1½"x1½" 17 Ga.	DB6531	53.44



Cast Brass Swivel Sink Trap

Polished Chrome, 1½" IPS Elbow, Ground Joint, Brass Nuts, Reducing Washer with Cleanout

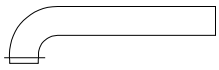
SIZE	STOCK NO	EACH
1½"x1½"	DB710GBN1	104.70



Semi Cast "P" Traps

Polished Chrome, Deep Flange with Cleanout

SIZE	STOCK NO	EACH
1¼"x1¼" 17 Ga.	DB5071	63.60
1½"x1½" 17 Ga.	DB5101	74.62



(18)

Wall Bends

17 Ga. Chrome Plated

SIZE	LENGTH	STOCK NO	EACH
1¼"x1¼"	10"	DB401A171	59.19
1¼"x1¼"	15"	DB401B171	101.31
1½"x1½"	15"	DB402B171	128.82



McGuire Mfg. Heavy Cast Brass "P" Trap

Chrome Shallow Flange with Cleanout, Slip Nuts

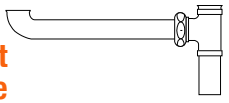
SIZE	STOCK NO	EACH
2"x2"	MC8904C17CP	305.61



McGuire Mfg. Tailpiece

17 Ga. Chrome Plated

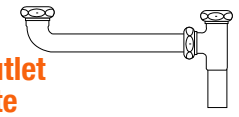
SIZE	LENGTH	STOCK NO	EACH
2"x2"	12"	MC26412	79.02



Hi-Line End Outlet Continuous Waste

Chrome Plated, Direct Connect

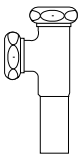
SIZE	STOCK NO	EACH
1½"x16" 17 Ga. TPR Washer	DB131A1	91.40
1½"x16" 22 Ga.	DB2121A1	67.73
1½"x21" 20 Ga.	1813ASN	108.67



Slip Joint End Outlet Continuous Waste

Chrome Plated

SIZE	STOCK NO	EACH
1½"x16" 17 Ga.	DB111A1	93.93
1½"x16" 20 Ga. TPR Washers	DB108A1	75.51

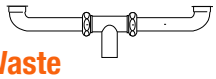


(18)

Baffle Tee

Chrome Plated, Slip Joint

SIZE	STOCK NO	EACH
1½"	DB2185C	31.93



Center Outlet Continuous Sink Waste

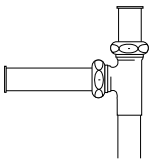
Chrome Plated, Direct Connect

SIZE	STOCK NO	EACH
1½"x16" 22 Ga. TPR Washer	DB2123A1	69.95
1½"x16" 20 Ga.	DB123A1	163.54



Chrome Plated, Slip Joint

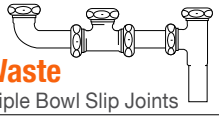
SIZE	STOCK NO	EACH
1½"x16" 20 Ga.	DB114A1	147.34



Space Saver Disposer Kit

Chrome Plated, C to E

SIZE	STOCK NO	EACH
1½"x13" 17 Ga. Baffle Tee	DB100171	101.82



3 Part End Outlet Continuous Sink Waste

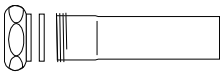
Chrome Plated, C to C, Triple Bowl Slip Joints

DESCRIPTION	STOCK NO	EACH
1½"x24" 20 Ga.	DB109201	446.14

Brass Tubular Waste Products (16)

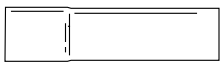
oatey.com

Extension Tubes



20 Ga. Chrome Plated, Slip Joint, TPR Washers

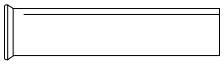
SIZE	LENGTH	STOCK NO	EACH
1¼"x1¼"	6"	DB790201	29.08
1¼"x1¼"	8"	DB790A201	35.14
1¼"x1¼"	12"	DB791A201	28.58
1½"x1½"	6"	DB792201	39.97
1½"x1½"	8"	DB792A201	38.46
1½"x1½"	12"	DB793A201	50.61



17 Ga. Chrome Plated, Solder type

SIZE	LENGTH	STOCK NO	EACH
1½"x1½"	12"	1247P	41.50

Sink Tailpieces



Chrome Plated, Flanged

SIZE	LENGTH	STOCK NO	EACH
1½"x1½" 22 Ga.	4"	DB7991	8.07
1½"x1½" 20 Ga.	6"	DB800201	18.29
1½"x1½" 20 Ga.	8"	DB801201	23.05
1½"x1½" 20 Ga.	12"	DB803201	30.98
1½"x1½" 17 Ga.	6"	DB800171	29.89
1½"x1½" 17 Ga	8"	DB801171	35.83
1½"x1½" 17 Ga	12"	DB803171	30.84

Reducing Sink Tailpiece



Chrome Plated, Flanged

SIZE	LENGTH	STOCK NO	EACH
1¼" x 1½" 20 Ga.	8"	DB7961	29.86

Threaded Tubes



Chrome Plated, Threaded Both Ends

SIZE	LENGTH	STOCK NO	EACH
1¼"x1¼" 20 Ga.	12"	DB8221	18.83
1⅜"x1⅜" 20 Ga.	12"	DB8241	43.93
1½"x1½" 20 Ga.	8"	DB825A1	39.88
1½"x1½" 20 Ga.	12"	DB8271	26.91
1¼"x1¼" 17 Ga.	8"	DB820C1	42.92
1¼"x1¼" 17 Ga.	12"	DB822A1	23.36
1½"x1½" 17 Ga.	12"	DB827A1	60.50

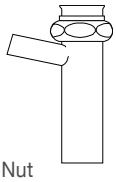
(02)

Chrome Plated Brass Pipe/Tube



SIZE	LENGTH	STOCK NO	EACH
1½" OD	6"	112X6CPBRTU	385.53

Dirrect Connect Branch Tailpiece



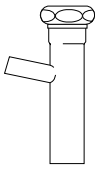
Chrome Plated, ¾" (⅞" OD) Branch for Hose and Clamp or Sweat, Brass Nut

SIZE	LENGTH	STOCK NO	EACH
1½"x1½" 22 Ga.	6"	DB814A1	43.42

Chrome Plated, ½" Copper Sweat Branch for Hose and Clamp or Sweat, Brass Nut

SIZE	LENGTH	STOCK NO	EACH
1½"x1½" 22 Ga.	6"	DB812A1	27.06

Slip Joint Branch Tailpiece



Chrome Plated, ¾" (⅞" OD) Branch for Hose and Clamp or Sweat

SIZE	LENGTH	STOCK NO	EACH
1½"x1½" 22 Ga.	8"	DB814ET1	31.24

(18)

Shallow Pattern Wrought Flanges



SIZE	STOCK NO	EACH
Chrome Plated		
⅝" OD for ½" Nom.	DB1099	.55
⅞" OD for ¾" Nom.	DE1099A	.45
⅜" IPS	DB1100	.65
½" IPS	DB1101	.61
¾" IPS	DB1101A	.69
1¼" OD	DB1102	.81
1½" IPS.	DB1106	.76
Polished Brass 1099 (649P)		
⅝" OD for ½" Nom.	DE1099PB	14.03
White 920-2W		
⅝" OD	9202W	.24
Matte Black		
15/32" OD	DERP6025BL	41.59

(18)

Deep Pattern Wrought Flanges



“Sure Grip” Chrome Plated

SIZE	STOCK NO	EACH
⅝" OD for ½" Nom.	DB1107C	1.96
½" I.P.S	DB1110	2.03
1¼" O.D.	DB1114	2.21
1½" O.D.	DB1115	2.21

(18)

Deep Box Pattern Wrought Flanges



“Sure Grip” Chrome Plated

SIZE	STOCK NO	EACH
1¼" O.D.	DB1116	3.48
1¼" I.P.S.	DE1116A	5.80
1½" O.D.	DB1117	3.83
1½" I.P.S.	DB1117A	5.08

(18)

Box Pattern Flanges



“Trim-Tite” White

SIZE	STOCK NO	EACH
1¼" O.D.	9225W	1.10
1½" O.D.	9226W	1.10

SaniGuard

mcguiremfg.com



ProDrain

2¼" Chrome Cast Brass Grid Drain
Less overflow - 1¼" O.D.

SIZE	STOCK NO	EACH
2¼"x8 5/16"	PRODRAINSAN	67.96



P-Trap with Clean-Out

Chrome Plated

SIZE	STOCK NO	EACH
1¼"x1¼"	MC8872CBSAN	112.08
1½"x1½"	MC8912CBSAN	121.09



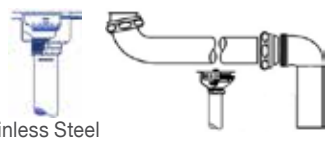
Open Grid PO Plug

Lavatory • Chrome Plated • 17ga

SIZE	STOCK NO	EACH
1¼"x6"	MC155ASAN	66.47

OFFSET Wheelchair Lavatory

SIZE	STOCK NO	EACH
1¼"	MC155WCSAN	100.87



Kitchen Strainer

Kitchen • Stainless Steel

SIZE	STOCK NO	EACH
1½"x4"	MC151ASAN	87.96

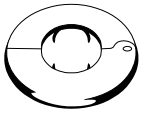
OFFSET Kitchen Strainer

SIZE	STOCK NO	EACH
2⅛"x4"	MC1151WCSAN	293.37

Miscellaneous Tubular Brass (18)

oatey.com

Hinged Floor and Ceiling Plates



Chrome Plated
Heavy Grade with Springs

SIZE	STOCK NO	EACH
For Iron Pipe		
3/8" IPS	DB5350H	6.09
1/2" IPS	10212	2.87
3/4" IPS	10234	3.00
1" IPS	1021	3.12
1 1/4" IPS	102114	3.12
1 1/2" IPS	102112	3.25
2" IPS	1022	4.50
2 1/2" IPS	DB5357H	11.04
3" IPS	DB5358H	12.26
4" IPS	1024	9.99
5" IPS	1025	26.60
For Copper		
1/2" Nom, 5/8" OD	10512	3.37
3/4" Nom, 7/8" OD	10534	3.37
1" Nom, 1 1/8" OD	1051	5.00
1 1/4" Nom, 1 3/8" OD	105114	5.00

Snap One™ Floor and Ceiling Plates



100% rust proof, Split for pre-piped jobs.

SIZE	COLOR	STOCK NO	EACH
For Iron Pipe			
1/2"	Chrome plated ABS	SC9272	1.51
3/4"	Chrome plated ABS	SC9273	1.66
1"	Chrome plated ABS	SC9274	1.77
1 1/2"	Chrome plated ABS	SC9276	2.49
2"	Chrome plated ABS	SC9277	2.77
1/2"	White ABS	SC9272W	1.03
3/4"	White ABS	SC9273W	1.04
1"	White ABS	SC9274W	1.21
1 1/2"	White ABS	SC9276W	1.44
2"	White ABS	SC9277W	1.43
3"	White ABS	SC9278W	2.69
For Copper			
1/2"	Chrome plated ABS	SC9262	1.51
3/4"	Chrome plated ABS	SC9263	1.55
1"	Chrome plated ABS	SC9264	1.68
1/2"	White ABS	SC9262W	.99
3/4"	White ABS	SC9263W	1.04
1"	White ABS	SC9264W	1.22

siouxchief.com

Tee



Slip Joint All Ways
Chrome Plated

SIZE	STOCK NO	EACH
1 1/2"	DB8481	51.99

90° Elbow



Slip Joint x Slip Joint
Chrome Plated

SIZE	STOCK NO	EACH
1 1/4"	DB8482	28.40
1 1/2"	DB8483	33.71

45° Elbow



Slip Joint x Slip Joint
Chrome Plated

SIZE	STOCK NO	EACH
1 1/4"	DB8477	30.95
1 1/2"	DB8478	36.58

Ground Joint Waste Connection (18)

Female



SIZE	STOCK NO	EACH
1 1/4"	DB1012	11.21
1 1/2"	DB1013	14.01
1 1/2x1 1/4"	DB1014	11.83

Male



SIZE	STOCK NO	EACH
1 1/4"	DB1004	11.78
1 1/2"	DB1005	13.22
1 1/4x1 1/2"	DBR1006	9.23

Compression Rings



SIZE	STOCK NO	EACH
1 1/4"	BC90	5.70
1 1/2"	BC96	6.70

Slip Joint Nut With Washer

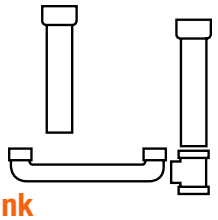


Chrome plated

SIZE	STOCK NO	EACH
1 1/4" IP x 1 1/4" OD to Slip	DB8007	6.00
1 1/2" IP x 1 1/4" OD to Slip	DB8008	6.14
1 1/2" IP x 1 1/2" OD to Slip	DB8006	5.75
2" IP x 2" OD to Slip	DB8011	7.78

Insulation Kits

ipscorp.com



Insulation Kit for Double Bowl Sink

Two basket strainer covers and center or end outlet waste covers (adjustable)
NOTE: Use with 102EZ or IPS82525 Kits (below)

STOCK NO	EACH
107EZ	227.49

Wheelchair Offset Strainer Cover



For institutional applications

STOCK NO	EACH
105EZ	25.17

Basket Strainer and Offset Waste Cover



Adjustable to 18"

STOCK NO	EACH
106EZ	196.64

P-Trap Insulator Kit



1 P-trap cover, 2 angle valves and supply covers

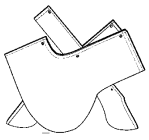
STOCK NO	EACH
102EZ	76.45

Angle Valve and Supply Cover



STOCK NO	EACH
99EZ	55.16

P-Trap Insulator Kit



Velcro, flexible fit for institutional applications

STOCK NO	EACH
IPS82525	96.83

Pre-Cut Lav Shield



For American Standard Lucerne.

STOCK NO	EACH
2018ASL	427.02

Basin Nut



SIZE	STOCK NO	EACH
1/2"	BN12	1.20

Sink Strainers (18)

oatey.com

Basket Strainers

No. 17 Spin-N-Lock Basket Strainer



Fits: 3½" opening
Buffed rim. All Stainless Steel

STOCK NO	EACH
DB17	22.91

No. 9 Basket Strainer



Fits: 3½" opening
ABS plastic body
Stainless steel rim and basket

STOCK NO	EACH
DB9	6.17

No. 10 Basket Strainer



4" sink drain
Stainless steel strainer basket and brass slide post

STOCK NO	EACH
DB10	13.59

No. 15 Deep Basket Strainer



Power Ball Lock
Stainless steel body and basket. Locking cup. Neoprene stopper w/snap-in basket. 2 ¾". Fits deep cast iron sinks.

STOCK NO	EACH
DB15	20.27

No. 14 Shallow Basket Strainer



Stainless steel body and basket. Locking cup. Neoprene stopper w/snap-in basket. 2 ¾". Fits deep cast iron sinks.

STOCK NO	EACH
DB14	12.87

No. 16 Basket Strainer



Fits: 3½" opening
Locking cup with stainless steel strainer with neoprene stopper.

STOCK NO	EACH
DB16	24.51

No. 18 Basket Strainer



Stainless steel body and basket. Deep locking cup, neoprene stopper w/snap-in basket. 3¾" length with tailpiece.

STOCK NO	EACH
DB18	19.40



(00)

Opella LTD Design

Fits all standard sinks.

FINISH	STOCK NO	EACH
Strainer Waste		
White	90066WH	52.19
Biscuit	90066BI	52.19
Disposer Waste Assembly		
White	90088WH	65.12
Biscuit	90088BI	63.07

No. 3785A Bar Strainer



Fits: 2" opening
brass body and stainless steel crumb cup. Length - 2½".

STOCK NO	EACH
DB3785A	28.80

LK99 Deluxe Drain



Fits: 3½" opening (4½" top diameter).
Heavy gauge stainless steel body.
Conical strainer plate has movable lift-up knob with neoprene stopper.
With C.P. brass 1½" O.D. tailpiece.

STOCK NO	EACH
ELLK99	99.83

LK35 Standard Duo Strainer



Fits: 3½" opening (4½" top diameter)
One piece stainless steel conical strainer basket with neoprene stopper. C.P. Brass.
1½" O.D. tailpiece.

STOCK NO	EACH
ELLK35	62.64

LK18 Strainer & Tailpiece



Fits: 3½" opening (4⅝" top diameter)
Removable basket is 3" deep with perforated grid strainer with N.P. Brass 1½" O.D. tailpiece.

STOCK NO	EACH
ELLK18	54.81

LK36 Small Basket Strainer



Fits: 2" opening (2⅞" top diameter)
Drain outlet for use with bar sinks.
Stainless basket with C.P. Brass.
1½" O.D. tailpiece.

STOCK NO	EACH
ELLK36	115.75

LK8 Basket Strainer



Fits: 2" opening (3" top diameter)
Drain outlet for use with bar sinks.
Stainless perforated grid strainer with C.P. Brass 1½" O.D. tailpiece.

STOCK NO	EACH
ELLK8	95.93

(21)

Delta Metal Push-Pop



- All metal construction push pop
- Tailpiece stainless steel for all finishes
- For use with sink without overflow

FINISH	STOCK NO	PRICE
Matte Black	DERP101632BL	149.61

Misc. Strainers



JB Products

Fits all standard sinks.

FINISH	STOCK NO	EACH
Strainer Waste		
Matte Black	JBX102M	82.98
Disposer Waste Assembly		
Matte Black	JBX120M	94.38

JB Products

Strainer Extension
Fits up to 2¾" thick.

STOCK NO	EACH
JBG106000	12.97



No. 774 Strainers

Fits: 2½" opening
Duplex, brass body w/flat stainless steel strainer.

STOCK NO	EACH
DB774	17.45



Flat Sink Strainer

Fits: 3½" opening (4½" top diameter)

STOCK NO	EACH
DB815B	31.56

(02)



No. 24CC Brass Waste Drain

Food Service Equipment Fitting with Locknut and Rubber Washer.

SIZE	STOCK NO	EACH
1" IPS x 3" Long	24CC	38.07



Mountain Plumbing

3-1/2" *Flange and Strainer features spring-loaded center post.*

FINISH	STOCK NO	PRICE
Brushed Stainless Steel	MT300BRS	63.92
Oil Rubbed Bronze	MT300ORB	108.80

(16)

Wide Top Sink Strainer

With 4" Tail Piece.

FINISH	STOCK NO	PRICE
Chrome	MC152SAN	94.22



(16)

Brizo Kitchen Sink Flange with Strainer

Solid brass construction 4.5" diameter flange

FINISH	STOCK NO	PRICE
Luxe Gold	DE69052GL	197.57



(21)

Delta Grid Strainer with Overflow

For Vessel Sink Applications with overflow holes

FINISH	STOCK NO	PRICE
Matte Black	DERP6346BL	126.72

(21)
Bath Faucet Couplings

Sold in Pairs

SIZE	STOCK NO	EACH
½" I.P.	CS8641	28.76

Shower Rough-In Test Plug

- Combination test plug and shower stub-out
- Hi-viz plastic for easy visibility
- Smooth threaded end for easy plastering
- Gasket provides seal to keep debris out
- Reusable and long lasting
- No tools required–hand tighten installation saves time and labor without thread tape!

STOCK NO	EACH
IPS83803	4.60

(18)
Sloan Act-O-Matic Shower Head

With water ON, the disc moves downward into shower position, delivering a cone-within-cone spray for maximum efficiency. When the water is turned OFF, the disc moves upward into drain position, completely washing out all sand and other water born substances that clog ordinary shower heads.

DESCRIPTION	STOCK NO	EACH
2.5 GPM	SL4020100	183.36

(18)
Fiberglass Shower Stall Elbow

- Combination Inlet ½" Female Sweat or ½" NPS Outlet ½" NPT
- Requires 1⅛" Hole through fiberglass
- Designed to secure shower arm elbow to fiberglass shower stall
- Can also be used to secure tub spout nipple.
- Use with copper, iron pipe or comp. fittings.
- Eliminate shower arm and tub spout movement
- Lock nuts have wrench flats for easy installation

STOCK NO	EACH
SHTUEL	17.25

Shower Arm

½" x 6" bent shower arm with wall flange

FINISH	STOCK NO	EACH
Chrome	0618052	19.98

(16)
Delta Shower Arm

½" x 5¾" bent shower arm with wall flange

FINISH	STOCK NO	EACH
Chrome	DEU4993PK	40.81
Venetian Bronze	DEU4993RB	114.13
Stainless	DEU4993SS	100.24
Shower Arm LESS FLANGE		
Matte Black	DERP6023BL	138.38

(16)
Delta Shower Arm

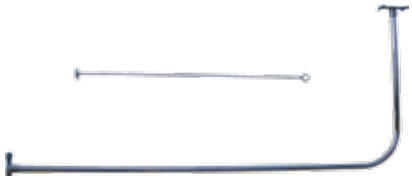
½" x 16" shower arm

FINISH	STOCK NO	EACH
Stainless	DERP46870SS	147.70



Straight Curtain Rods
Aluminum, 1" OD

SIZE	STOCK NO	EACH
60" Without Flanges	PA1260	9.57
72" With Flanges	PP8015PC	37.89



Corner Curtain Rod
Chrome Plated Aluminum, 1" OD
With heavy flanges. 36" Ceiling support included.

SIZE	STOCK NO	EACH
60 x 26"	DE55	60.95



1" Shower Flanges, Pair

DESCRIPTION	STOCK NO	EACH
Cast	DE81	5.00



Adjustable Shower Rod Holder

DESCRIPTION	STOCK NO	EACH
Cast	DE87	2.75



No. 1056 Curtain Snap

STOCK NO	EACH
CS1056	.25

Bath Accessories (18)

braxtonharris.com



Stainless Steel Towel Bar

- 5/8" Square Tubing
- Crome Plated Die Cast Aluminum
- Complete with Consealable Screws

SIZE	STOCK NO	EACH
18"	18TOBA	13.96
24"	24TOBA	18.22
30"	30TOBA	18.29



Toilet Paper Holder

- Crome Plated Die Cast Aluminum
- With White Plastic Roller
- With Consealable Screws

STOCK NO	EACH
PAHOC	9.39



Replacement Roller

3/8" Ends

FINISH	STOCK NO	EACH
Chrome Plated Plastic	CPRO	3.50



Installation Clamp

For Recessed Wall Fixtures- Chrome Plated

STOCK NO	EACH
REWAPL	3.00



(16)

Delta Trinsic® Tissue Holder

- Extends 3-5/16 in. from wall
- Mounting hardware and mounting template included with product

FINISH	STOCK NO	EACH
Stainless	DE75950SS	88.60
Matte Black	DE75950BL	96.42



(16)

Delta Decor Assist Traditional Tissue Holder

- Extends 5-5/16 in. from wall
- Mounting hardware and mounting template included with product

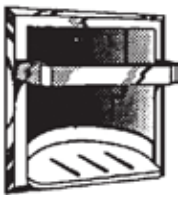
FINISH	STOCK NO	EACH
Stainless	DE41350SS	181.78



Soap Holder

- Crome Plated Die Cast Aluminum
- With Consealable Screws

STOCK NO	EACH
SOHO	7.88



Recess Soap and Grab Bar

With Plastic Soap Tray and Exposed Screws

STOCK NO	EACH
RESOGB	25.62



(16)

Delta Trinsic® Towel Bar

5/8" Width Round - Stainless Finish

SIZE	STOCK NO	EACH
24"	DE759240SS	105.99



(16)

Delta Cassidy® Traditional Tank Lever

- 2 13/16" long
- 1 3/8" diameter base
- Universal Mount - Mounting hardware included

FINISH	STOCK NO	EACH
Venetian Bronze	DE79760RB	99.14



(16)

Delta Stryke® Universal Tank Lever

- 2 11/16" long
- Universal Mount - Mounting hardware included

FINISH	STOCK NO	EACH
Venetian Bronze	DE77660RB	89.63



(18)

Delta Universal Grab Bar Assembly

- 1 1/4" Width Round - Stainless Finish
- 60 in. - 82 in. stretchable metal hose
- Solid brass round wall elbow
- adjustable hand shower mount and hose

SIZE	STOCK NO	EACH
24"	DE51600SS	437.63

Grab Bars

oatey.com



(18)

Dearborn® Straight Grab Bars

1 1/2" Diameter Tube, Stainless Steel, 3" Flange to Conceal Screws, Satin Finish

SIZE	STOCK NO	EACH
18"	DBDB8918	51.19
24"	DBDB8924	54.12
32"	DBDB8932	62.80
36"	DBDB8936	66.74
42"	DBDB8942	71.85



(18)

Delta ADA Grab Bar

1 1/4" Width Round - Stainless Finish

SIZE	STOCK NO	EACH
24"	DE40024SS	333.46



(16)

Delta Traditional ADA Grab Bar

1 1/4" Width Round - Stainless Finish

SIZE	STOCK NO	EACH
12"	DE41612SS	193.82
24"	DE41624SS	227.06



(16)

Delta Transitional ADA Grab Bar

1 1/4" Width Oval

FINISH	SIZE	STOCK NO	EACH
Chrome	36"	DE41736	208.22
Venetian Bronze	18"	DE41718RB	239.36



(16)

Delta Angular Modern ADA Grab Bar

1 1/4" Width Rectangular - Stainless Finish

SIZE	STOCK NO	EACH
24"	DE41924SS	227.06



(16)

Delta Contemporary ADA Grab Bar

1 1/4" Width Round - Stainless Finish

SIZE	STOCK NO	EACH
24"	DE41824SS	227.06



(18)

Delta Universal Grab Bar Assembly

- 1 1/4" Width Rectangular - Stainless Finish
- 60 in. - 82 in. stretchable metal hose
- Solid brass square wall elbow
- adjustable hand shower mount and hose

SIZE	STOCK NO	EACH
24"	DE51500SS	543.86

Closet Repairs

oatey.com braxtonharris.com

(18)
No. 920127
Hoov-R-Line White 8 11/16" overflow level



STOCK NO	EACH
HO920127	10.13

(18)
No. PRO45
Fluidmaster adjustable
Anti-siphon, 9-14"
LESS Brass Shank



STOCK NO	EACH
FLPRO45	17.63

(18)
No. PRO45H
Fluidmaster adjustable
Anti-siphon, 9-14"
High-performance for high-pressure homes and properties
LESS Brass Shank



STOCK NO	EACH
FLPRO45H	21.86

(18)
No. PRO45B
Fluidmaster adjustable
Anti-siphon, 9-14"
With Brass Shank



STOCK NO	EACH
FLPRO45B	20.99

(16)
BCT016-H
Brasscraft Adjustable Fill Valve



STOCK NO	EACH
BCT016H	18.89

(18)
No. 210
Mansfield Watersaver "Universal" Flush Valve



STOCK NO	EACH
210FLVA	19.01



(18)
Aqua Mizer
Toilet Tank Flush Valve System.

STOCK NO	EACH
1001	63.05



(18)
No. 4223 Single Action Tank Lever

STOCK NO	EACH
DE4223	5.67



(21)
No. 35 Upper Lift Wire
9" upper lift wire for flush valve.

STOCK NO	EACH
9UPLIWI	11.35



(21)
No. 30 Lower Lift Wire
Lower lift wire for flush valve.

SIZE	STOCK NO	EACH
4½"	5LOLIWI	4.20
5½"	512LOLIWI	5.13



(21)
No. 3060-BP
KORKY Flapper
Premium universal 3" flapper adjustable and universal to fit most brands

STOCK NO	EACH
3060BP	25.64



(21)
No. 2001-BP
KORKY Flapper
Premium universal 2" flapper for toilets before 1994.

STOCK NO	EACH
2001BP	7.34



(21)
No. 100-BP
Premium universal 2" flapper designed for 1.28, 1.6, 3.5 and 5 gallons per flush (gpf).

STOCK NO	EACH
100BP	11.52

(18)
PRO56 Universal Adjustable Flapper
Built-in Microban® fights flapper breakdown due to bacteria.
Best for 1.28 - 3.5 GPF toilets.



STOCK NO	EACH
FLPRO56	8.09



(18)
No. 264V Sealmaster Flapper

STOCK NO	EACH
B264	4.97



(18)
930045T Three-Way Vinyl Flapper
Fits plastic, brass, old Crane"57" flush valve.

STOCK NO	EACH
CR930045T	3.62



(18)
Triple Seal Tank Balls

STOCK NO	EACH
B251	5.70



(21)
Tilt Valve Seat Disc
For American Standard No.4, 5 and 6 old style tilt flush valves. Screw on type.
Replaces American Standard part # 7338307.

STOCK NO	EACH
B1700	2.70

For American Standard No.5 new style flush valve. Snap on type.
Replaces American Standard part # 3364307.

STOCK NO	EACH
B1701	2.52



(21)
PRO35 Fill Valve Cap
Replacement cap for PRO 45(B) fill valves with plastic adjustment screws, 1-year warranty

STOCK NO	EACH
FLPRO35	6.26



(21)
PRO22 Fill Valve Seal
Replacement seal for all Fluidmaster fill valves, including PRO45 and 400A. 1-year Warranty

STOCK NO	EACH
FLPRO22	2.71



(40)
Ekern
Last Drop Suction Gun. Removes water from toilet tanks for repair or replacement.

STOCK NO	EACH
LADRSUGU	55.69

(18)
Float
Plastic float tank ball



SIZE	STOCK NO	EACH
3½ x 4"	F305AC	2.03

(21)
No. 40 Brass Float Rod



SIZE	STOCK NO	EACH
10"	10FLRO	12.74

(18)
Brass Closet Spuds
With Gasket



SIZE	STOCK NO	EACH
1¼"	DB4029	12.09
1½"	DB4028	12.08
2"	DB4025	17.99
2x1½"	DB4026	16.50

(21)
Closet Spud Friction Ring



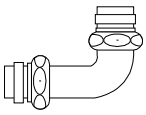
SIZE	STOCK NO	EACH
1¼"	114FR	1.39
1½"	112FR	1.03
2"	2FR	1.88

(21)
No. 24 Urinal Top Spud
Brass top urinal spud with brass nut, rubber seal and friction washer.



SIZE	STOCK NO	EACH
1" x ¾"	1X34URTOSP	11.34
1¼" x ¾"	114X34URTOSP	14.41

(16)
Closet Elbow
With nuts and washers



SIZE	STOCK NO	EACH
2x5x7"	777NPC	60.92

(18)
No. 4700 Wax Urinal Gasket
2" outlet with urethane.



STOCK NO	EACH
WAURGA	3.67

For Neoprene Gaskets used for back outlet toilets see pages 1315 & 1317

(21)
Sioux Chief Plumb Perfect Plastic Closet Bolts
Two open nuts and two 2½" bolts per bag.



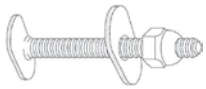
STOCK NO	EACH
SC425PB	1.34

(18)
Hercules "Johni" Bolt



SIZE	STOCK NO	EACH
¼"	14JOBO	4.87
5/16"	516JOBO	6.66

(21)
No. 45 Brass Closet Bolt Combination
Oval Washer, Nut and Bolt



SIZE	STOCK NO	EACH
¼ x 2¼"	14X214CLBO	1.92
¼ x 3½"	14X312CLBO	2.21
5/16 x 2¼"	516X214CLBO	2.49
5/16 x 3½"	516X312CLBO	2.97

DESCRIPTION	STOCK NO	EACH
¼" Nut	14CLBONU	.28
5/16" Nut	516CLBONU	.30
Round Washer	ROCLWA	.45
Oval Washer	OVCLWA	.20

(18)
SetFast Self Adjusting Closet Bolts
Solid Brass, 9/16" Nut & No-Tip Lock Washer.
No Cutting - Bolt Stud Turns With Hex Nut.



STOCK NO	EACH
42443	7.92

(21)
No. 15 Closet Screw Combination
Brass Plated Iron Screw Washer, Nut and Screw



SIZE	STOCK NO	EACH
¼ x 2½"	14X212CLSC	3.22
5/16 x 2½"	516X212CLSC	2.45
5/16 x 3½" (Screw Only)	516X312CLSC	2.34

(18)
No. 12167 Black Swan
Toilet bolts with 4 nuts & washers.

SIZE	STOCK NO	EACH
¼ x 2¼"	4NTOBO	3.65

(18)
Black Swan
Wax rings with urethane.

DESCRIPTION	STOCK NO	EACH
Gasket	SW04003	4.33
Flange & Gasket	SW04008	5.39

(18)
Closet Bolt Caps
Cap with round washer, White, Polypropylene



STOCK NO	EACH
SC49011240	1.77

(18)
Bowl Wax Ring



STOCK NO	EACH
G235	1.98

(18)
Jumbo Wax Ring



STOCK NO	EACH
G236	2.95

(18)
Kant Leak Bowl Ring
Wax ring w/rubber flange.



STOCK NO	EACH
G237	2.54

(21)
Sioux Chief Tank to Bowl Kit
1⅛" high American Standard recessed gasket with deluxe brass tank to bowl bolts.



STOCK NO	EACH
SC49010560	11.02

(18)
Wedge-it™
Multi-purpose stability wedge. Can be stacked solidly in same or oposite direction to fill any gap.



DESCRIPTION	STOCK NO	EACH
Stiff Polypropylene 1 15/16"x¼"	SC46010	.32
Soft Polypropylene 1 15/16"x¼"	SC46020	.48

(21)
C-12
5½" red rubber force cup with 20" handle



STOCK NO	EACH
C12FOCU	5.76

(21)
C-17
Large volume heavy duty black rubber plumbers force cup. With clamp for extra strength. 6" diameter, 6" high with 20" handle.



STOCK NO	EACH
C17FOCU	12.06

(21)
C-17A
Ball type extra heavy duty force cup. Black rubber reinforced rib construction with clamp for extra strength. 6" diameter, 6" high with 20" handle.



STOCK NO	EACH
C17AFOCU	19.44

(21)
Heavy Duty Hydro-Thrust
X-Large Volume Folding Skirt with 19" yellow painted wood handles



STOCK NO	EACH
C25FOCU	16.20

Lav and Kitchen Sink Accessories

oatey.com

(18)

Model PU200

Chrome lavatory pop-up assembly, 17 gauge brass.

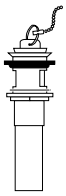


STOCK NO	EACH
PU200	20.98

(16)

1¼" Plug

Chrome Plated with chain and Stopper.
WITH OVERFLOW



SIZE	STOCK NO	EACH
5"	DB7631	46.38
6"	DB764A1	37.88
8"	DE764A	27.99

(16)

1¼" Plug

Chrome Plated with chain and Stopper.
LESS OVERFLOW



SIZE	STOCK NO	EACH
5"	DB763K1	29.51

(16)

Cast Grid Plug

with 17 ga tailpiece.
WITH OVERFLOW

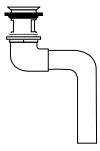


SIZE	STOCK NO	EACH
1¼" x 6"	DB7601	27.14

(16)

1¼" Cast Grid Plug

Wheelchair model.
WITH OVERFLOW



SIZE	STOCK NO	EACH
6"	DB760W1	59.00

(18)

Universal basin Hanger



STOCK NO	EACH
PP22681	1.00

(18)

Deep Basin Rosette

Zinc Plated Steel



STOCK NO	EACH
CS8125	.70

Thread Brass Basin Nut



SIZE	STOCK NO	EACH
½"	BN12916B	1.99

(18)

Replacement Basket Only



STOCK NO	EACH
REBA	8.03

(18)

Waterbury Low Flow Aerators

Each aerator has a removable flow restricting brass disc.



2.5 GPM @ 80psi
Recommended for kitchen faucets.

DESCRIPTION	STOCK NO	EACH
Male 15/16"—27	900BG	2.36
Female 55/64"—27	910BG	2.36



1.5 GPM @ 80psi.
Recommended for lavatory faucets.

DESCRIPTION	STOCK NO	EACH
15/16"—27(outside) 55/64"—27(inside)		
Dual Thread	620BG	2.48
Small Male 13/16"—27	670BG	2.82
Small Female ¾"—27	680BG	2.82

(18)

6-Pack Tube Full Flow

Dual Thread Aerator
2.2 GPM max.@60 psi.
Slotted, Spring-Flo®, Priced per each
Sold in multiples of six only.



DESCRIPTION	STOCK NO	EACH
15/16"—27 and 55/64"—27		
Dual Thread	38D	30.48

(18)

2" Faucet Hole Cover

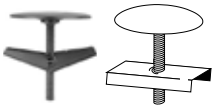


FINISH	STOCK NO	EACH
Flat Black	4T20020	11.15
Satin Nickel	4T20031	21.38
Oil Rubbed Bronze	4T20034	21.38

(18)

Faucet Hole Cover

Chrome Plated Steel



DESCRIPTION	STOCK NO	EACH
No. 1228		
1¾" with one piece head	935PC	6.64
Sioux Chief • 961-6		
1¾" with toggle nut	SC9616	2.82



(18)

Head and Hose

DESCRIPTION	STOCK NO	EACH
MR422-4	CS4224	19.73



(18)

Head Only

DESCRIPTION	STOCK NO	EACH
MR422	CSMR422	6.18



(18)

Dishwasher Hose

DESCRIPTION	STOCK NO	EACH
5/8" I.D. x 50'	58X50DWHO	131.02
7/8" I.D. x 50'	78X50DWHO	212.54

DESCRIPTION	STOCK NO	PER FOOT
5/8" I.D. x (Cut To Measure).	FTDWHO	2.62
7/8" I.D. x (Cut To Measure)	FTDWHO78	4.25

(18)

Disposal/Dishwasher Connector



Includes rubber sleeve and 2 micro-gear clamps.

STOCK NO	EACH
DIDICO	4.67

(18)

Air Gap



Prevents backflow of dishwasher into the water system. White plastic body.

DESCRIPTION	STOCK NO	EACH
Polished Chrome	DIWAAIGA	7.22
Chrome	DB8000E	4.36

(18)

TurboVent



Self-Cleaning Air Admittance Valve. Certified by ASSE to 1050 and 1051.

SIZE	STOCK NO	EACH
1½" PVC	SC25011P	28.22

(16de)

Air Gap

DELTA AIR GAP



To prevent backflow of dishwasher into water systems. Molded polypropylene.

DESCRIPTION	STOCK NO	EACH
Chrome	DE72020	44.04
Arctic Stainless	DE72020AR	48.78
Venetian Bronze	DE72020RB	57.63
Brilliance Stainless	DE72020SS	48.83
Black Matte	DE72020BL	62.52

(21)

Studor PVC Vents



Wisconsin code approved Air Admittance Valve.

DESCRIPTION	STOCK NO	EACH
Mini	ST20341	82.33
Redi	ST20299	40.25
Maxi	ST20342	140.14

Drain, Branch or Stack Size	Vent Size	Max. DFUs on Branch	Max. DFUs on Stack	Studor AAV
1½"	1¼" - 1½"	3	8	Mini
2"	1¼" - 2"	6	24	Mini/Maxi
3"	1½" - 3"	20	72	Mini/Maxi
4"	2" - 4"	160	500	Mini/Maxi

(18)

Pro-Vent Automatic Plumbing Vent



STOCK NO	EACH
PROVENT	4.58

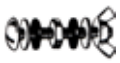
Closets & Urinals



Tank to Bowl Gasket

STOCK NO	EACH
Kohler type	
KIW209	3.60
Sponge Rubber for urinal & water closet flush valves	
KIW208	2.47
Bolt Gasket	
KIW248	.27





Closet Tank to Bowl Bolt Set

STOCK NO	EACH
KIB18	8.09

Sponge Rubber Closet Bowl Cushions

Wide flange with bolt holes.
6¾" O.D. x 3½" I.D.



THICKNESS	STOCK NO	EACH
9/16"	KIG15W	6.74
1"	KIG17W	8.54

Sponge Rubber Closet Bowl Cushions

Ring Type
5⅜" O.D. x 3½" I.D.



THICKNESS	STOCK NO	EACH
9/16"	KIG15	4.95
¾"	KIG16	8.09
1"	KIG17	7.19
Wall Hung Urinal		
N/A	KIG18	7.64

NOTE: *KIG18 is* **NOT** *for use with American Standard, Gerber or Sloan*

Flanged Spud Washers

Black



SIZE	STOCK NO	EACH
1"	KIW316	2.25
1¼"	KIW320	1.57
1½"	KIW321	1.57
2"	KIW322	2.25

Lavs, Sinks, & Bath

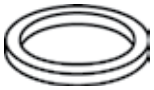
Bath & Basin Stoppers

Heavy C.P. Post and Key Ring



SIZE	STOCK NO	EACH
1¼"	KIS82	1.12

Square Cut Slip-Joint Washers



DESCRIPTION	STOCK NO	EACH
1¼"Std/Med	KIW304	.36
1½"Std	KIW305	.36
1½"Med	KIW305A	.45
2" Std	KIW306	.54
1¼ X 1½"	KIW309	.40

W-831A Sink Connection Washer



STOCK NO	EACH
W831A	.54

Neoprene Union Washers

Red Rubber, 3/32" Thick



NO	SIZE	STOCK NO	EACH
W-475 (Oversize)	¾"	KIW475	.67
W-476	1"	KIW476	.67
W-478	1½"	KIW478	.90

Waste & Overflow Washer

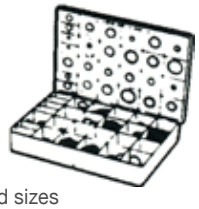
Molded Black Rubber.
3⅞" O.D. x 2⅝" I.D. x 3/16" to 5/64" thick



NO	STOCK NO	EACH
W-501	KIW501	3.06

R60 Faucet "O" Ring Kit

180 "O" Rings in 15 assorted sizes



STOCK NO	EACH
KIR60	21.06



KIW276



KIW285

Beveled Slip-Joint Washers

Dimensions

NUMBER	DIAMETER	HOLE	HEIGHT
KIW276	23/32"	3/8"	3/8"
KIW285	13/16"	5/16"	5/16"

Purpose

KIW276	½" nut, ⅜" tube
KIW285	Ballcock supply for ⅜" O.D. tubing

STOCK NO	EACH
KIW276	.27
KIW285	.40

Watts Backflow Preventers (18)

watts.com

VB-222 Backflow Preventer



Female Hose x Male Hose • ¾"
Self-Draining, breakaway set screw

FINISH	STOCK NO	EACH
Plain Brass	VB222	19.22

Series 8 Atmospheric Type Backflow Preventers



Prevents flow of contaminated water back into potable water supply. Male/female hose threads. For service sinks, pools, wash racks, etc.

No 8
¾", removable

FINISH	STOCK NO	EACH
Plain Brass	WA348	113.99



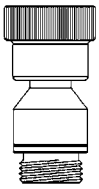
No 8A
¾", non-removable

FINISH	STOCK NO	EACH
Plain Brass	WA348A	151.00

No 8AC
¾", non-removable

FINISH	STOCK NO	EACH
Chrome	WA348AC	185.29

Series N9-CD Backflow Preventers



Hose Connection, Field Testable
"Non-removable" design. No need for break-away set screw. In-line field testable. To prevent high hazard backsiphonage backflow and low-head back pressure(10 ft or less).
Max. pressure: 125 lbs. Max. Temp: 180°F.
Use where indicated by code.
Brass with stainless steel chocks.

SIZE	STOCK NO	EACH
¾" Hose Thread	WA34N9CD	326.66

No. 9D Backflow Preventer



with Intermediate Atmospheric Vent
Brass body with stainless steel working parts, integral strainer and durable rubber discs.

PIPE SIZE	STOCK NO	EACH
IPS		
(Female Union Inlet and Outlet Connections)		
½"	WA129D	196.97
¾"	WA349D	196.99
Sweat		
(Union Sweat End Connections)		
½"	WA129DS	196.97

Series 288A Anti-siphon Vacuum Breakers



For Hot or Cold Water
For high hazard cross connections not subject to continuous pressure - 6" above flood rim.Series. 288A vacuum breakers are designed to prevent back-siphonage of contaminated water into a potable water supply. Maximum temperature 180˚F at 125 lbs. working pressure.

PIPE SIZE	STOCK NO	EACH
Plain Brass		
½"	WA12288A	191.24
¾"	WA34288A	224.29
1"	WA1288A	325.32



Series LF800M4FR Anti-Siphon Pressure Vacuum Breaker

With repeatable built-in relief valve for freeze protection. Allows internal pressure to be relieved as the backflow preventer freezes. Test cocks are positioned at the lowest point to allow ease in draining the body during winterization. 140° Max.

PIPE SIZE	STOCK NO	EACH
¾"	WA34800VB	714.07
1"	1800VB	563.57
1 ¼"	WA114800VB	1804.82
1 ½"	WA112800VB	1975.89
2"	WA2800VB	2041.13

(21)

Bonnet Assembly Kit

For the 1" 800M4, or the ½-1" 800M2

FOR	STOCK NO	EACH
800M4B	WA800M4BRK	97.36

Apollo

apollovalves.com



38-300 Series

Hose Connection Vacuum Breaker, ¾" - Dual Check, Lead Free

FINISH	STOCK NO	EACH
Plain Brass	AP38LF30402	119.58



Series 919-QT RPZ Dual Check Backflow Preventers

PIPE SIZE	STOCK NO	EACH
½"	WA12919QT	749.13
¾"	WA34919QT	985.04
1"	WA1919QT	1053.68
1¼"	WA114919QT	1732.79
1½"	WA112919QT	1865.09
2"	WA2919QT	2126.34



919 Series Air Gap

SIZE	STOCK NO	EACH
½" - 1"	WA919AGC	168.18
1¼" - 2"	WA919AGF	199.76

Ball Valve Test Cock



For use with backflow preventers, isolation valve for guages, isolation valves for small equipment lines.

- Full port ball valve design
- Screwdriver slot to open and close

VALVE SIZE	STOCK NO	EACH
⅛" M x ¼" F	WAT1	98.96
¼" M x ¼" F	WAT2	120.29

Series 909EL Vent Elbow



Used with Series 909-AG air gap for connections to ¾" through 1" backflow preventers on vertical installations.

STOCK NO	EACH
WA909ELC	157.38

Below are NOT RPZ Models
They are Double Check Valves

Series 7 Dual Check Backflow Preventers



PIPE SIZE	STOCK NO	EACH
¾"	WA347U22	138.43
1"	WA17U22	145.07



TK-9A RPZ Analog Test Kit

STOCK NO	EACH
WATK9A	1144.80

Watts Backflow Preventer Repair Kits (21)

watts.com



909 Series Repair Kits

909 SERIES • 5 Year Rebuild Kits

Size	Mod. #	Stock #
¾ - 1"	None	341RK909RT
1¼ - 2"	None	1142RK909M1RT
1¼ - 2"	M1	1142RK909M1RT
2½ - 3"	None	2123RK909RT
4"	None	4RK909RT

Check Valve #1 Kits

Size	Mod. #	Stock #
¾ - 1"	None	341RK909CK1
1¼ - 2"	None	1142RK909M1CK1
1¼ - 2"	M1	1142RK909M1CK1
2½ - 3"	None	2123RK909CK1
4"	None	4RK909CK1

Check Valve #2 Kits

Size	Mod. #	Stock #
¾ - 1"	None	341RK909CK2
1¼ - 2"	None	1142RK909M1CK2
1¼ - 2"	M1	1142RK909M1CK2
2½ - 3"	None	2123RK909CK2
4"	None	4RK909CK2

Relief Valve Kits

Size	Mod. #	Stock #
¾ - 1"	None	341RK909VT
1¼ - 2"	None	1142RK909M1VT
1¼ - 2"	M1	1142RK909M1VT
2½ - 3"	None	2123RK909VT
4 - 6"	None	46RK909VT

REPAIR KIT #	SIZE	STOCK NO	PRICE
Model 909			
RK909VT	¾ - 1"	341RK909VT	512.51
	1¼ - 2"	Use M1 Series Below	
	2½ - 3"	2123RK909VT	1008.59
	4 - 6"	46RK909VT	2146.15
RK909CK1	¾ - 1"	341RK909CK1	321.73
	1¼ - 2"	Use M1 Series Below	
	2½ - 3"	2123RK909CK1	1295.46
	4"	4RK909CK1	2090.88
RK909CK2	¾ - 1"	341RK909CK2	300.02
	1¼ - 2"	Use M1 Series Below	
	2½ - 3"	2123RK909CK2	1243.49
	4"	4RK909CK2	1981.67
RK909RT	¾ - 1"	341RK909RT	211.84
	1¼ - 2"	Use M1 Series Below	
	2½ - 3"	2123RK909RT	925.05
	4"	4RK909RT	1219.13
RK909M1RT	1¼ - 2"	1142RK909M1RT	325.67
RK909M1CK1	1¼ - 2"	1142RK909M1CK1	620.43
RK909M1CK2	1¼ - 2"	1142RK909M1CK2	582.26
RK909M1VT	1¼ - 2"	1142RK909M1VT	946.76

REPAIR KIT #	SIZE	STOCK NO	PRICE
Model 800			
RK800MFRV	1"	1RK800MFRV	100.98

Model 188A/288A

RK188A288AT

SIZE	STOCK NO	EACH
¼ - ⅜"	1438RK188A288AT	45.06
½"	12RK188A288AT	70.39
¾" - 1"	341RK188A288AT	70.39
1¼"	114RK188A288AT	99.68





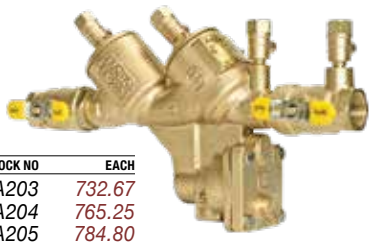
REPAIR KIT #	SIZE	STOCK NO	PRICE
Model 009			
RK009VT	½"	12RK009VT	248.05
	¾ - 1""	341RK009VT	440.80
	1¼ - 2"	1142RK009VT	844.13
RK009CK1	½"	12RK009CK1	106.92
	¾ - 1"	341RK009CK1	168.43
	1¼ - 2"	1142RK009CK1	340.79
	2½ - 3"	2123RK009CK1	1388.21
RK009CK2	½"	12RK009CK2	103.63
	¾ - 1"	341RK009CK2	153.95
	1¼ - 2"	1142RK009CK2	303.29
	2½ - 3"	2123RK009CK2	1346.11
RK009RT	½"	12RK009RT	169.07
	¾ - 1"	341RK009RT	187.52
	1¼ - 2"	1142RK009RT	388.18
	2½ - 3"	2123RK009RT	524.37
Model 009M1			
RK009M1VT	1¼ - 2"	1142RK009M1VT	812.54
RK009M1CK1	1¼ - 2"	1142RK009M1CK1	335.53
RK009M1CK2	1¼ - 2"	1142RK009M1CK2	298.70
RK009M1RT	1¼ - 2"	1142RK009M1RT	300.02
Model 009M2			
RK009M2VT	¾"	34RK009M2VT	311.85
	1"	1RK009M2VT	423.71
	1¼ - 1½"	114112RK009M2VT	573.70
	2"	2RK009M2VT	796.10
RK009M2CK1	¾"	34RK009M2CK1	89.48
	1"	1RK009M2CK1	161.84
	1¼ - 1½"	114112RK009M2CK1	307.91
	2"	2RK009M2CK1	327.65
RK009M2CK2	¾"	34RK009M2CK2	74.01
	1"	1RK009M2CK2	148.04
	1¼ -1½"	114112RK009M2CK2	287.52
	2"	2RK009M2CK2	292.11
RK009M2RT	¾"	34RK009M2RT	179.60
	1"	1RK009M2RT	179.60
	1¼ - 1½"	114112RK009M2RT	278.96
	2"	2RK009M2RT	282.91
Model 009M3			
RK009M3VT	¾"	34RK009M3VT	311.85
RK009M3CK1	¾"	34RK009M3CK1	89.48
RK009M3CK2	¾"	34RK009M3CK2	74.01
RK009M3RT	¾"	34RK009M3RT	187.52
Model 919			
RK919RT	½"	12RK919RT	169.07
	¾"	34RK919RT	179.60
	1"	1RK919RT	187.52
	1¼ - 1½"	114112RK919RT	226.99
	2"	2RK919RT	237.52
RK919CK1	½"	12RK919CK1	106.92
	¾"	34RK919CK1	168.43
	1"	1RK919CK1	168.43
	1¼ - 1½"	114112RK919CK1	307.91
	2"	2RK919CK1	327.65
RK919CK2	½"	12RK919CK2	103.63
	¾"	34RK919CK2	153.95
	1"	1RK919CK2	153.95
	1¼ - 1½"	114112RK919CK2	287.52
	2"	2RK919CK2	292.11
RK919VT	½"	12RK919VT	248.05
	¾ - 1"	341RK919VT	440.80
	1¼ - 2"	1142RK919VT	573.70

Apollo Backflow Preventer (18)

apollovalves.com

(18)

4A Series Backflow Preventers



PIPE SIZE	STOCK NO	EACH
½"	124A203	732.67
¾"	344A204	765.25
1"	14A205	784.80
1¼"	1144A206	1508.25
1½"	1124A207	1546.75
2"	24A208	1774.70

4A Series Reduced Pressure Backflow Preventer

Stainless Steel Body



SIZE	STOCK NO	EACH
2½"	4A20902	5261.09
3"	4A20002	5542.94
4"	4A20A02	6764.24

4A Series Air Gap



SIZE	STOCK NO	EACH
½ - 1"	AGD4A1	118.37
1¼ - 1½"	AGD4A112	144.96
2"	AGD4A2	178.34
2½ - 6"	AGD4A6	205.81

Double Check Backflow Preventers

Stainless Steel Body with grooved monitored butterfly valves



SIZE	STOCK NO	EACH
4"	44ALF10A09	6106.63
6"	64ALF10C09	8831.11
8"	84ALF10E09	17380.37

Vacuum Breaker

Model PVBLF4A - Lead Free

With union-end ball valves.
Maximum Operating Pressure 150 psi
Design Pressure 300 psi
Temperature Range 33°F – 180°F



PIPE SIZE	STOCK NO	EACH
1"	AP14A50502	443.87

Vacuum Breaker

Model PVB4A - Leaded

With ball valve shut-offs.
Maximum Operating Pressure 150 psi
Temperature Range 33°F – 140°F



PIPE SIZE	STOCK NO	EACH
1"	AP1PVB4A505A2F	299.54

Double Check Valves

Model DCLF4A - A Series (Bronze)

Lead Free with ball valve shut-offs.
Maximum Operating Pressure 175 psi
Temperature Range 33°F – 180°F



PIPE SIZE	STOCK NO	EACH
½"	124ALF103A2F	373.05
¾"	344ALF104A2F	423.33
1"	14ALF105A2F	504.74
1¼"	1144ALF106A2F	895.48
1½"	1124ALF107A2F	1055.69
2"	24ALF108A2F	1335.10

Apollo Backflow Preventer



PIPE SIZE	STOCK NO	EACH
IPS		
½"	AP404A33AM	136.98
¾"	AP404A44AM	136.98
Sweat		
½"	AP404H33HM	136.98

(12)

Apollo Model-CBBP Carbonated Beverage

Backflow Preventer Dual Check with Atmosperic Port



SIZE	STOCK NO	EACH
¼" Flare x Flare	144C10101	201.54
⅜" Flare x Flare	384C10201	201.54

Apollo 4C-100A Series Carbonated Beverage

Backflow Preventer Dual Check with Atmosperic Port



SIZE	STOCK NO	EACH
⅜" Male NPT	384C10202	201.54

Backflow Preventer Repair Kits (21)

www.zurn.com www.apollovalves.com

975 Series RPZ Repair Kit



Complete with rubber & springs.

SIZE	STOCK NO	EACH
¼"-½"	1412RK975XL	148.50
¾"-1"	341RK975XL	168.08
1¼"-1½"-2"	1142RK975XL	338.85

720 Series Vacuum Breaker Repair Kit



Complete with rubber & springs.

SIZE	STOCK NO	EACH
½"-1"	121RK720A	205.20

720A Series Pressure Vacuum Breaker Assembly



Used in high hazard applications for protection and primarily suited for non-potable residential and commercial irrigation systems. A PVB valve with all bronze body and bonnet construction with a maximum water pressure 150 PSI and maximum water temperature 110° F makes it an ideal choice for industrial and commercial applications.

PIPE SIZE	STOCK NO	EACH
¾"	34720A	299.70
1"	1720A	332.10
1¼"	114720A	1431.00
1½"	112720A	1501.20
2"	2720A	1701.00

710 Series Pressure Vacuum Breaker Assembly



Protects against backsiphonage of contaminated water into the potable water supply where a potential high health hazard exists. With fewer parts and a lightweight, compact body, the Zurn Wilkins 710 Pressure Vacuum Breaker Assembly is a low-maintenance, cost-effective solution for high-hazard irrigation applications – commercial or residential. It also features a maximum pressure of 150 psi and a temperature range of 33°F to 140°F.

PIPE SIZE	STOCK NO	EACH
1"	1710	202.50

4A RP Total Rubber Kit



Includes: O-Ring Lubricant, Check Module Seat Disc & O-Ring, Cap O-Ring, RV Diaphragm, RV Brushing Face O-Ring, RV Seat O-Ring, RV Stem O-Ring, and RV Seat Disc.

SIZE	STOCK NO	EACH
½"	124A00309	191.21
¾"	344A00409	191.21
1"	14A00519	191.21
1¼"-1½"	1141124A00719	191.21
2"	24A00819	246.51

(21)

4A Complete Check Kits

DESCRIPTION	SIZE	STOCK NO	PRICE
First Check - Complete			
4A Series	½"	124A00303	154.68
	¾"	344A00403	196.18
	1"	14A00503	198.69
	1¼ - 1½"	114112A00703	248.99
	2"	2A00803	299.32
	2½-3"	4A00003	1149.82
	4"	4A00A03	1317.41
Second Check - Complete			
4A Series	½"	124A00302	142.40
	¾"	344A00402	186.11
	1"	14A00502	187.43
	1¼ - 1½"	114112A00702	211.33
	2"	2A00802	261.52
	2½-3"	4A00002	1054.00
	4"	4A00A02	1173.74

(21)

4A Series Complete Relief Kit

SIZE	STOCK NO	EACH
½"-1"	4A00505	188.57
1¼"-1½"	4A00705	226.31
2"	4A00805	301.83
2½"-6"	4A00C05	421.63

(21)

4A Series Rubber Relief Valve Kit

SIZE	STOCK NO	EACH
2½"-6"	4A00C04	301.83

(21)

40 Series RPZ Complete Repair Kit

For discontinued back flow units

SIZE	STOCK NO	EACH
¼"-½"	40003A1	499.04
¾"-1"	40004A1	673.35
1¼"-2"	40007A1	1021.87

(21)

40 Series 40RP Repair Kit

Rubber ONLY • For discontinued back flow units

SIZE	STOCK NO	EACH
¼"-½"	40003A4	65.02
¾"-1"	40004A4	183.71
1¼"-2"	40007A4	376.81

Sioux Chief Hammer Arrestors

siouxchief.com



HydraRester™ Water Hammer Arrestors

Designed to keep surge pressure to 150 PSIG or below. Can be installed at any angle , and without access panels. Dual O-ring, PP piston. Certified by ASSE to the ANSI/ASSE 1010 Standard.

SIZE - CONNECTION	STOCK NO	EACH
½" MIP	SC652A	25.58
¾" MIP	SC653B	29.93
1" MIP	SC654C	75.75
1" MIP	SC655D	99.82
1" MIP	SC656E	132.02
1" MIP	SC657F	198.18

Stock No.	Conn. Size	Unit Size	Dimensions Length	Dimensions Width	Fixture Unit Cap.	Cubic Inch Vol.
SC652A	½"	A	6½"	1⅜"	1-11	5
SC653B	¾"	B	8¾"	1⅜"	12-32	7
SC654C	1"	C	11"	1⅜"	33-60	11
SC655D	1"	D	10⅛"	2⅛"	61-113	20
SC656E	1"	E	12⅝"	2⅛"	114-154	29
SC657F	1"	F	15⅛"	2⅛"	155-330	36

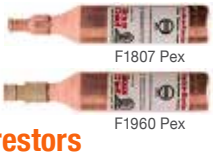


660-HB 660-GTR0B 660-GTR1B 660-SB

MiniRester™ Water Hammer Arrestors

- AA Size per the ASSE 1010 standard.
- Perfect for retrofit - installs directly to supply stops for any residential, single-fixture application.
- Do Not use pipe dope or sealant on compression or swivel thread models.
- ½" MSWT model is compatible with press-fitting systems, and all push-fitting systems.

SIZE - CONNECTION	STOCK NO	EACH
¾" Female Swivel Hose Thread x ¾" Male Hose Thread.	SC660HB	26.49
¼" x ¼" Female Comp.	SC660GTR0B	33.41
⅜" x ⅜" Female Comp.	SC660GTR1B	33.41
½" Male Sweat.	SC660SB	17.78



HydraRester™ Water Hammer Arrestors

- Certified by ASSE to the ANSI/ASSE 1010 Standard.
- Lifetime cycle tested to withstand 10,000 shock cycles.
- Can be installed at any angle, and without access panels.

SIZE - CONNECTION	STOCK NO	EACH
½" F1807 PEX	SC652AX	28.09
¾" F1807 PEX	SC653BX	32.43
1" F1807 PEX	SC654CX	75.75
½" F1960 PEX	SC652AWG	30.97
¾" F1960 PEX	SC653BWG	41.72
1" F1960 PEX	SC654CWG	88.98

Stock No.	Conn. Size	Unit Size	Dimensions Length	Dimensions Width	Fixture Unit Cap.	Cubic Inch Vol.
SC652AX	½"	A	6½"	1⅜"	1-11	5
SC653BX	¾"	B	8¾"	1⅜"	12-32	7
SC654CX	1"	C	11"	1⅜"	33-60	11
SC652AWG	½"	A	6½"	1⅜"	1-11	5
SC653BWG	¾"	B	8¾"	1⅜"	12-32	7
SC654CWG	1"	C	11"	1⅜"	33-60	11

Haymaker Tankless Flow Kit page 1933

Point of Use Water Heaters (18)

navienamerica.com

Navien

Navien NPE Condensing Tankless Water Heaters



Residential Warranty:
15-year Limited Heat Exchanger
5-year Limited Parts
1-year Limited Labor
Commercial Warranty:
3-year Limited Heat Exchanger
3-year Limited Parts
1-year Limited Labor
Advanced Series (NPE240A2)
- Stainless Steel Recirculating Pump
- Stainless Steel Insulated Buffer Tank

GAS	STOCK NO	EACH
Natural Gas/LP	NPE180S2	1859.96
Natural Gas/LP	NPE240S2	2260.91
Natural Gas/LP (Advanced)	NPE240A2	2762.10

Model #	BTU Input Natural/Propane Min	BTU Input Natural/Propane Max	Hot Water Output (GPM) 35°F Rise	Hot Water Output (GPM) 45°F Rise	Hot Water Output (GPM) 67°F Rise
NPE-180	10,000	150,000	8.4	6.5	4.4
NPE-240	13,300	199,900	11.2	8.7	5.6

(22)

NaviLink™ Wi-Fi Control



Allows adjusting water temperatures, access usage data, and receive diagnostic notifications all from using an app from their smartphone or tablet
Compatible with: NPE Water Heaters or NHB and NCB boilers (On page 707)

STOCK NO	EACH
PBCMAS001	300.71

PeakFlowE™ Anti-Scale System



- Scale inhibitor
- Free-installer Inlet Ball Value
- Chemical-free and environment-friendly
- Increases flow rates
- ¾" FNPT inlet/outlet

STOCK NO	EACH
Compatible with: NPE Water Heaters or NCB-E boilers (On page 707)	
PEAKFLOWS	233.89
Replacement Cartridge recommended to change out once every two years	
GWFC110GD	91.33

(22)

Backflow Damper Kit



Includes: Backflow Damper, Ready-link Comm. Cable, 4 Screws, and Installation Manual.
Required for venting up to 8 units

STOCK NO	EACH
30014367B	75.74

Cascading Cable

For use with NPE240ANG Series

STOCK NO	EACH
GXXX000546	33.41

UF Pump Wire

For use with NPE240 and NPE240ANG

STOCK NO	EACH
GXXX001319	24.50

Navien Valves

Plumb-Easy 3 Valve Set



Includes:
- 1 Hot Water Ball Valve and Purge/Drain Port
- 1 Cold Water Ball Valve and Purge/Drain Port
- 1 Recirculation Ball Valve and Purge/Drain Port
- 1 150 psi Pressure Relief Valve certified to ANSI Z21.22

For NPE-A Series • 3/4" Union x FTP

STOCK NO	EACH
GXXX002140	207.16

NaviCirc Recirculation Valve



Reduce the wait time for hot water at the faucet without the need for a dedicated recirculation return line.
- NaviCirc Recirculation Valve
- (2) ½" x ⅜" Flexible hoses & adapters

For NPE-A Series • 1/2" NPS
Must use 30022163A (Above) If used for NPE240ANG

STOCK NO	EACH
30022965A	106.92

Tankless Water Heater Valve Kit with Relief Valve



FIPT Union x Press Connection. Designed to work with all brands of tankless water heaters.

SIZE	STOCK NO	EACH
¾" Press	462NL06KIT	102.99

Ready-Link Manifold Wall/Rack Kits



Included in varying quantities based on kit:
- ¾" x ¾" Adapter
- ¾" NPT Ball Valve
- 1½" Gas Union
- 2" Copper End Cap
- 2" Copper Coupling
- 2⅛" Strut Clamp
- Hardware Kit
- ¾" Service Valves with PRV
- 1⅝" x 18" Strut Channel (14ga)
- ¾" x 24" SS Corrugated Flex Connector
- ¾"x 30" Gas Flex Connector
- ¾"" x 18" SS Corrugated Flex Connector
- 1½" FPT Galvanized Iron End Cap
- 1⅞" OD Strut Clamp

UNITS	CONFIGURATION	STOCK NO	EACH
2	Side by Side	30019040A	2140.63
2	Back to Back	30019039A	1931.24
3	Side by Side	30019041A	3029.40
4	Side by Side	30019043A	3684.29
4	Back to Back	30019042A	3263.29
Ready-Link Rack			
Base		GFFMKDIZUS005	668.25
Add-on Section		GFFMKDIZUS006	463.32

NPE Remote Control



STOCK NO	EACH
NPE-2 & NPN Series	
30022717B	131.42

IBC Intergas



SFT Superflow Tankless Water Heater

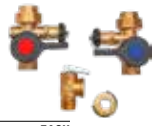
15-year Limited Residential heat exchanger
5-year parts warranty.
A total of 4 moving parts
Easy to install, maintain and service
Sleek wall mounted space saving design
New illuminated touchscreen control display panel
Built-in mixing valve prevents temperature change
- Proven patented Labyrinth heat exchanger
- Innovative state of the art electronics control the gas valve, fan and ignition
- Fully integrated copper waterway
- Fully condensing one piece heat exchanger
- Up to 5.2 GPM continuous at a 70°F rise
- Low NOX emissions
- Vents with PVC - 3" Schedule 40
- ¾" NPT Cold Water Inlet and Hot Water Inlet
- ¾" NPT Gas Inlet
- ¾" Hose Condensate Outlet
- 17.7"W x 29.8"H x 10.9"D

GAS	STOCK NO	EACH
Natural Gas/LP	SFT199	2252.98

Model #	BTU Input Natural gas Min	BTU Input Natural gas Max	Hot Water Output (GPM) Min. Flow	Hot Water Output (GPM) Max Cap @50°F	Temp. Range
SFT199	28,500	199,000	.5	7.2	50-140°F

POU Water Heater Accessories

Plumb-Easy Valve Kit



For All Tankless Water Heaters, NCB-H & NFC-H
3/4" FIP swivel x 3/4" sweat

STOCK NO	EACH
GXXX002139	158.15

(22)

ZEP-1 Stainless Steel Expansion Tank and Shock Arrester



- For use with Tankless/POU Water Heaters with 2 gallons or less of total water volume
- Tank has a 50 PSI factory precharge
- Air charge can be adjusted, Max 150 PSI
- NSF61 Certified, Max Temp 140°F
- ½" NPT Water Connection

STOCK NO	EACH
ZEP1	58.43

Point of Use Water Heaters (18)

Eemax

eemax.com

Electric Mini Tank Water Heaters



- Point-of-use heating eliminates long hot water pipe runs
- Compact design fits almost anywhere for an easy installation
- Adjustable temperature control knob, temperature range 50°F - 140°F

1 Phase • 120V • Max Water 150 PSI

GALLON	STOCK NO	EACH
2.6	EMT25	253.60
3.8	EMT4	293.44
6.1	EMT6	362.03

Model #	Volume in Gallons	Dimensions HxWxD	Recovery Time	Water Connections	T & P Relief Valve
EMT25	2.6	17"x10.91"x10.94"	15 min.	½" NPT	included
EMT4	3.8	18.24"x12.28"x12.65"	24 min.	½" NPT	included
EMT6	6.1	20.83"x13.86"x14.19"	37 min.	½" NPT	included

HomeAdvantage II® Electric Water Heaters



- For residental single point-of-use or multiple fixtures
- On-demand, consistent, and endless hot water
- Compact design with temperature control from 80°F to 140°F

1 Phase • 240V • Max Water 150 PSI

STOCK NO	EACH
HA011240	392.85
HA018240	612.48
HA036240	1230.58

Model #	AMPS	Dimensions HxWxD	UEF	Water Connections	Heat Exchanger
HA011240	46	11.4"x7.9"x3.7"	.92	½" CF	Stainless
HA018240	75	17"x14"x3.635"	.94	¾" NPT	Copper
HA036240	150	17"x21"x3.625"	.94	¾" NPT	Copper

FlowCo™ Tankless Electric Water Heaters



designed for handwashing and other fixed-flow applications. FlowCo delivers endless hot water to a single fixture. All FlowCo models are compact, easily mountable, and feature InfoCue™ technology. Install the unit within two feet of the fixture for best performance.

10¾"H x 5½"W x 3"D • 30 - 150 PSI • ⅜" Comp.

NEW ITEM

TURN ON (GPM)	STOCK NO	EACH
0.3	SPEX3512	299.50
0.4	SPEX4277	305.03
0.4	SPEX48	299.50
0.7	SPEX90	305.03
0.8	SPEX95	299.50

Model #	kW	Voltage	AMP Draw	Circuits x Breaker	Wire Size
SPEX3512	3.5	120V	30	1 x 30	10 AGW
SPEX4277	4.1	277V	15	1 x 15	14 AGW
SPEX48	4.8	240V	20	1 x 20	14 AGW
SPEX90	9.0	277V	33	1 x 35	10 AGW
SPEX95	9.5	240V	40	1 x 40	8 AGW

Bosch

bosch-homecomfort.com

Bosch Greentherm 9000 High Efficiency Water Heater



15-year Limited Residential heat exchanger
5-year parts warranty.

The Greentherm 9000 offers an efficiency rating of EF .99, among the highest energy efficiency available on the market today, and innovative features for easy installation, operation and simple maintenance.

- Top hydraulic connections and bottom flush ports
- Vents with PVC
- Wall-Mounted (Brackets Included)
- ¾" NPT Connections for Gas Inlet, Cold Water Inlet and Hot Water Inlet
- No vent or isolation kit necessary
- Small design for easier, tidier installation 18⁹⁄₁₆"W x 31½"H x 9¹³⁄₁₆"D
- Built-in freeze protection
- Optional Wi-Fi Connection

GAS	STOCK NO	EACH
Natural Gas/LP	T9800SE199	2814.99

Model #	BTU Input Natural gas Min	BTU Input Natural gas Max	Hot Water Output (GPM) Min. Flow	Hot Water Output (GPM) Max Cap @45°F	Temp. Range
T9800 SE 199	9,000	199,000	.45	8.7	100-140°F

A.O. Smith Residential Water Heaters (19)

hotwater.com





A.O. Smith ENT/ENS/ENL Series

PROLINE 240v Electric Water Heaters

- With Brass Drain Valve and T&P Valve.
- DYNACLEAN™ Diffuser Dip Tube, Dual Element.
- .93 Uniform Energy Factor (UEF).
- 6 year tank/ 6 year parts warranty

MODEL	GALLON CAPACITY	FIRST HOUR RATING GALLONS	JACKET HEIGHT	JACKET DIA.	ELEMENT WATTAGE STD.	STOCK NO	EACH
Tall Models							
ENT-30	30	48	46½"	19"	4500	ENT30	1319.22
ENT-40	40	53	60¼"	18"	4500	ENT40	1062.18
ENT-50	50	62	60½"	20½"	4500	ENT50	1211.49
Short Models							
ENS-40	40	55	49¾"	20½"	4500	ENS40	1062.18
ENS-50	50	57	49¼"	23"	4500	ENS50	1181.25
Lowboy Models							
ENL-40	38	50	33½""	26"	4500	ENL40	1455.30
ENLB-50	48	60	34"	26½"	4500	ENLB50	1504.44

Voltex® AL Smart Hybrid Electric Heat Pump Water Heater with Anti-Leak Technology

Commercial-Grade Residential

Absorb ambient heat from the surrounding air to heat water using a compressor

- Self-contained heat pump unit is integrated into the top of the tank
- Backup electric elements can supplement the heat pump depending on operating mode, environmental conditions and hot water demand
- iCOMM smart connectivity
- Leak protection technology
- Quiet operation
- Flexible design
- Electronic controls
- 10 year limited warranty
- 3.88 Uniform Energy Factor (UEF).



MODEL	TANK CAPACITY IN GALLONS	RATING STORAGE VOLUME	UEF	FIRST HOUR RATING (GALLONS)	HEIGHT	DIAMETER	STOCK NO	EACH
HPTS-50	50	46	3.80	65	63"	22"	HPTS50	3797.01
HPTS-66	66	67	3.70	82	61½"	26½"	HPTS66	4772.25
HPTS-80	80	82	3.88	95	69"	26½"	HPTS80	5747.49

Residential Extended Warranty

(21)

A.O. Smith Extended Warranties

DESCRIPTION	STOCK NO	EACH
For use with Models: ENT30-40-50, ENS30-40-50, GCR30-40-50, GCRT40-50, GCRL30-40		
Stage I • 2-Year AO9004328105		122.85
Stage I • 4-Year AO9004329105		189.54
For use with Models: GPVL50, GPVT40-50, GPVX50L-75L		
Stage II • 4-Year. AO9006480105		299.81



A.O. Smith EJC/EJCS Series

PROLINE Specialty Electric Water Heaters

- Compact design, side-mounted plumbing and electrical connections.
- Environmentally-Friendly Non-CFC foam insulation minimizes heat loss.
- CSA certified and ASME rated T&P relief valve.
- Meets Federal energy efficiency standards.
- 6 year tank/ 6 year parts warranty

MODEL	GALLON CAPACITY	JACKET HEIGHT	JACKET DIA.	ELEMENT WATTAGE STD.	STOCK NO	EACH
Compact Models						
EJC-6	6	15¼"	14½"	1650	EJC6	686.07
EJC-6-277	6	15¼"	14½"	2500	EJC6277	686.07
EJC-10	10	18¼"	16"	1650	EJC10	943.11
EJC-10-277	10	18¼"	16"	1500	EJC10277	943.11
EJCS-20	19	24¾"	18"	2500	EJCS20	1022.49



A.O. Smith ProLine Mobile Home Direct Gas Water Heater Series 400

Commercial-Grade Residential

- Complies with HUD standards for manufactured housing installation
- Gas control convertible for natural and propane gas
- Side-mounted ¾" cold water inlet
- Direct vent models package with bottom intake air vent Optional ducted air inlet kit for direct vent models
- Green Choice® Gas Burner
- Coregard™ anode rod
- Blue Diamond® Glass Coating
- Enhanced-flow brass drain valve
- CSA certified and ASME rated T&P relief valve
- 6 year limited tank/ 2 year limited parts warranty
- .59 Uniform Energy Factor (UEF).

MODEL	TANK CAPACITY IN GALLONS	FIRST HOUR RATING NATURAL	RECOVERY @90°F RISE	HEIGHT	DIAMETER	VENT OUTLET	STOCK NO	EACH
Natural Gas								
FMDV-30	30	30,000	31	61"	18"	3"	FMDV30	1555.47
FMDV-40	40	32,000	33	61¾	20"	3"	FMDV40	1752.03

(21)

Mobile Home Direct Gas Water Heater Roof Jack



This water heater must have a properly-installed draft hood and be connected to a listed roof jack that terminates to the outdoors. The roof jack vent pipe must be secured to the draft hood with sheet metal screws.

LENGTH BETWEEN ROOF & CEILING	STOCK NO	EACH
12" (Non-Adjustable)	*AO100093832*	494.10
13"-32" (Adjustable).	*AO100285333*	534.60
32"-60" (Adjustable)	*AO100093834*	804.60
36"-95" (Adjustable).	*AO100285414*	996.30

A.O. Smith Residential Water Heaters (19)

Flammable Vapor Ignition Resistant C-3 Technology™ Water Heaters

hotwater.com



GCR Series ProLine®

Atmospheric Vent Models

- With Brass Drain Valve
- Installed T&P Valve
- DYNACLEAN™ Diffuser Dip Tube
- 6 year tank/ 6 year parts warranty
- Uniform Energy Factor (UEF) for Natural Gas

MODEL NO	UEF	STOCK NO	EACH
Natural Gas			
GCR-40	*.66*	*GCR40N*	*1324.89*
GCR-50	*.62*	*GCR50N*	*1661.31*
L.P. Gas			
GCR-40		*GCR40L*	*1400.49*
GCR-50		*GCR50L*	*1736.91*

Model #	Tank Capacity in Gallons	Input BTU/Hr Natural	Gal/hr Recovery 90°F Rise*	Jacket Height W/Diverter	Jacket Dia.	Flue Size
GCR-40	40	40,000	42	61¾"	20"	3 or 4"
GCR-50	50	40,000	43	60¾"	22"	3 or 4"



GCRL Series ProLine®

Atmospheric Vent Models • Short Models

- With Brass Drain Valve
- Installed T&P Valve
- DYNACLEAN™ Dip Tube
- 6 year tank/ 6 year parts warranty
- Uniform Energy Factor (UEF) for Natural Gas

MODEL NO	UEF	STOCK NO	EACH
Natural Gas			
GCRL-40	*.59*	*GCRL40N*	*1324.89*
GCRL-50	*.62*	*GCRL50N*	*1846.53*
L.P. Gas			
GCRL-40		*GCRL40L*	*1400.49*

Model #	Tank Capacity in Gallons	Input BTU/Hr Natural	Gal/hr Recovery 90°F Rise*	Jacket Height W/Diverter	Jacket Dia.	Flue Size
GCRL-40	40	40,000	41	51½"	22"	3 or 4"
GCRL-50	50	40,000	43	53¼"	24"	3 or 4"



GCRT Series ProLine®

Atmospheric Vent Models

With Brass Drain Valve
Installed T&P Valve
DYNACLEAN™ Dip Tube
6 year tank/ 6 year parts warranty

MODEL NO	UEF	STOCK NO	EACH
Natural Gas			
GCRT-50	*.61*	*GCRT50N*	*1481.76*

Model #	Tank Capacity in Gallons	Input BTU/Hr Natural	Gal/hr Recovery 90°F Rise*	Jacket Height W/Diverter	Jacket Dia.	Flue Size
GCRT-50	50	50,000	54	60¾"	22"	4"



FCG Series

- With T&P Valve
- 6 year tank/ 6 year parts warranty

MODEL NO	UEF	STOCK NO	EACH
Natural Gas			
FCG-75	*.60*	*FCG75N*	*2638.44*
L.P. Gas			
FCG-75		*FCG75L*	*2714.04*

Model #	Tank Capacity in Gallons	Input BTU/Hr Natural	Gal/hr Recovery 90°F Rise*	Jacket Height W/Diverter	Jacket Dia.	Flue Size
FCG-75	75	76,000	80	61"	26½"	4"

Natural Gas



GCB Series
ProLine® Blanketed Water Heater

Atmospheric Vent Models

- Intelligent Control Logic.
- GREEN CHOICE® gas burner.
- DYNACLEAN™ Dip Tube.
- COREGARD™ anode rod.
- Push-button piezo ignitor.
- Enhanced-flow Brass Drain Valve,
- CSA Certified and ASME rated T&P relief valve.
- 6 year tank/ 6 year parts warranty.

MODEL NO	UEF	STOCK NO	EACH
Natural Gas			
GCB-40	*.65*	*GCB40N*	*1375.92*
L.P. Gas			
GCB-40		*GCB40L*	*1451.52*

Model #	Tank Capacity in Gallons	Input BTU/Hr Natural	Gal/hr Recovery 90°F Rise*	Jacket Height W/Diverter	Jacket Dia.	Flue Size
GCB-40	40	40,000	42	61¾"	18"	3 or 4"



GCG Series
ProLine® Gas Water Heater

Atmospheric Vent Model

- Intelligent Control Logic.
- GREEN CHOICE® gas burner.
- DYNACLEAN™ Dip Tube.
- COREGARD™ anode rod.
- Push-button piezo ignitor.
- Enhanced-flow Brass Drain Valve,
- CSA Certified and ASME rated T&P relief valve.
- 6 year limited tank/parts warranty.

MODEL NO	UEF	STOCK NO	EACH
Natural Gas			
GCG-50	*.62*	*GCG50N*	*1481.76*

Model #	Tank Capacity in Gallons	Input BTU/Hr Natural	Gal/hr Recovery 90°F Rise*	Jacket Height W/Diverter	Jacket Dia.	Flue Size
GCG-50	50	40,000	41	60¾"	21"	3 or 4"

A.O. Smith Residential Water Heaters (19)

hotwater.com

GPHE/GDHE Vertex Series

90% Thermal efficiency
with T&P Valve
6 Year tank/ 6 year parts warranty

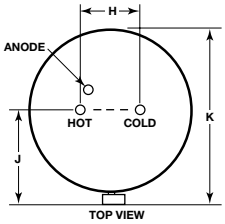


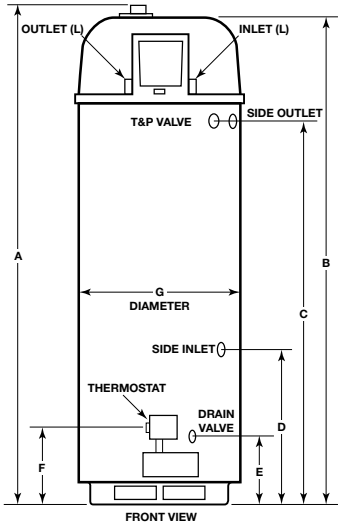
The Vertex provides all the hot water of a larger water heater in a standard 50-gallon footprint. The versatile power-vent design allows combined vertical and horizontal vent runs of up to 128 equivalent feet. the intelli-Vent™ Gas Control gives more precise control of the water temperature.

POWER VENTS USING PVC PIPE
Combined vertical and horizontal vent runs terminating through an outside wall, using Schedule 40 PVC pipe.
- Using 2" pipe, vents up to 25 equivalent feet
- Using 3" pipe, vents up to 65 equivalent feet
- Using 4" pipe, vents up to 128 equivalent feet

MODEL	STOCK NO	EACH
NOT Sealed - Natural Gas (90% Thermal Efficiency)		
GPHE-50	*GPHE50N*	*5721.03*
Sealed - Natural Gas (96% Thermal Efficiency)		
GDHE-50	*GDHE50N*	*7512.75*
GDHE-75	*GDHE75N*	*9126.81*
LP Gas		
GDHE-50	*GDHE50L*	*7777.35*
GDHE-75	*GDHE75L*	*9202.41*

Model #	Tank Capacity in Gallons	Input BTU/Hr Natural	Gal/hr Recovery 90°F Rise*	First Hour Recovery	Height	Side Outlet	Side Inlet	Drain	Dia.
GPHE-50	50	76,000	95	127	71⅛"	52"	21"	9⅛"	22"
GDHE-50	50	100,000	129	-	66¾"	49¼"	15¾"	3"	22"
GDHE-75	75	100,000	129	-	65¼"	45 ⅝"	16"	3¾"	27¾"





Tankless Water Heater

Adapt™ Tankless Water Heater

15-year Limited Residential heat exchanger
5-year parts warranty.



- ENERGY STAR® certified with a UEF of 0.95
- Flexibility in Installation—Field convertible from natural gas to liquid propane; PVC venting flexibility (2" up to 75' & 3" up to 150'); Install indoor or outdoor (outdoor kit sold separately)
- Save up to $116/year on annual operating costs (When compared to a standard 50-gallon atmospheric natural gas tank water heater.)
- Lasts 3x Longer!—with X3® Scale Prevention Tech. provides protection for the heat exchanger.
- Improved Efficiency & Reliability—Patented heavy-duty, stainless-steel heat exchanger features only two weld points and eliminates the need for a secondary heat exchanger
- Reduced Wait Time for Hot Water—Integrated recirculation pump assists in the delivery of hot water quickly (recirculation plumbing from fixture to unit required)
- Expandable for Larger Applications—Cascade up to 12 like heaters when multiple water heaters are required to work in conjunction (cable included)
- Built-in Control Display—Check status, error codes and settings and review up to two (2) recirculating schedules using the built-in display

GAS	STOCK NO	EACH
Natural Gas/LP	*ATHR199X3*	*3018.41*

Model #	BTU Input Natural gas Min	BTU Input Natural gas Max	Hot Water Output (GPM) Max Flow	Hot Water Output (GPM) Continuous Fire	Temp. Range
ATHR-199X3 100	9,000	199,000	10.5	.26	100-140°F

A.O. Smith Residential Water Heaters (19)

hotwater.com



ProLine® XE Series

ENERGY STAR® QUALIFIED

- All models meet the September 2010 ENERGY STAR® EF requirement and may also qualify for local utility and rebate programs
- Dynaclean™ II dip tube optimizes inlet water pressure to minimize cold water regions within the tank. The self-cleaning action also reduces sediment accumulation on the bottom of the tank.
- Hot-surface ignitor is more robust and reliable than standing pilot, and reduces energy consumption
- Built-in heat traps on the water inlet and outlet reduce the amount of heat lost through piping
- 2-inch, thick, "Environmentally-Friendly" foam insulation reduces the amount of heat loss and contributes to overall energy efficiency

BLUE DIAMOND® GLASS COATING

- An A. O. Smith exclusive provides superior corrosion resistance compared to the industry-standard glass lining

VERSATILE POWER VENT DESIGN

- All models feature an exclusive 3-position rotatable blower outlet which adds flexibility
- Combined horizontal and vertical vent runs up to 180 equivalent feet with 4" diameter venting (ABS, PVC, CPVC and polypropylene)
- All models are equipped with a protected sensor that detects the presence of flammable vapors and automatically disables the burner to prevent ignition
- Air intake snorkel elevates the inlet location of combustion air to prevent flammable vapors from entering the sealed combustion chamber
- Reduced NOx emissions comply with air quality management district regulations

USER-FRIENDLY

- State-of-the-art electronic gas control provides more precise temperature control
- LED control light displays operation status and diagnostics information
- Factory-installed T&P and a durable, tamper-resistant brass drain valve are positioned for service accessibility

AVAILABLE IN NATURAL GAS AND PROPANE

6-YEAR LIMITED TANK AND PARTS WARRANTY

XE Series SPECIFICATIONS														
	1st Hr		Gal.	BTU	Recovery	R	Dimensions in Inches							Shipping
Stock #	Gal	UEF	Cap.	Input	90°F Rise	Value	A	B	C	D	E	F	G	Weight
GPVT-40	87	.70	40	50,000	56	8	68½"	59¼"	20"	27⅛"	11"	14¼"	53⅛"	176
GPVL-40	72	.67	40	40,000	45	8	59"	49⅝"	22"	29⅛"	11"	14¼"	42½"	174
GPVT-50	97	.72	50	50,000	56	8	68⅛"	58¾"	22"	29⅛"	11"	14¼"	51¾"	192
GPVL-50	79	.72	50	40,000	45	8	60⅛"	50¾"	24"	31⅛"	11"	14¼"	49¾"	198
GPDT-50	81	.72	50	45,000	50	-	67½"	58¾"	22"	29⅞"	11"	13¼"	51¾"	192
GPVX-50L	119	.73	50	62,500	69	16	65"	56¾"	22"	29⅞"	-	13"	50¼"	186
GPVX-75	116	.69	75	72,000	80	12	70⅝"	61¼"	26"	39⅛"	11"	14¼"	53"	277

PROLINE XE
Power Vent Water Heaters

Natural Gas • Hi-Boy

.72 Uniform Energy Factor (UEF).

STOCK NO	EACH
GPVT40N	2634.66
GPVT50N	2852.01
Side Loop Fittings	
GPVX50LN	2912.49
GPVX75LN	3279.15
L.P. Gas • Hi-Boy	
GPVT40L	2710.26
GPVT50L	2927.61
Side Loop Fittings	
GPVX75LL	3354.75

Natural Gas • Lo-Boy

.72 Uniform Energy Factor (UEF).

STOCK NO	EACH
GPVL40N	2634.66
GPVL50N	2852.01
L.P. Gas • Lo-Boy	
GPVL40L	2710.26
GPVL50L	2927.61

PROLINE XE
Direct Power Vent Water Heaters

Natural Gas

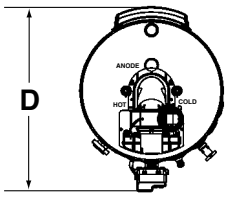
.72 Uniform Energy Factor (UEF).

STOCK NO	EACH
GPDT50N	3916.08

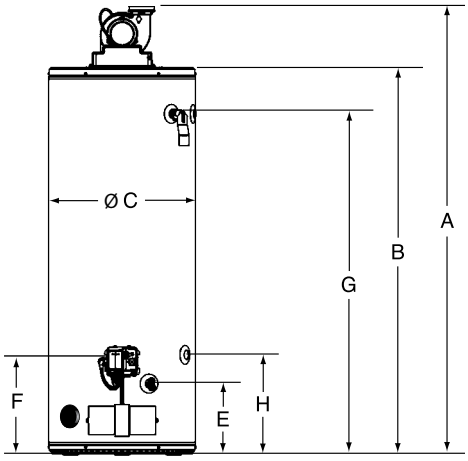
L.P. Gas

STOCK NO	EACH
GPDT50L	3991.68

Maximum Pipe & Elbows			
Model #	2" Pipe	3" Pipe	4" Pipe
GPVT40	up to 50'	up to 125'	up to 180'
GPVL40	up to 50'	up to 125'	up to 180'
GPVT50	up to 50'	up to 125'	up to 180'
GPVL50	up to 50'	up to 125'	up to 180'
GPDT50	up to 50'	up to 125'	up to 180'
GPVX50L	-	up to 80'	up to 120'
GPVX75	-	up to 50'	up to 125'



A.O. Smith
Innovation has a name.



Water Leak Detectors

moen.com

tacocomfort.com

MOEN®



(16)

Flo by MOEN

Includes:
- Flo by Moen device
- Threaded brass tailpieces
- Power supply
- Spare O-Rings
- Spacer

Features:
- Mobile App with real time notifications, water usage analysis, and goal setting features.
- Remote shut-off – from the mobile application, user has the ability to shut-off water wherever they are.
- Automatic shut-off – Senses a catastrophic leak in the home and it will automatically shut off the water supply to prevent damage.
- Proactive 24/7 monitoring with preventative alerts.
- Microleak™ technology – daily tests to ensure your plumbing is secure.

Operates on Power Supply.

WATER LINE SIZE	STOCK NO	EACH
¾"	MO900001	856.17
1"	MO900006	934.69
1¼"	MO900002	1402.11

Taco Comfort Solutions



(24)

LeakBreaker® Water Heater Shut-Off

Consists of a control unit, a valve with actuator and a sensor. This resettable, testable protection device can be installed on any style water heater to shut off the incoming water supply, preventing additional water flow to a damaged water heater. The two-color LED light and audible alarm lets you know the status of LeakBreaker at all times.

Operates on Batteries or Power Supply.

STOCK NO	EACH
TALB075	285.80

(24)

SmartPlug® Instant Hot Water Control



The patented SmartPlug lets you upgrade any existing hot water recirculation pump with a power cord to "Smart" operation which can save up to 12,000 gallons of water per year by eliminating wait time for hot water. Connect to 110V power outlet then plug the ciculator power cord into SmartPlug and the sensor (included)mounts to the hot water pipe supply.

Records daily hot water usage and automatically adjusts circulator run time.

STOCK NO	EACH
TASP115	199.06

RECTORSEAL

rectorseal.com



(18)

TripleGuard Active All-in-One Shutoff

Features:
- Water heater supply line automatic shut off unit
- Leak Detector with 10' cable
- Battery operated (batteries included)
- Audible sound when leak is detected
- Easy installation

Operates on Batteries, No Power Supply.

STOCK NO	EACH
RE97720	348.49

A.O. Smith Commercial Water Heaters (20)

hotwater.com

BT Series

Conservationist®

- Fully Automated Controls with Safety Shutoff
- Green Choice® Gas Burner
- Blue Diamond® Glass Coating

MODEL NO	STOCK NO	EACH
Natural Gas		
BT-60	*BT60N*	*5121.01*

Model	Input BTU/Hr	Recovery GPH 100° Rise	Jacket Height W/Diverter	Jacket Dia	Draft Hood	Approx Gallon Cap
BT60	60,000	58	59¾"	24"	4"	55



BT Series

Conservationist®

- PermaGlas® glass lining prevents tank corrosion
- Small diameters & shorter heights for installation ease
- Handhole cleanout for easy maintenance
- Automatic safety shutoff if pilot is extinguished

MODEL NO	STOCK NO	EACH
Natural Gas		
BT-80	*BT80N*	*7170.11*
BT-100	*BT100N*	*8884.74*

Model	Input BTU/Hr	Recovery GPH 100° Rise	Jacket Height W/Diverter	Jacket Dia	Draft Hood	Approx Gallon Cap
BT80	75,100	73	61⅛"	26½"	4"	74
BT100	75,100	73	68⅝"	27¾"	4"	98



(21)

Leg Kit

For BL & BT Conservationaist® Series

STOCK NO	EACH
AO9006645005	*346.95*

DURA-POWER™ Series

Lowby Models

Designed for use as a recovery heater having its own storage tank and meets the standby loss requirements of the USDE. 208 Volts • 2000 Watts

MODEL NO	STOCK NO	EACH
DEL-6	*DEL6S2K*	*1952.29*
DEL-10	*DEL10S2K*	*2089.60*

Stock No	Gallon Capacity	Height	Diameter	Recommended Fuse/Breaker	Wire Size AWG
DEL6S2K	6	15½"	14¼"	15	14
DEL10S2K	10	18¼"	18"	15	14



(21)

Element Conversion Kits

STOCK NO	VOLTS	WATTS	AMPS	RECOMENDED FUSE/BREAKER	WIRE SIZE AWG	PRICE
AO100109477	*208*	*4000*	*19.2*	*25*	*10*	*148.50*
AO100109480	*208*	*6000*	*28.8*	*40*	*8*	*148.50*
AO100109487	*240*	*4500*	*18.8*	*25*	*10*	*148.50*
AO100109496	*480*	*6000*	*12.5*	*20*	*14*	*148.50*

Light-Service Electric Series

Designed for light duty commercial applications with intermittent hot water loads. Meets the standby loss requirements of the USDE. Two 4.5 kW zinc plated copper sheathed elements. Adjustable from 120° to 181°F. Certified to UL 1453 for commercial electricwater heater. Maximum working preassure 150 PSI.

MODEL NO	STOCK NO	EACH
LTE 80D 250	*LTE80D250*	*2680.56*

Stock No	Gallon Capacity	Height	Diameter	Volts	Watts
LTE 80D 250	80	60½"	24"	277	12200



(21)

LTE80250 Element Conversion Kit

STOCK NO	VOLTS	WATTS	AMPS	RECOMENDED FUSE/BREAKER	WIRE SIZE AWG	PRICE
AO100293212	*240*	*4500*	*18.8*	*25*	*10*	*49.95*

A.O. Smith Commercial Water Heaters (20)

hotwater.com

BTH Cyclone Extra High Efficiency

Commercial Water Heater

94% thermal efficiency, advanced electronic controls, spiral wound flue tube, submerged combustion chamber improves efficiency, glass lined tank, easy installation.



NSF Approved

MODEL NO	STOCK NO	EACH
NON-ASME Natural Gas Models		
BTH120	BTH120N	15741.50
BTH150	BTH150N	21418.79
BTH199	BTH199N	19519.31
BTH250	BTH250N	21448.72
BTH300	BTH300N	27666.44
BTH400	BTH400N	30322.89
BTH500	BTH500N	34982.67
NON-ASME LP Gas Models		
BTH199	BTH199L	19589.73
ASME Natural Gas Models		
BTH300	BTH300NA	31993.52
BTH400	BTH400NA	35040.76
BTH500	BTH500NA	38461.22

Stock Number	Input BTU/Hr	Recovery GPH 100° Rise	Jacket Height (Approx)	Jacket Dia (Approx)	Flue Size	Approx Gallon Cap
BTH120N	125	142	55½"	27¾"	3"	60
BTH150N	150	171	75"	27¾"	3"	100
BTH199N	199	227	75"	27¾"	3"	100
BTH250N	250	273	75"	27¾"	3"	100
BTH300N	300	360	75¼"	33¼"	4"	119
BTH400N	400	480	75¼"	33¼"	4"	119
BTH500N	500	576	75¼"	33¼"	4"	119

Air fill pressure 12 PSI, relief valve pressure 30 PSI. Average system temperature 200° above sizing, based on "average" size system.

Replacement Parts on Page 514

(21)

BTH 3" Concentric Vent Kit

For Models BTH120/150/199/250

SERIES	STOCK NO	EACH
100/101 or 200/300	AO9006328005	216.00

(21)

BTH 6" Concentric Vent Kit

For Models BTH300/400/500

SERIES	STOCK NO	EACH
100/101	AO9006144005	1309.50
200/300	AO9008841005	1252.80

HW Series

Burkay Copper Coil Boilers

- Copper Heat Exchanger
- Copper coil combustion chamber
- Thermal balancer
- Intermittent ignition (HW300-670 only)
- Hi-Lo Firing (HW520 & HW670 only) dual temperature controller (high temp and low temp) and a dual valve to provide high (100% of input) and low (38% of input on HW670; 50% on HW520) firing inputs.
- Models HW300-HW420 are equipped with a modulating valve variable between 100% to 38% of full input.



MODEL	STOCK NO	EACH
Natural Gas		
HW225	HW225MN	11909.00
HW300	HW300N	16063.20
*HW399	HW399N	19574.00
*HW670	HW670N	25759.50

* CSD-1 Control Included

Model #	Input BTU/Hr	Recovery GPH 100° Rise	Jacket Height w/Diverter	Jacket Dia.	Height to Div/Top
HW225	225,000	217	53¼"	20¾"	33⅛"
HW300	300,000	298	65"	25¼"	43¼"
HW399	399,000	392	57⅛"	27"	45⅛"
HW670	670,000	656	68⅝"	27"	56¼"

BTX Cyclone Xi

Commercial Water Heater

96% thermal efficiency, advanced electronic controls, spiral wound flue tube, submerged combustion chamber improves efficiency, glass lined tank, easy installation.



MODEL NO	STOCK NO	EACH
Not Sealed		
BTX-80 (NOT Sealed)	BTX80N	7402.48
Sealed NSF		
BTX-100	BTX100N	10676.83

Stock Number	Input BTU/Hr	Recovery GPH 100° Rise	Jacket Height (Approx)	Jacket Dia (Approx)	Drain	Approx Gallon Cap
BTX80N	76,000	83	70⅝"	22"	3"	50
BTX100N	100,000	116	68½"	22"	3"	50

BTR MasterFit® 80+

Commercial Gas Water Heater

Fully automatic controls with safety shut-off, Glass-lined tank, Foam insulation, Handhole cleanout, Intermittent ignition device, Flame response less than one second, Draft diverter has automatic motorized flue damper minimizes standby losses, Maximum working pressure is 160 psi, Adjustable thermostat with a 120 -180°F range.



NSF Approved

MODEL NO	STOCK NO	EACH
Natural Gas		
BTR120	BTR120N	13887.80
BTR154	BTR154N	17646.26
BTR197	BTR197N	14371.91
BTR199	BTR199N	14088.48
BTR250	BTR250N	20545.62
BTR275	BTR275N	21395.91
BTR365	BTR365N	24478.36
BTR400	BTR400N	30581.67
BTR500	BTR500N	34458.08
LP Gas		
BTR197	BTR197L	14442.33

Stock Number	NG Input BTU/Hr	Recovery GPH 100° Rise	Jacket Height (Approx)	Jacket Dia (Approx)	Flue Size	Approx Gallon Cap
BTR120	120	116	59½"	27¾"	5"	71
BTR154	154	149	66½"	27¾"	6"	81
BTR197	199	193	68⅛"	27¾"	6"	100
BTR199	199	193	65"	30¼"	6"	81
BTR250	250	242	65"	30¼"	6or8"	100
BTR275	275	267	65"	30¼"	6or8"	100
BTR365	365	354	70¼"	27¾"	8"	85
BTR400	399	387	67½"	30¼"	8"	100
BTR500	500	479	73½"	27¾"	8"	85

(21)

T&P Valve

1" MIP, 4" Probe, CSA rating 500,000 BTUH @ 150 PSI

For Use With BTH, BTN & BTR Series

STOCK NO	EACH
AO9005903205	315.90

(21)

BTR Accessories

NSF Leg kit for BTR (except BTR-197 & 198)

STOCK NO	EACH
AO9003425205	183.60

A.O. Smith Commercial Water Heaters (20)

hotwater.com

Accessories

(21)

Conversion Kits

VENDOR NO	ELEMENT QTY	ELEMENT KW EACH	VOLTAGE	STOCK NO	EACH
100109163	6 Element	4.5KW	208V	AO100109163	652.05
100109164	6 Element	5KW	208V	AO100109164	652.05
100109169	9 Element	4KW	208V	AO100109169	828.90
100109179	6 Element	3KW	240V	AO100109179	652.05
100109176	6 Element	4.5KW	240V	AO100109176	652.05
100109194	6 Element	3KW	480V	AO100109194	652.05
100109192	6 Element	5KW	480V	AO100109192	652.05
100109193	6 Element	6KW	480V	AO100109193	652.05
100109197	9 Element	5KW	480V	AO100109197	828.90

*** Items that are stocked at Goodin Co.**

Models Allowed for Conversion	Desired Input		Conversion Kit No. at Desired Voltage			
	Total kW	Element kW	208V	240V	277V	480V
Models with 3 Elements	13.5	4.5	100109158	100109170	100109696	100109185
	15	5	100109159	100109171	100109697	100109186
	18	6	N/A	100109172	100109698	100109187*
Models with 6 Elements	18	3	100109165	100109179*	100109699	100109194*
	24	4	100109166	100109180	100109700	100109195
	27	4.5	100109163*	100109176*	100109701	100109191
	30	5	100109164*	100109177	100109702	100109192*
	36	6	N/A	100109178	100109703	100109193*
Models with 9 Elements	36	4	100109169*	100109184	100109704	100109199
	40.5	4.5	100109167	100109181	100109705	100109196
	45	5	100109168	100109182	100109706	100109197*
	54	6	N/A	100109183	100109707	100109198

A.O. Smith Storage Tanks

Standard Commercial Hot Water Storage Tanks

150 PSI, 2" foam insulated, handhole clean-out, magnesium anodes. 5 year warranty.

GALLON	PSI	SIZE	STOCK NO	EACH
120	150	62" x 29 3/8"	TJV120M	3425.68
175	150	77" x 32"	TJV200M	9752.40
200	125	83" x 36"	TJV200A	9828.65



DRE Series

All DRE stock models are 3-phase and include temperature and pressure relief valves, surface mounted thermostat, energy cut-off device and high temperature cut-off. Each of these heaters can be converted to 6-54KW, to 240 volts, and to single phase.

STOCK NO	EACH
DRE52135K	8351.34
DRE5218K	8478.08
DRE80135K	10636.34
DRE8018K*	10763.09
DRE8036KW	13352.63
DRE12015K	12389.69
DRE12018K	12516.44
DRE12036K	15105.99
DRE12054K	17727.23

* Dual Rated (18/24Kw 208/240V)



Stock No	Tank Cap'y Gallons	Jacket Height	Jacket Dia.	Depth W/Elect Box	Inlet/ Outlet	No. of Elements and Thermostats	Element Wattage	Total KW Input	Volt.	Phase
DRE52135K	50	55¾"	21¾"	27	1¼"	3	4500	13.5	480	3
DRE5218K	50	55¼"	21¾"	27¼"	1¼"	6	3000	18	208	3
DRE80135K	80	60¼"	25½"	31"	1¼"	3	3000	13.5	480	3
DRE8018K	80	59¼"	25¼"	31¼"	1¼"	6	3000	18/24	208/240	3
DRE8036KW	80	59¼"	25¼"	31¼"	1¼"	9	4000	36	208	3
DRE12015K	119	62¼"	29½"	35¾"	1¼"	3	5000	15	208	3
DRE12018K	119	62¼"	29½"	35¾"	1¼"	6	3000	18	208	3
DRE12036K	119	62¼"	29½"	35¾"	1¼"	6	6000	36	480	3
DRE12054K	119	62¼"	29½"	35¾"	1¼"	9	6000	54	208	3

Recovery Rate in Gallons Per Hour Temperature Rise °F

Standard KW Input	BTU/ Hour	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°
6	20,478	82	62	49	41	35	31	27	25	22	21	19	18
9	30,717	123	92	74	62	53	46	41	37	34	31	28	26
12	40,956	164	123	98	82	70	61	55	49	45	41	38	35
13.5	46,075	184	138	111	92	79	69	62	55	50	46	43	40
15	51,195	205	154	123	102	88	77	68	61	56	51	47	44
18	61,434	246	184	148	123	105	92	82	74	67	61	57	53
24	81,912	328	246	197	164	140	123	109	98	89	82	76	70
27	92,151	369	276	221	184	158	138	123	111	101	92	85	79
30	102,390	410	307	246	205	176	154	137	123	112	102	95	88
36	122,868	492	369	295	246	211	184	164	148	134	123	113	105
40.5	138,226	554	418	3332	277	237	208	1185	166	151	138	128	119
45	153,585	615	461	369	307	263	230	205	184	168	154	142	132
54	184,302	738	553	443	369	316	277	246	221	201	184	170	158

*Figured at 1 KW (3413 Btu) = 4.1 gallons at 100°F temperature rise.
To determine recovery rate per minute, divide recovery rate per hour by 60.

Standard kW Inputs

kW Input	Model Numbers Tank Capacity in Gallons			Number of Elements	Element Wattage	Full Load Current in Amperes						
						Single Phase				Three Phase		
	50	80	119			208V	240V	277V	480V	208V	240V	480V
6	DRE-52-6	DRE-80-6	DRE-120-6	3	2,000	28.8	25	21.7	12.5	16.7	14.4	7.2
9	DRE-52-9	DRE-80-9	DRE-120-9	3	3,000	43.3	37.5	32.5	18.8	25	21.7	10.8
12	DRE-52-12	DRE-80-12	DRE-120-12	3	4,000	57.7	50	43.3	25	33.3	28.9	14.4
13.5	DRE-52-13.5	DRE-80-13.5	DRE-120-13.5	3	4,500	64.9	56.3	48.7	28.1	37.5	32.5	16.2
15	DRE-52-15	DRE-80-15	DRE-120-15	3	5,000	72.1	62.5	54.2	31.3	41.6	36.1	18
18	DRE-52-18	DRE-80-18	DRE-120-18	3*	6,000	86.5	75	65	37.5	50	43.3	21.7
24	DRE-52-24	DRE-80-24	DRE-120-24	6	4,000	115.4	100	86.6	50	66.6	57.7	28.9
27	DRE-52-27	DRE-80-27	DRE-120-27	6	4,500	129.8	112.5	97.5	56.3	74.9	65	32.5
30	DRE-52-30	DRE-80-30	DRE-120-30	6	5,000	144.2	125	108.3	62.5	83.3	72.2	36.1
36	DRE-52-36	DRE-80-36	DRE-120-36	6*	6,000	173.1	150	130	75	99.9	86.6	43.3
40.5	N/A	DRE-80-40.5	DRE-120-40.5	9	4,500	194.7	168.8	146.2	84.4	112.4	97.4	48.7
45	N/A	DRE-80-45	DRE-120-45	9	5,000	216.3	187.5	162.5	93.8	124.9	108.3	54.1
54	N/A	DRE-80-54	DRE-120-54	9	6,000	N/A	225	194.9	112.5	149.9	129.9	65

*208 volt models may contain three (3) additional elements.

Commercial Water Heaters & Expansion Tanks

Lochinvar Commercial Water Heaters

lochinvar.com



(20)

Copper-Fin® Gas Fired Water Heaters

This highly efficient product combines 82% efficiency with a simple, trouble free design, resulting in unequalled water heater durability, lime scale free operation and fewer service calls. Inlet water 2" NPT and outlet water 2" NPT on 6¼" centers. 120 VAC / 2.5 AMP. 3 year limited warranty on heat exchanger.

BTU/HR	STOCK NO	EACH
199,999	CWN201PM	6217.90
270,000	CWN270PM	6877.37
360,000	CWN360PM	7818.47
399,999	CWN399PM	8163.25
500,000	CWN500PM	11874.55

STOCK NO	BTU/HR	PSI	GPH 100°F Rise	Vent Size	Gas Conn.	Dimensions H x W x D
CWN201PM	201,000	160	193	7"	¾"	29½" x 26½" x 21½"
CWN270PM	270,000	160	268	8"	¾"	29½" x 29½" x 21½"
CWN360PM	360,000	160	358	9"	1"	29½" x 35½" x 21½"
CWN399PM	399,999	160	397	10"	1"	29½" x 44½" x 22"
CWN500PM	500,000	160	497	10"	1"	34½" x 52½" x 22"

Larrs Commercial Water Heaters

laars.com



(20)

Laars Ultra-High Efficiency Water Heater

Commercial Natural Gas Water Heater

- Non-ASME Models
- Installed T&P Valve
- 115 Volt
- Electronic Ignition

MBH	STOCK NO	EACH
60 Gallon Tank		
199,999	UHE60T199E3N	16239.39
100 Gallon Tank		
199,999	UHE100T199E3N	17036.85
250,000	UHE100T250E3N	18912.10
300,000	UHE100T300E3N	23539.27

Model Number	Max. 3" PVC, ABS & CPVC	Max. 4" PVC, ABS & CPVC
UHE-60T-199	80 ft.	130 ft.
UHE-100T-199	100 ft.	150 ft.
UHE-100T-250	80 ft.	130 ft.
UHE-100T-300	60 ft.	110 ft.

GPV 200 Series SPECIFICATIONS

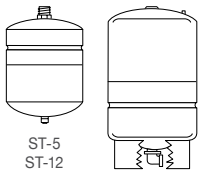
Mfg #	Thermal Efficiency	Gal. Cap.	BTU Input	1st Hour @ 100°F Rise	Recovery 100°F Rise	Demensions in Inches A	B	C	D	E	F	G	H
UHE-60T-199E-3N	92.0	60	199,999	265	223	57"	28¼"	42"	13"	53½"	5"	52½"	40"
UHE-100T-199E-3N	98.5	100	199,999	309	239	77⅝"	28¼"	63"	13"	74¾"	5"	73⅛"	60"
UHE-100T-250E-3N	97.0	100	250,000	364	294	77⅝"	28¼"	63"	13"	74¾"	5"	73⅛"	60"
UHE-100T-300E-3N	92.0	100	300,000	405	335	77⅝"	28¼"	63"	13"	74¾"	5"	73⅛"	60"

Domestic Expansion Tanks

(24)

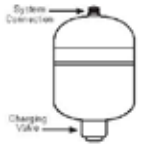
Therm-X-Trol Pressurized Diaphragm-type Expansion Tank

Use with potable water heaters only, Non-ASME.
Maximum working pressure 150psig.
Maximum working temperature 200°F.



ST-5
ST-12

ST-25
ST-42



ST-12C

TANK VOLUME	HT X DIA	SYSTEM CONNECTION (NPT)	STOCK NO	EACH
2	12⅝ x 8"	¾"	AMST5	99.68
4.4	13⅜ x 12"	¾"	AMST12	138.08
10.3	20¹/₁₆ x 12"	¾"	AMST25V	463.28
20	31⅝ x 15⅜"	1"	AMST42V	692.37
ST-C Series • ASME, potable water systems				
6.4	18 x 12"	¾"	AMST12C150	2478.05

(24)

Zilmet Thermal & Well Tanks

TANK VOLUME	HT X DIA	SYSTEM CONNECTION (NPT)	STOCK NO	EACH
2.1	11 x 7.9"	¾"	ZEP5	77.09
4.8	13.7 x 10.6"	¾"	ZEP12	104.88
In-line				
9.2	14.6 x 15"	1"	ZHP104IL	270.36
Stand Model				
21.1	23.9 x 17.7"	1"	ZHP202	533.49



Commercial

Universal™ Series



- Space-saving tank design
- 98,000-399,900 BTU/Hr.
- System Sentinel™ LED diagnostics
- Multi-flue tank design

3-Year limited tank warranty

MODEL NO	STOCK NO	EACH
G75-125	G75125	7774.27
G82-156	G82156	9052.99
G91-200	G91200	9502.27
G100-200	G100200	9675.07
G100-250	G100250	11506.75
G100-270	G100270	11748.24
G65-360	G65360	13528.51
G100-400	G100400	19351.87

Stock No	Gallon Capacity	Height	Diameter	Input BTU/H	Shipping weight
G75125	75	65½"	26¼"	125,000	480 lbs.
G82156	82	68 13/16"	26¼"	156,000	490 lbs.
G91200	91	76 5/16"	26¼"	199,900	600 lbs.
G100200	100	73 1/16"	30¼"	199,900	780 lbs.
G100250	100	73¼"	30¼"	250,000	795 lbs.
G100270	100	73⅞"	30¼"	270,000	805 lbs.
G65360	65	70 11/16"	26¼"	360,000	640 lbs.
G100400	100	76"	30¼"	399,900	770 lbs.

Medium Duty Series



- Compact design for tight retrofit applications
- Patented technology & anode rods
- CSA/ASME rated T&P valve
- 48 to 100-Gallon Capacities

3-Year limited tank warranty

MODEL NO	STOCK NO	EACH
G50-60N	G5060N	4902.51
G75-75N-3	G7575N3	6906.82
G100-80	G10080	5009.04

Stock No	Gallon Capacity	Height	Diameter	Input BTU/H	Shipping weight
G5060N	48	61¾"	21¾"	60,000	150 lbs.
G7575N3	75	64"	26¼"	75,100	320 lbs.
G10080	100	69⅝"	28¼"	80,000	410 lbs.

Triton® Heavy Duty SU Series



- Built in Smart Monitoring Technology
- Integrated Wi-Fi with App
- Leak Detection System
- Replace Any Brand with Easy Retrofit Features

3-Year limited tank warranty

MODEL NO	STOCK NO	EACH
GHE80SU-130	GHE80SU130	13738.64
GHE100SU-160	GHE100SU160	16998.51
GHE100SU-200	GHE100SU200	17210.19
GHE100SU-250	GHE100SU250	18893.95
GHE100SU-300	GHE100SU300	20181.31
GHE100SU-400	GHE100SU400	22133.95
GHE119SU-500	GHE119SU500	31436.29

Stock No	Gallon Capacity	Height	Diameter	Input BTU/H	Thermal efficiency
GHE80SU130	80	67⅞"	26⅜"	130,000	98%
GHE100SU160	100	77"	26⅜"	160,000	97%
GHE100SU200	100	77"	26⅜"	199,900	97%
GHE100SU250	100	77"	26⅜"	250,000	96%
GHE100SU300	100	77"	26⅜"	300,000	96%
GHE100SU400	100	77"	26⅜"	399,900	95%
GHE119SU500	119	78¼"	32¼"	499,900	95%

Electric Light Service Series



- 277 voltage, delivers water up to 181° F
- Simultaneous wiring, single phase
- A surface mounted thermostat automatically cycles on and off

6-Year limited tank warranty

MODEL NO	STOCK NO	EACH
ELD80-D	ELD80D	2885.76

Stock No	Gallon Capacity	Height	Diameter	Max Watts	Shipping weight
G5060N	80	59"	24½"	12,100	200 lbs.

Residential Professional Ultra Series Hybrid Electric Water Heater Gen 5



- Up to 4.0 UEF reduces operating cost
- Save up to $480 per year in energy cost
- 4x More efficient than a standard electric tank
- Energy Star® rated
- 30 Amp without LeakGuard

10-Year limited tank and parts warranty

MODEL NO	STOCK NO	EACH
PROUH50 T2 RU375-30	PROUH50	3318.84
PROUH65 T2 RU375-30	PROUH65	4167.45
PROUH80 T2 RU375-30	PROUH80	5012.28

Stock No	Gallon Capacity	Height	Diameter	UEF First Hour Rating	UEF
PROUH50	50	61¾"	22¼"	67 GPH	3.88
PROUH65	65	64 3/16"	24¼"	75 GPH	4.05
PROUH80	80	74 3/16"	24¼"	87 GPH	4.07

Leak Sensor for Hybrid Electrics



Gen 5 Shut Off Valve Kit

STOCK NO	EACH
SP21111	360.83

Ruud Storage Tanks



Standard Commercial Hot Water Storage Tanks

- Porcelain enamel lined tank
- ASME construction available
- 2" rigid foam insulation
- Baked enamel steel jacket

GALLON	PSI	SIZE	STOCK NO	EACH
115	150	59¼" x 28¼"	ST120	3477.60
175	150	67¼" x 32¼"	ST175	7589.03

Professional Achiever Plus® & Ultra™ Super High Efficiency Water Heaters

NEW ITEM



- Up to .89 UEF reduces operating cost
- ENERGY STAR® rated
- Easy front access to connections and components
- LCD Display with integrated diagnostics

MODEL NO	STOCK NO	EACH
Natural Gas • 8-Year limited tank & parts warranty		
PROU G50-50U RU HE EC1	PROG5050URUHEEC1	3632.58
Natural Gas • LeakSense • 12-Year limited tank & parts warranty		
PROU G50-100U RU HE EC3	PROUG50100RUHEEC3	7499.52
PROU G75-100U RU HE EC3	PROUG75100RUHEEC3	8372.70

Make & Stock No	Gallon Capacity	Height	Diameter	Input BTU/H	UEF
Achiever Plus • PROG5050URUHEEC1	50	65½"	21¾"	50,000	.88
Ultra • PROUG50100RUHEEC3	50	65½"	21¾"	100,000	.89
Ultra • PROUG75100RUHEEC3	75	64½"	26¼"	100,000	.88

RUUD Residential Water Heaters (19)

ruud.com

Achiever® Atmospheric Gas Series



- .58 - 64 UEF
- Eco-friendly burner, low NOx design
- 40 and 50 gallon capacities

6-Year limited tank & parts warranty

MODEL NO	STOCK NO	EACH
Natural Gas		
PROG40-38N RU62	PROG40N	1302.21
PROG50-38N RU60	PROG50N	1477.98
PROG40-40N RU62	PROG4040NRU62	1330.56
PROG50-40N RU62	PROG5040NRU62	1506.33
PROG40S-40N RU62	PROG40S40NRU62	1396.71
PROG50S-40N RU61	PROG50S40NRU61	1967.49
Propane		
PROG40-36P RU62	PROG40L	1377.81
PROG50-36P RU60	PROG50L	1430.73
PROG40S-35P RU62	PROG40SL	1330.56

Stock No	Gallon Capacity	Height	Diameter	Input BTU/H	UEF
PROG40N (Tall)	40	61½"	19"	38,000	.58
PROG50N (Tall)	50	61¼"	20½"	38,000	.64
PROG4040NRU62 (Tall)	40	63¼"	19½"	40,000	.66
PROG5040NRU62 (Tall)	50	62½"	21½"	40,000	.65
PROG40S40NRU62 (Short)	40	53⅞"	23"	40,000	.58
PROG50S40NRU61 (Short)	50	54¼"	23¾"	40,000	.63
PROG40L (Tall)	40	63¼"	19½"	36,000	.66
PROG50L (Tall)	50	61¼"	20½"	36,000	.64
PROG40SL (Short)	40	53¼"	21⅜"	35,000	.58

Achiever® Power Vent Gas Series



- Induced draft with the Guardian FVIR System
- Flexible venting options up to 100 feet
- 40 and 50 gallon tall and short capacities
- Integrated self-diagnostic system control, thermostat and gas valve
- SCAQMD rule 1121 compliant models available: 10ng/J NOx emissions

6-Year limited tank & parts warranty

MODEL NO	STOCK NO	EACH
Natural Gas		
PROG40-40N RU67 PV	PROG40PVN	2708.37
PROG50-42N RU67 PV	PROG50PVN	3054.24
PROG40S-36N RU67 PV	PROG40S36NRU67PV	2708.37
PROG50S-36P RU67 PV	PROG50S36NRU67PV	3054.24
Propane		
PROG40-36P RU67 PV	PROG40PVL	2560.95
PROG50-42P RU67 PV	PROG50PVL	3129.84
PROG40S-32P RU67 PV	PROG40S32PRU67PV	2560.95
PROG50S-32P RU67 PV	PROG50S32PRU67PV	2878.47

Stock No	Gallon Capacity	Tank Height	Diameter	Input BTU/H	UEF
PROG40PVN (Tall)	40	66¼"	19¾"	40,000	.69
PROG50PVN (Tall)	50	65½"	21¾"	42,000	.68
PROG40S36NRU67PV (Short)	40	51¼"	21¾"	36,000	.65
PROG50S36NRU67PV (Short)	50	51¾"	23¾"	36,000	.70
PROG40PVL (Tall)	40	66¼"	19¾"	36,000	.69
PROG50PVL (Tall)	50	65½"	21¾"	42,000	.68
PROG40S32PRU67PV (Short)	40	51¼"	21¾"	32,000	.65
PROG50S32PRU67PV (Short)	50	51¾"	23¾"	32,000	.70

Achiever® Heavy Duty Power Vent Gas Series



- Induced draft with the Guardian FVIR System
- Flexible venting options up to 100 feet
- 60 and 75 gallon tall and short capacities
- Integrated self-diagnostic system control, thermostat and gas valve

8-Year limited tank & parts warranty

MODEL NO	STOCK NO	EACH
Natural Gas		
PRO+G75-76N RU PV	PROG75PVN	3545.64
Propane		
PRO+G75-76P RU PV	PROG75PVL	3621.24

Stock No	Gallon Capacity	Height	Diameter	Input BTU/H	UEF
PROG75PVN	75	71⅞"	26¼"	75,100	.59
PROG75PVL	75	71⅞"	26¼"	75,100	.59

Achiever Plus® Heavy Duty Gas Series



- Guardian System™ & sensor
- Low emission
- No matches required
- 75 gallon capacity

8-Year limited tank & parts warranty

MODEL NO	STOCK NO	EACH
Natural Gas		
PRO+G75-76N RU	PROG75N	2540.16
Propane		
PRO+G75-76P RU	PROG75L	2615.76

Stock No	Gallon Capacity	Height	Diameter	Input BTU/H	UEF
PROG75N	75	64"	26¼"	75,100	.61
PROG75L	75	64"	26¼"	75,100	.61

Achiever® Electric Series



- .92 - .93 UEF
- Enhanced-flow brass drain valve
- 38 to 80 gallon capacities

6-Year limited tank & parts warranty

MODEL NO	STOCK NO	EACH
PROE30 T2 RU95 (Tall)	PROE30	1137.78
PROE40 T2 RU95 (Tall)	PROE40	1037.61
PROE50 T2 RU95 (Tall)	PROE50	1168.02
PROE40 M2 RU95 (Medium)	PROE40M2RU95	1082.97
PROE50 M2 RU95 (Medium)	PROE50M2RU95	1168.02
PROE38 S2 RU95 (Short)	PROE38S	1207.71
PROE47 S2 RU95 (Short)	PROE47S	1502.55

Stock No	Gallon Capacity	Height	Diameter	UEF First Hour Rating	UEF
PROE30	30	47½"	19"	44 GPH	.92
PROE40	40	60¾"	19¼"	55 GPH	.93
PROE50	50	58⅝"	20¼"	63 GPH	.93
PROE40M2RU95	40	48¼"	20¼"	55 GPH	.93
PROE50M2RU95	50	48"	23"	62 GPH	.93
PROE38S	38	31½"	23"	51 GPH	.92
PROE47S	47	32"	26¼"	54 GPH	.93

Professional Ultra Electric with LeakGuard Water Heaters



- Designed to protect you home, allow remote temperature control and alert of potential issues
- Smart water heater with built-in leak detection, auto water shutoff valve and WiFi

10-Year limited tank and parts warranty

MODEL NO	STOCK NO	EACH
PROUE50 T2 RU92 CS	PROUE50	1583.82

Stock No	Gallon Capacity	Height	Diameter	UEF First Hour Rating	UEF
PROUE50	50	58⅜"	20¼"	63 GPH	.92

(21)

Water Heater Booster



- Increase deliverable hot water up to 45%
- Compact design with digital user interface
- Dimensions: 8¼" H x 12⅝" W x 3⅝" D
- Adjustable activation temperature 80-130°F
- Adjustable outlet temperature 80-140°F
- Set temperature in increments of 1°F
- Easy installation on new or existing water heater
- No need for additional electrical infrastructure if installed on existing electric water heater. Additional wiring may be required gas tank install.
- Field replaceable element

5-Year heating chamber and 1-year parts limited warranty

MODEL NO	STOCK NO	EACH
RTEX-AB7	RTEXAB7	647.30

Stock No	KW	Volts	Max Amps	Breaker	Water Connections
RTEXAB7	7.2	240	30	1X30 AMP Double Pole	¾" NPT Fittings

BTH Cyclone Replacement Parts (21)

Blower Assembly



STOCK NO	EACH
For 200 Series Models BTH 150-250	
AO100187864	1803.60
For 300 Series Models BTH 199	
AO100271923	1725.30
For 300 Series Models BTH 300-500	
AO100271887	2891.70
Gasket ONLY Burner to Blower Assembly For 300 Series Models BTH 300-500	
AO100187884	66.15
For Commercial Models BTH 100-250	
AO100111050	1737.45

Flame Sensor Rod



STOCK NO	EACH
For Models BTH 120-250	
AO9008868015	178.20
For Models BTH 300-500	
AO9008928015	251.10

Spark Igniter Assembly



STOCK NO	EACH
For Series 200/201, New Part #100191120	
AO9009027005	218.70
For 200 Series Models BTH 300-500	
AO100187881	319.95
For 300 Series Models BTH 120-250	
AO100271888	314.55
For 300 Series Models BTH 300-500	
AO100271889	384.75

Main Control Board



For Models BTH 120-250.

STOCK NO	EACH
AO100312667	433.35

Exhaust/Condensate Elbow Assembly



3" for BTH 120-250. 4" for BTH 300-500.

SIZE	STOCK NO	EACH
3"	AO9008908005	233.55
4"	AO9008909005	184.95

Gas Valve/Venturie Assembly



For Models BTH 120N.

STOCK NO	EACH
AO9008918005	765.45

Gas Valve



For Models BTH 150-250N.

STOCK NO	EACH
AO9008920005	834.30

Blocked Inlet Switch



2.3" for BTH 120, 300-500. For BTH 150-250.

SIZE	STOCK NO	EACH
2.3"	AO9008996015	103.95
N/A	AO9008860015	103.95

Blower Provider Switch



For BTH 120. 1.0" for BTH 150-500.

SIZE	STOCK NO	EACH
N/A	AO9008861015	106.65
1.0"	AO9008904015	106.65

Blocked Outlet Switch



2.0" For Models BTH 120-250N.

STOCK NO	EACH
AO9008905015	103.95

Screw-In Elements



STOCK NO	EACH
1500W 120V HWD Bilingual	
CA02143	11.66
4500W 240V HWD Bilingual	
CA02343	11.69
4500W 240V LWD Foldback Bilingual	
CA02583	16.33
4500W 240V ULWD LimeLife Foldback	
CA02923	36.99

Water Heater Apcom Thermostats



Apcom style universal Water Heater Thermostats. Energy efficient range setting adjustable from 110°F - 160°F. Built-in safety switch to help prevent the water heater from overheating.

STYLE	STOCK NO	EACH
Single Element w/HLC	CA07843	31.59

Thermocouple Kit - 24"



Kit contains a burner access door gasket, #20 Torx-head tool, four torx-head screws, four J-style clip-on nuts and a 24" thermocouple.

STOCK NO	EACH
CA09293	9.49

4" Element Wrench



Zinc plated, fits all screw-in elements (1½" nuts). Works with most screw drivers.

STOCK NO	EACH
CA09943	8.89

Element Socket



Chrome plated, for easy replacement of screw-in water heater elements. Fits standard ½" socket drive.

STOCK NO	EACH
CA09953	22.20

Dielectric Nipples - ¾" NPT



The 2½" dielectric nipple is designed for use in water heater inlet and outlet hook-ups. The ends are ¾" NPT tapered pipe thread, 2½" in length. Sold in a 2-pack.

STOCK NO	EACH
CA10623	10.84

T&P Valves



¾" NPT connection. Up to 150 PSI and/or 210°F.

DESCRIPTION	STOCK NO	EACH
4" Coated Probe	CA10473	26.97

Plastic Water Heater Drain Valve



Reinforced plastic ¾" NPT thread inlet and ¾" NH thread outlet with 2½" shank. Easy grip handle.

STOCK NO	EACH
CA11523	6.59

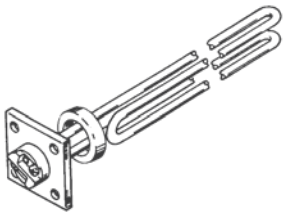
Collapsible Bucket



SIZE	STOCK NO	EACH
3 Gallon	CA42993	21.40

Electric Parts

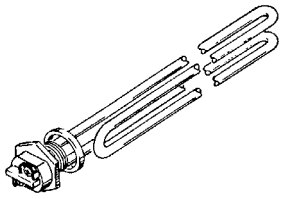
Master-Fit® Electric Heater Flanged Elements



- Lowest practical watt density for size.
- For residential and light commercial use
- Zinc plated for corrosion protection
- Made with forged steel flanges for strength.
- For 2½" bolt-circle-diameter round and square flanges.

WATTAGE	VOLT	STOCK NO	EACH
4500	240	AO2361710	30.17

Master-Fit® Electric Heater Screw-in Elements



- Lowest practical watt density for size.
- Convertible to five different flange types
- For residential and light commercial use
- Zinc plated for corrosion protection
- Made with forged steel flanges for strength.

WATTAGE	VOLT	STOCK NO	EACH
1500	120	AO9004777105	63.45
1650	120	AO9002072005	52.65
2000	120	AO9003947115	67.50
1500	240	AO9002864005	63.45
2500	240	AO9002860115	78.30
2500	277	AO9002890005	71.55
4500	240	4500WSC	37.13
6000	240	AO9003952115	62.10

PHOENIX Electric Heater Screw-in Element

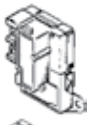


- Extreme low density element
- Resists overheating caused by scale, sludge and dry firing.

WATTAGE	VOLT	STOCK NO	EACH
4500	240	AO9003210115	78.30

Single Throw Thermostat

Single pole, single throw, Temp. Range 110˚ to 150˚ F.



USAGE	STOCK NO	EACH
Lower	AO9004714115	35.10

Double Throw Thermostat

Single pole, double throw, with high limit control.



USAGE	STOCK NO	EACH
Upper	AO9004428115	67.50

Rectifier Assembly



LENGTH	STOCK NO	EACH
14"	AO100327350	108.00

Adapter Flange

2½" bolt circle; 1 49/64" centers; most widely used flange design. Includes gasket.



STOCK NO	EACH
AO9004704115	49.95

Heat Trap Fittings

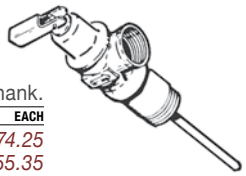
(2) ¾" x 3" PEXshield



STOCK NO	EACH
AO9000415015	24.30

Temperature and Pressure Relief Valve

¾", 150 PSI, 210 F, 105,000 CSA, Extended Shank.



SIZE	STOCK NO	EACH
2"	AO9003741005	74.25
3"	AO100108779	55.35

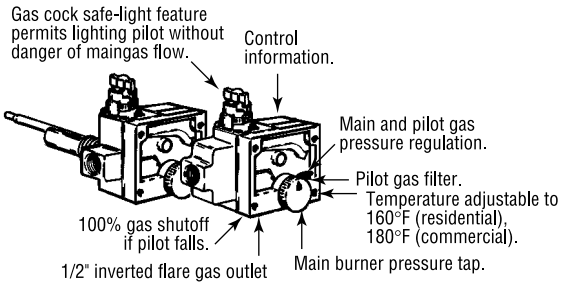
Inlet Tube

Drop-In Dip Tube, 36" Long



STOCK NO	EACH
AO9004938005	32.40

Gas Parts



Gas Water Heater Controls

Residential — 160˚F. Maximum Setting

IMPORTANT:

To select proper gas valve, determine the date of manufacture of water heater according to the serial number. The following examples of water heater serial numbers show how the month and year of manufacture are determined:

850 - J - 77 - 12345
Month* (Sept.) — Year (1977)

AL83 - 12345 - 900
Plant of Mfg. — Month* (Nov.) — Year (1981)

914 - A - C - 83 - 06658
Plant of Mfg. — Month* (March) — Year (1983)

NO5 - M - M - 84 - 12229
Plant of Mfg. — Month* (Dec.) — Year (1984)

***Letter code for month designation:**

A - January	D - April	G - July	K - October
B - February	E - May	H - August	L - November
C - March	F - June	J - September	M - December

TYPE	STOCK NO	EACH
1¼" Shank		
Natural	AO9004703105	357.75
L.P.	AO23808	450.90
*L.P.	AO9003408005	567.00
2½" Shank		
Natural	AO9004353105	368.55

*L.P. Control with Left Hand Threads, for heaters manufactured after 1-1-93

Temperature and Pressure Relief Valves
4" Probe - 105,000 BTU's @ 150 PSI

SIZE	PRES	STOCK NO	EACH
¾"	150#	WA34100XL150	55.59



A.S.M.E. Rated Self-Closing Temperature and Pressure Relief Valves
Temperature Relief 210˚F.

STD. SETTING LBS.	STEAM RATING M.B.H.	SIZE	STOCK NO	PRICE
With Short Thermostat				
150	450	1"	WA140L150	1150.78
150	180	¾"	WA3440L150	701.10



Series 174A A.S.M.E. Water Pressure Safety Relief Valves
Bronze body safety relief valves for pressure protection only of all types of hot water heating boiler equipment. Pressure range 30 to 150 lbs. with corresponding high BTU/Hr. ratings from 650,000 to 14,370,000 BTU/Hr. Female inlet and outlet connections.

SIZE	LBS.	M.B.T.U.	STOCK NO	EACH
¾"	30	650	WA34174A30	279.21
¾"	125	2070	WA34174A125	491.37
1"	30	1005	WA1174A30	465.05
1"	100	2635	WA1174A100	1275.84
1"	125	3215	WA1174A125	1045.98
1¼"	30	1682	WA114174A30	803.56
1¼"	100	4399	WA114174A100	2016.93
1¼"	125	5370	WA114174A125	1656.11
2"	30	3815	WA2174A30	1224.54



Cash Acme VR20 Vacuum Relief Valves
Lead free • CSA Certified • ANSI Z21.22

SIZE	STOCK NO	EACH
½"	22397LF	25.27
¾"	22398LF	26.35

(21)
Shut off valve with HP upgrade
For Hybrid Electric AO Smith

STOCK NO	EACH
AO100345338	268.65



Apollo Pressure Relief Valve
150 PSI

SIZE	STOCK NO	EACH
¾"	AP1740204	70.63

(02)
Dielectric Insulation Kit for 150# Flanges

SIZE	STOCK NO	PRICE
2½"	212INKI	117.82
3"	3INKI	121.53
4"	4INKI	217.43
6"	6INKI	283.34



FVMX Commercial T&P Relief Valves
Temperature Relief 210˚F.
Standard factory pressure relief setting of 150 psi

IN/OUT SIZE	PROBE SIZE	ASME RATING MBTU/HR (150 PSIG)	STOCK NO	PRICE
¾"	5"	1912	232550150	146.23
1"	5"	2155	232760150	186.62
Long Shank				
¾"	5"	1912	206820150	156.38
1"	6"	2155	200590150	194.40



IWTG
Hose Connection Gauge used to test water supply pressures within a distribution system. 0 to 200 PSI Scale. ¾" H.T. Hose connection.

SIZE	STOCK NO	EACH
2½" Dial	IWTG	79.04



Square Commercial Water Heater Pan
16 ga. Galvanized

SIZE	STOCK NO	EACH
20" x 4" deep	20WAHEPA	507.60



IPS Round Water Heater Pans

SIZE	STOCK NO	EACH
Plastic • 2½" deep • 1" x 1½" PVC Drain		
24" ID x 26" OD	IPS86985	22.09
Aluminum • 2⅛" deep • 1" x 1½" PVC Drain		
24" ID x 26" OD	IPS87006	70.72
26" ID x 28" OD	IPS87010	112.94



Model FX Dielectric Union
F.I.P. to Solder

SIZE	STOCK NO	EACH
ASSE 1079 MN Code Approved		
¾ x ½"	12X34FXDIU	37.76
½"	12FXDIU	45.54
¾"	34FXDIU	45.54
1"	1FXDIU	96.85
1¼"	114FXDIU	159.48
1½"	112FXDIU	228.96
2"	2FXDIU	321.60
Gasket for FX Union		
½"	12FXGA	4.78
¾"	34FXGA	4.82



Lead Free
Model HAB Dielectric Union
F.I.P. to F.I.P. With No. 1 Gasket
NOT MN Code Approved

SIZE	STOCK NO	EACH
½"	12HABDIU	58.32
¾"	34HABDIU	58.21
1"	1HABDIU	76.55
1¼"	114HABDIU	119.77
1½"	112HABDIU	163.81
2"	2HABDIU	250.70



Model FB Dielectric Union
M.I.P. to Solder
NOT MN Code Approved

SIZE	STOCK NO	EACH
¾"	34FBDIU	54.07



Model GX Dielectric Flange Union
F.I.P. to Solder

SIZE	STOCK NO	EACH
2½"	212GXDIU	671.61
3"	3GXDIU	919.00
4"	4GXDIU	2428.53



Camco Round Water Heater Pans

SIZE	STOCK NO	EACH
Plastic • 2.63" deep		
24" Diameter	CA11360	12.56
Aluminum • 3" deep		
24" Diameter	CA20833	29.87
26" Diameter	CA20813	35.14



Square Water Heater Pans
Zinc plated steel construction

SIZE	STOCK NO	EACH
24" x 4" deep	CA20922	65.43
30" x 6.25" deep	CA20932	89.86

Oatey Quiet Pipes® Hammer Arrestors



Lead-free, made of copper and include a polypropylene piston with 2 NBR o-rings. ANSI/ASSE1010-2004 certified and approved for install at any angle with no access panel required.

CONN. SIZE	ARRESTOR SIZE	OVERALL HEIGHT	OVERALL WIDTH	STOCK NO	EACH
½" MIP	A	4.76"	1.125"	12PP	22.04
¾" MIP	B	5.39"	1.125"	34PP	26.03
1" MIP	C	6.74"	1.375"	1PP	65.87
1" MIP	E	9.24"	2.125"	112PP	114.80
1" MIP	F	11.23"	2.125"	2PP	172.35

Quiet Pipes Water Hammer Arrestors



- Provides a permanent and affordable solution to water hammer
- Approved for sealed wall installations with no access panel required

STOCK NO	EACH
½" Male Sweat Connection	
OA34498	17.35
Laundry ¾"FSWH x ¾" MH	
OA38600	22.04

Oatey QUIET PIPES® Hammer Arrestors



Quiet Pipes use a piston design to help absorb the water shock in the system to prevent banging within the pipeline

DESCRIPTION	STOCK NO	EACH
A, ½" F1807 PEX	OA34482	24.19
B, ¾" F1807 PEX	OA34493	28.19
C, 1" F1807 PEX	OA34494	63.95
A, ½" F1960 PEX	OA34476	26.66
B, ¾" F1960 PEX	OA34495	36.28
C, 1" F1960 PEX	OA34496	77.39

Sioux Chief Hammer Arrestors See Page 422

26A Watts Water Pressure Regulator



For beverage dispensing equipment, paint spraying, drinking fountains, and range set at 10 psi. Initial pressures up to 300 lbs.

SIZE	STOCK NO	EACH
⅜"	WA3826A	489.50



(21)

Product Preservers™ Powered Anode System

- Quickly adjusts to the local water conditions.
- Built-in LED fault light and audible alarm.
- Standard 120 volt wall outlet.
- Eliminates smelly water caused by sulfate.
- Protects for years; no maintenance required.
- Great for softened water applications.

LENGTH	STOCK NO	EACH
19.96"	AO100305721	342.90



(21)

Flexible Aluminum Anode Rod

3/4" MIP, 1-1/16" Hex Head, Aluminum

DIA.	LENGTH	STOCK NO	EACH
.75"	33-48"	AO9005742105	153.90



(21)

Zinc Aluminum KA-90 Anode Rod

3/4" MIP, 1-1/16" Hex Head, Zinc/Aluminum

DIA.	LENGTH	STOCK NO	EACH
.75"	42"	AO9001453005	112.05



(21)

Water Heater Drain Valve

STOCK NO	EACH
AO9000679015	32.40



Side Mount Runoff Tube

Wisconsin CODE

Can be cut to desired length. Gasket included.

STOCK NO	EACH
SP11955C	12.10



Rough-In ready™ Preformed Copper Tube Water Heater Connector

- Full-Slip ¾" fitting.
- Brass FIP swivel nut includes EPDM gasket.

STOCK NO	EACH
Full-Slip Connector	
SC633312	19.37
Full-Slip Connector with Valve	
SC633312FP	61.59

watts.com



Watts Water Tempering Valves

With replaceable thermostat

Temperature Range 120˚ to 160˚ Fah.

For mechanical use only; NOT for water directly contacting human skin.

SIZE	STOCK NO	EACH
Sweat Connections		
¾"	WA34C70A	473.72
I.P.S. Connections		
¾"	WA3470AT	548.96

NOTE: See page 358 for other mixing valves.



(31)

Cash Acme Thermostatic Mixing Valve Kit

- HeatGuard® Tank Booster
- 140° F Storage Temperature
- Meets ASSE 1017 & 1070 standards.

STOCK NO	EACH
MIX02020LF	222.95



HO30SWHPM



HO40SWHPW

(02)

Quick Stand Suspended Platform

Galvanized Steel Ceiling Mount

STOCK NO	EACH
24" x 24" x 4" • 1¼" Steel Drain Fitting Load Rating; up to 20 Gal. 300 lbs.	
HO30SWHPM	350.74
21¼" x 21¼" x 2½" • 1" PVC Drain Fitting Load Rating; up to 20 Gal. 375 lbs.	
HO40SWHPW	424.93



(02)

Quick Stand 30"

Galvanized Steel Floor Mount

30" x 30" x 16" • Assembly Required. Load Rating; up to 100 Gal. 1200 lbs.

STOCK NO	EACH
HO40S30U	256.31

Cygna Series

- Demand Competitor Control Series
- Two tank or cabinet models
- Poly Wound Mineral Tank
- Stainless Steel Bypass Included
- Safety Float Assembly

5 year GVEX Warranty



Metered Regeneration

STOCK NO	EACH
Two-Tank Model	
YD24B	*973.15*
YD241B (Wisc.)	*973.15*
YD32B	*1044.08*
YD321B (Wisc.)	*1044.08*
Cabinet Model	
YCD24B	*1013.46*
YCD32B	*1094.08*
YCD321B (Wisc.)	*1094.08*

Specifications	Two-Tank Models		Cabinet Models	
	YD24+1B	YD32+1B	YCD24	YCD32+1B
Grain capacity	24,000	32,000	24,000	32,000
Lbs. salt / regeneration	12	15	12	15
Max. Raw Water Hardness (grains)	50	75	50	75
Max. Clear Iron/Magn. (ppm)	3	5	3	5
Cation Exchange Resin (cu ft)	.75	1.00	.75	1.00
Mineral Tank (polyglass)	8"x44"	9"x48"	8"x35"	10"x35"
Brine Tank (polyethylene)	18"x33"	18"x33"	11"x11"	11"x11"
Service Flow Rate (gpm)	8	10	8	10
Back Wash Flowrate (gpm)	1.5	2.0	1.5	2.0
Space Required (DxWxH)	18"x26"x51"	18"x26"x51"	18"x26"x51"	18"x27"x55"
Approx. shipping weight (lbs)	88	100	88	100

Standard Two Tank Series

- Eliminates Hardness (Calcium & Magnesium)
- Reduces Iron / Manganese Stains and taste
- Isobar III Control Valve System
- Legacy View Bluetooth Enabled
- Adjustable Cycle Times
- 9 Volt Battery Back-Up
- Two valve bypass with 1" MNPT
- High Flow 1" distributor
- High Capacity Exchange Resin

7 Year GVEX Warranty



Metered Regeneration

STOCK NO	EACH
Two-Tank Model	
DS243	*1278.54*
DS323	*1369.26*
DS483	*1492.05*
Cabinet Model	
CD243	*1245.89*
CD323	*1317.25*

Specifications	Cabinet Models		Two-Tank Models		
	CD24-3	CD32-3	DS24-3	DS32-3	DS48-3
Grain capacity	24,000	32,000	24,000	32,000	48,000
Lbs salt / regeneration	12	15	12	15	24
Max. Raw Water Hardness (grains)	50	75	50	75	100
Max. Clear Iron/Magn. (ppm)	3	5	3	5	5
Cation Exchange Resin (cu ft)	.75	1.0	.75	1.0	1.5
Mineral Tank (polyglass)	9"x35"	9"x35"	8"x44"	9"x48"	10"x54"
Brine Tank (polyethylene)	N/A	N/A	16"x33"	16"x33"	16"x33"
Service Flow Rate (gpm)	8	11	8	10	11
Back Wash Flowrate (gpm)	2.0	2.0	2.0	2.4	3.0
Space Required (DxWxH)	14"x23"x45"	14"x23"x45"	16"x26"x53"	16"x27"x56"	16"x28"x62"
Approx. shipping weight (lbs)	88	100	88	100	133

High Capacity Series

- Eliminates Hardness (Calcium & Magnesium)
- Reduces Iron / Manganese Stains and taste
- Isobar III Control Valve System
- Legacy View Bluetooth Enabled
- 9 Volt Battery Back-Up
- Slide Cover
- Rain Tight Cover Seal
- Two valve bypass with 1" MNPT
- High Flow 1" distributor
- High Capacity Exchange Resin
- Empress Vortech Distributor

7 Year GVEX Warranty



Metered Regeneration

STOCK NO	EACH
Two-Tank Model	
HD333	*1525.31*
HD513	*1660.78*
Cabinet Model	
CHD333	*1446.08*

Specifications	HD33-3	HD51-3
Grain capacity (per tank)	35,000	52,500
Lbs. salt / regeneration	15	24
Underbed "D" Gravel Required (pounds)	20	20
Max. Raw Water Hardness (grains)	75	100
Max. Clear Iron/Magn. (ppm)	5	10
Cation Exchange Resin (cu ft)	1.0	1.5
Mineral Tank (polyglass)	9"x48"	10"x54"
Brine Tank (polyethylene)	16"x33"	16"x33"
Service Flow Rate (gpm)	10	11
Back Wash Flowrate (gpm)	1.2	1.5
Presure Drop @ Rated Service Flow	10 psig	
Working Pressure	125 psig Max./20 psig Min.	
Operating Temp.	120° F Max./33° F Min.	
Space Required (DxWxH)	16"x27"x56"	16"x28"x56"
Approx. shipping weight (lbs)	130	163

Twin Softener with Legacy View

- Legacy View Bluetooth enabled control valve for advanced diagnostics and simplified set up
- Simple 9 volt battery back-up keeps electronic meter active and will motor control valve to shut off position if in regeneration during power failure
- Optional double backwash feature offers optimum regeneration, cleaning ability, and efficiency
- Treated water refill with pre-brine option
- Downflow regeneration
- 12 VDC operation
- Two valve bypass with 1" MNPT Connections
- 5 cycles, all fully adjustable
- Programming ease and options increase efficiency, save salt and water
- Strong, durable Noryl valve body, weather insect resistant onepiece, slide.
- Immediate initiated regeneration
- 24 hour / day soft water
- Limited 5 year warranty



STOCK NO	EACH
IT64VTW	*2173.65*

Twin Demand Specifications	Isobar Twin Models IT64V-WS
Grain capacity (per tank)	27,000
Max. Raw Water Hardness (grains)	75
Max. Clear Iron/Magn. (ppm)	5
Exchange Resin (cu ft)	1
Mineral Tank (polyglass)	(2) 9"x48"
Brine Tank (polyethylene)	16"x33"
Service Flow Rate (gpm)	10
Back Wash Flowrate (gpm)	1.5
Space Required (DxWxH)	16"x34"x56"
Approx. shipping weight (lbs)	169

Modular Replacement Valves

FOR SERIES	STOCK NO	EACH
Metered Valves • LESS Bypass • Fits Stainless Steel Bypass		
Cygna	*WS20563H501LB*	*457.29*
Isobar RS1 (New Style Cabinet)	*WS20016X541LB*	*713.95*
Metered Valves • LESS Bypass • Fits NEW 1" Noryl Bypass		
Isobar III	*WS22943C143LB*	*674.53*
Centuri Iron III	*WS22944C107LB*	*628.98*

WaterSoft inc.

City Soft Series

- Reduces hardness (Calcium & Magnesium)
- Reduces Chlorine and Chloramine taste and odor
- Isobar III Control Valve
- Legacy View Bluetooth Enabled
- Adjustable Cycle Times
- 9 Volt Battery Backup
- Two valve bypass with 1" MNPT
- High Flow 1" distributor
- Mid-Vortech Standard
- 7 Year GVEX Warranty



Metered Regeneration

STOCK NO	EACH
DSC323	*1818.64*

Twin Demand Specifications	DSC32-3
Grain capacity (per tank)	27,000
Lbs. salt / regeneration	9
Max. Raw Water Hardness (grains)	75
Max. Raw Water Iron (ppm)	5
Activated Carbon Media (cu ft)	.5
Mineral Tank (polyglass)	10"x54"
Gallons Used/Backwash	81
Service Flow Rate (gpm)	5
Back Wash Flowrate (gpm)	2.4
Space Required (DxWxH)	16"x28"x62"
Approx. shipping weight (lbs)	130

Tannin/Hardness Treatment System

- Reduces Hardness (Calcium & Magnesium)
- Reduces Tannin stains, taste & odor
- Isobar III Control Valve System
- Legacy View Bluetooth Enabled
- 9 Volt Battery Back-Up
- Two valve bypass with 1" MNPT
- High Flow 1" distributor
- Vortech Standard
- 7 Year GVEX Warranty



STOCK NO	EACH
DST323	*1795.04*
DST643	*2473.02*

Nitrate & Tannin Specifications	DST32-3	DST64-3
Grain capacity	24,000	48,000
Salt Used Reg. (lbs)	12	24
Exchange Resin (cu.ft.)	.75	1.5
Tannin Resin (cu.ft.)	.25	.50
Mineral Tank	9"x48"	12"x52"
Brine Tank	16"x 33"	16"x 33"
Service Flow (gpm)	10	12
Backwash Rate (gpm)	1.3	2.0
Approx. Shipping Wt.	100	164

¾" to 1" Adapters for Isobar III Units on page 520



SharkBite Push-Fit Flexible Hoses

24" Water Softener Hose

SIZE	STOCK NO	EACH
¾" x 1"FIP	*34124SBWSC*	*31.19*



Centuri Iron/Sulfer Filter Series

- Isobar III Control Valve System
- Legacy View Bluetooth Enabled
- 9 Volt Battery Back-Up
- Two valve bypass with 1" MNPT
- High Flow 1" distributor
- Empress Vortech Distributor
- Smart Blend™ reduces iron, manganese & sulfur
- Single Tank Aeration can be used with any type of well pump and system

7 Year GVEX Warranty



STOCK NO	EACH
CF103	*1391.99*
CF133	*1764.99*

Iron/Sulfur Treatment	CF10-3	CF13-3
Filter Media capacity	1.5	2.5
Mineral Tank	10"x54"	13"x54"
Service Flow (gpm)	5	8
Backwash Rate (gpm)	5.0	7.0
Gallons Used/Backwash	106	146
Approx. Shipping Wt.	145	221

Sidewindr Single Tank Aeration Filter

- Air is injected into the top of the tank converting ferrous iron to ferric iron after untreated water has passed through the control valve preventing the control valve from fouling with iron
- Isobar III Control Valve System
- Legacy View Bluetooth Enabled
- Air draw cycle can be initiated without a backwash cycle
- Two valve bypass with 1" MNPT
- High Flow 1" distributor
- 9 volt battery Back-up
- 7 Year GVEX Warranty



STOCK NO	EACH
SW103	*1857.37*
SW133	*2229.69*

Replacement Valve Head, LESS Bypass

WS22015X541	*748.12*

Sidewindr Specifications	SW10-3	SW13-3
Filtration capacity	1.5 cu. ft.	2.5 cu. ft.
Continuous Flow Rate	5 gpm	8 gpm
Intermittent Flow Rate	7 gpm	10 gpm
Mineral Tank	10"x54"	13"x54"
Space Required	10"x21"x61"	13"x24"x61"
Backwash Flow (gpm)	5.0	7.0
Gallons Used	106	146
Approx. Shipping Wt.	160	254

Ozone Complete

For use with Sidewindr Tank Only



STOCK NO	EACH
OXY03	*571.54*

G-Series Whole House/Neutralizer

Media Filter

- 1" FNPT Stainless Steel Bypass
- Isobar III Control Valve System
- Legacy View Bluetooth Enabled (Pg. 520)
- 9 Volt Battery Back-Up
- Slide Cover
- Rain Tight Cover Seal
- High Backwash Capacity
- No Chemical Regenerants Needed
- Empress Vortech Distributor Plate
- Port Fill
- 7 Year GVEX Warranty



STOCK NO	EACH
G9ND3	*1226.53*

Chemicals for Softeners and Water Heaters



(00)

Iron Out

DESCRIPTION	STOCK NO	EACH
1⅛ lb. box	118IROU	8.51

Resin Cleaner

DESCRIPTION	STOCK NO	EACH
½ Gallon	WSRK64	82.50
Gallon	T60024	108.86



Res-Up Feeder Kit

For Hi-Capacity

STOCK NO	EACH
WSRK15	27.22

Softener Exchange Resin

1 Cube

STOCK NO	EACH
WSSR100	206.01

1 Cube Neutralizer

STOCK NO	EACH
NE100	96.86

ISO II to ISO III Bypass Kit



NPT Elbow Set

SIZE	STOCK NO	EACH
1"	WS20017X284	15.59



D-15 Bypass Valve

STOCK NO	EACH
WS20017X283	49.90

Water Softener Products



Drain Hose Connection

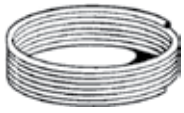
DESCRIPTION	STOCK NO	EACH
5/8" O.D.	07158	11.52



Iron, Hardness & PH Tester

STOCK NO	EACH
WS2401	149.69

(18)



Drain & Overflow Line

Clear Vinyl Tubing

DESCRIPTION	STOCK NO	EACH
½ I.D. x 100'	12IDCLTU	53.43



Stainless Steel Bypass

Single-Lever Stainless Steel Bypass with female threaded connection.

SIZE	STOCK NO	EACH
¾"	WS20561X270	72.77
1"	WS20561X283	72.77



Shark Skin Jacket

For WaterSoft Water Softeners

SIZE	STOCK NO	PER FOOT
8" x 44"	WSSK8J	53.58
9" x 48"	WSSK9J	54.43
10" x 54"	WSSK10J	56.98



OxyClean for Sidewindr

Injects a peroxide or chlorine solution only during backwash.

Tank Size - 5 Gallons

ONLY models made prior to Sept. 2022

STOCK NO	EACH
OXY08NP	103.76



Low-Salt Sensor

Wireless

STOCK NO	EACH
WSR2014	86.75

Circuit Board, Harness & Motor

For RS1 Softener

STOCK NO	EACH
WS20016X102	277.26



Male Adapter Set

Adjusts 1" to 3/4" for ISOBAR III units

SIZE	STOCK NO	EACH
¾"	WS20017X307	15.59



Piston Assembly

Watersoft Isobar 2 & 3 softener and filters

STOCK NO	EACH
WS20001X231	59.54

AO Smith
Residential Water Conditioners (18)

AOW-S400 & S500
Residential Water Treatment Softening



Designed for durability – protect your home from hard water. Reduce scale buildup, eliminate water spots and stains, extend the life of your appliances and preserve the colors in your favourite fabrics.

- Designed, engineered and built to last:
  patented, slim, single-unit design with bypass valve
- No sediment filter changes – ever:
  safe time and money with the self-cleaning sediment filter
- Power loss protection:
  backup battery safes your settings in case of a power loss
- Fast and quiet regeneration:
  recharges softening media quickly so you don't experience downtime
- Modify settings with touch screen:
  2,7″ monohrome touchscreen controller
- Peace of mind with warranty

STOCK NO	EACH
AOS400	*939.60*
With Wifi (AOS500 Only)	
AOS500	*1221.08*

S400 & S500 Specifications	AOS400	AOS500
Grain capacity (per tank)	34,800	49,800
Flow Rate	7 GPM	7 GPM
Min Pressure	20 psi	20 psi
Max Pressure	120 psi	120 psi
Min Temperature	40° F	40° F
Max Temperature	120° F	120° F
Inlet/Outlet	1" MIP	1" MIP
Certifications	Standard 44	Standard 44
Certifier	NSF/ANSI	NSF/ANSI
Max Iron Rating	10 ppm	10 ppm
Space Required (WxH)	28.8" x 32"	28.8" x 39.5"
Warranty: 1 year complete unit, 3 year on electronics, 6 year on valve, 12 year on media tank and cabinet		

Water Filtration Products (18c)

PS5 Replacement Cartridge (45)

R.O. Membrane
For PS5 Series.

STOCK NO	EACH
WCNI104592	220.27

Line Carbon Filter
For PS5 Series.

STOCK NO	EACH
WCNI104803	55.08

Reverse Osmosis Systems





(45)
TFC Reverse Osmosis
3-stage, NSF Certified. Fits under sink. 50 Gallons/day. Input requirements:
- 40 - 125 psi water pressure
- 40 - 110° water temperature
- 4 - 11 pH

STOCK NO	EACH
Compact Drinking Water Appliance	
WSTFC3	457.23
Stage 1 - Prefilter Replacement	
Removes sediment and chlorine	
WSPREGAC	28.92
Stage 2 - Membrane Replacement	
For dissolved solids and impurities	
WSMMTFC	92.70
Stage 3 - Postfilter Replacement	
Reduces tastes and odors	
WSPSTGAC	22.11



Booster Pump
For Reverse Osmosis Systems

STOCK NO	EACH
WSBP3	289.17

Whole House Dirt/Rust Filters



AP217
- Dirt/rust/taste/odor
- Threaded connector
- Fits model AP200

QTY.	STOCK NO	EACH
2	AP217PK	156.32

(08)
Reverse Osmosis Poly Tubing



100' Rolls

SIZE & COLOR	STOCK NO	EACH
1/4" O.D. Red	57005X003	51.12
3/8" O.D. Clear/Frosted	57005X002	83.31

Reverse Osmosis Poly Tubing
Cut to Measure

SIZE & COLOR	STOCK NO	PER FOOT
1/4" O.D. Blue	WSRO100C	.38

PEX Coupling

DESCRIPTION	STOCK NO	EACH
3/4"MPT x 3/4" PEX	ST34PRMAADWS	7.02
1"MPT x 3/4" PEX	ST1PRMAADWS	12.06

Drinking Water System



(18c)
AP-DW8090
- Replacement cartridges for AP-DWS1000
- Sold in set of (2).

STOCK NO	PAIR
APDW8090	247.38



(18)
Drinking Water Faucet
Bar and sink faucet with unbreakable plastic handle—press down for easy flow, lift for continuous flow. 1/2" minimum, 1 7/8" maximum hole required.

STOCK NO	EACH
DWF	50.90

Boshart Filtration (2)

usa.boshart.com

Giant Filter Housing Kit



- Max Pressure Rating: 125 PSI
- Temperature Rating: 39-100°F
- Filter head comes with pressure relief button on inlet side
- Mounting bosses molded in head for installation with mounting bracket
- Housing kit comes complete with filter housing, 1 O-ring installed plus 1 replacement O-ring, mounting bracket & hardware, and bowl wrench

Industry standard cartridges (not included)

INLET/OUTLET	BOWL LENGTH	STOCK NO	EACH
1" NPT	10" Blue	14FHKGB1010	101.95
1½" NPT	10" Blue	14FHKGB1015	112.04
1½" NPT	20" Blue	14FHKGB2015	143.64

Giant Spun Polypropylene Cartridge



Reduce sediment, dirt, rust and particles. 100% melt-blown micron-denier polypropylene fiber.

Fits Giant Filter Housing Kits

SIZE	STOCK NO	EACH
10" (5 Micron Rating)	14GSP105	13.32

Valve in Head Housing Kit



- Max Pressure Rating: 100 PSI
- Temperature Rating: 40-100°F
- Lid features a buttress thread design for superior sealing
- Built in three way valve in head
- Includes mounting bracket & screws, housing wrench

Accepts 10" Filter Cartridges (not included)

INLET/OUTLET	BOWL LENGTH	STOCK NO	EACH
¾" FPT	10" White	PWHIB34WVIH	137.51

PWMB10M5



Reduce sediment, dirt, rust and particles

Fits 10" Valve in Head Housings

DESCRIPTION	STOCK NO	EACH
Nom. 5 micron	PWMB10M5	14.80

PWGAC10



Removes chlorine odor and taste from water.

Fits 10" Valve in Head Housings

STOCK NO	EACH
PWGAC10	29.62

PWOR

O-Rings

HOUSING	STOCK NO	EACH
Valve in Head	PWORSTDHSG	8.88
Full Flow	PWORFFHSG	11.50

Full Flow



1½" Pipe Size

***Filter, Wrench, & Bracket Not Included**

(See PWMB10FFM5 - 10" Filter)
(See PWMB20FFM5 - 20" Filter)
(See PWWRFFHSG - Wrench)
(See PWMBFF1 - Bracket)
Sump Blue, Cap Black PR

HOUSING	STOCK NO	EACH
20"	PWHP20FF15PBR	215.81

PWMB10FF



Reduce sediment, dirt, rust and particles. Food grade for use with beverages, food, and potable water.

Fits Full Flow Housings

SIZE	STOCK NO	EACH
10"	PWMB10FFM5	50.98
20"	PWMB20FFM5	79.95

PWCB10FFP



Top-of-the-line coconut shell Carbon Block filter cartridge for chlorine taste, odor and sediment reduction

Fits Full Flow Housings

STOCK NO	EACH
PWCB10FFP	136.19

Watts Water Filtration (18C)

watts.com/purewater

PWDWUFKC3



Kwik-Change™ Ultra Filtration Membrane Water Filtration System

- Equipped with long reach faucet for easy fill
- Kwik-Change™ cartridges are the fastest changeable cartridges on the market (30-second filter changeout process)
- Connect/disconnect cartridges with ¼-turn
- Installs under sink or in limited space
- Double Seal O-ring cartridges
- No storage tank needed
- Requires only normal line pressure to operate
- Dispenses a continuous supply of water
- Requires minimal maintenance

10" W x 15" H x 4" D - 2000 Gallon Capacity

FAUCET FINISH	STOCK NO	EACH
Nickel	PWDWUFKC3	554.63

***Replacement Filter Kit**

Sediment Filter, Carbon Block Filter & UF membrane

STOCK NO	EACH
PWFPKKCUF	203.96

PWDWHCUC1



Single Stage High Capacity Carbon Filtration System

- Reduces Parasitic Cyst, Sediment, Chlorine Taste and Odors for all the cold water to your faucet
- High Flow 0.5 micron Carbon Block
- 1 year (10,000 gallon) filtration capacity
- Easy Installation ⅜" Quick Connect
- Includes all parts and tubing

5"W x 14.25"H x 3.5"D - 1.6 gpm

STOCK NO	EACH
PWDWHCUC1	343.44

***Replacement Filter Cartridge**

STOCK NO	EACH
PWCBHCUC1	188.81

PWIL Ice Maker Filter



Reduces bad taste/odor, and scale Calcite to balance pH and KDF for inhibiting bacterial growth
¼" FNPT Connections, .75 gpm

STOCK NO	EACH
PWILGACPH10	47.71

PWMB Brackets



Mounting Bracket for Single Housings
Includes housing mounting screws

HOUSING	STOCK NO	EACH
Valve in Head	PWMBSTD1	20.06
Full Flow	PWMBFF1	40.12

PWWR

Filter housing wrenches

HOUSING	STOCK NO	EACH
Valve in Head	PWWRSTDHSG	19.41
Full Flow	PWWRFFHSG	21.38

Water Filtration Products

johnguest.com

John Guest (18)

Speedfit® Poly Push-In Coupling



SIZE	STOCK NO	EACH
1/4" x 1/4"	14PPC	3.07
3/8" x 3/8"	38PPC	4.15
3/8" x 1/4"	38X14PPC	4.24

Speedfit® Poly Push-In Tee



SIZE	STOCK NO	EACH
1/4" x 1/4" x 1/4"	14PPT	4.42
3/8" x 3/8" x 3/8"	38PPT	5.39
3/8" x 3/8" x 1/4"	38X14PPT	5.69

Speedfit® Poly Push-In 90° Male Elbow



SIZE	STOCK NO	EACH
1/4" x 1/4"	14PPFML	3.57
3/8" x 1/4"	3814PPFML	4.68

Speedfit® Poly Male Adapter

Compression x Male Adapter



SIZE	STOCK NO	EACH
1/4" x 1/4"	14PPMA	2.27
3/8" x 1/2"	PI011224S	6.52

Speedfit® Poly Angle Stop Adapter

Compression x Compression x Tube OD



SIZE	STOCK NO	EACH
3/8" x 3/8" x 1/4"	ASVPP1	21.22
3/8" x 3/8" x 3/8"	ASVPP2	22.01

Speedfit® Poly Angle Stop Adapter

Male Female NPS x Compression x Tube OD



SIZE	STOCK NO	EACH
1/2" x 3/8" x 1/4"	ASVPP5LF	34.43
1/2" x 3/8" x 3/8"	ASVPP6LF	36.36



Speedfit® Straight Valve

SIZE	STOCK NO	EACH
1/4" OD	14SFSTV	9.98
3/8" OD	38SFSTV	10.55



Speedfit® Poly Push-In Reducing Coupling

SIZE	STOCK NO	EACH
1" x 3/4"	PEI203628	13.03



Speedfit® Poly Push-In Stem Elbow

SIZE	STOCK NO	EACH
3/4" x 3/4"	PEI222828	7.83



Speedfit® Female Elbow Connector

Hand tighten only for plastic mating threads

SIZE	STOCK NO	EACH
3/4" x 1 1/4"	PSEI63283AEL	29.06

See page 1111 for larger Speedfit sizes

Rusco Sediment Filters (02)

rusco.com

SPIN-DOWN™ Sediment Trapper Filters

- Unique element design traps sediment in lower reservoir of clear cover.
- Clear bowl easily removed for total cleaning (No tools required).
- Flow capacity for entire system.
- Sediment is visible through the clear cover indicating when the filter needs cleaning.
- No down time.
- Centrifuge Spin-Down type sediment separation.
- Reusable polyester and stainless steel filter screen available in many mesh sizes from very fine to very coarse.

MODEL	MESH	STOCK NO	EACH
1" With Valve (1-20 GPM)			
1-100ST	100 Mesh	1100STF	89.75
1½" With Valve (10-50 GPM)			
1½-100ST	100 Mesh	112100STF	112.43

Replacement Screens

STOCK NO	FS1100ST	FS112100ST
Size	1"	1½"
Mesh	100	100
Microns	152	152
Opening	.006"	.006"

STOCK NO	PRICE
FS1100ST	21.36
FS112100ST	51.67

Accessories

SSPGXFIPT

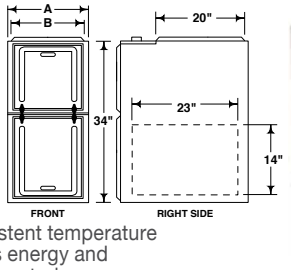
DESCRIPTION	STOCK NO	PRICE
1" Female fitting adapter	1SA	3.95

Ruud High Efficiency Gas Furnaces (25)

ruud.com

U98V *Ultra™* Series

- 98% AFUE ratings
- Input Rates 60 to 115 kBTU
- PlusOne® Diagnostics
- PlusOne® Ignition System
- PlusOne® Water Management System
- Modulating operation provides superior comfort, indoor air quality and consistent temperature
- Variable speed motor saves energy and provides ultimate humidity control





Limited Warranty:

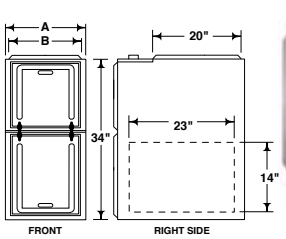
- Conditional Unit Replacement - Limited Lifetime
- Heat Exchanger - Limited Lifetime
- Parts - 10 Years

EcoNet™

1,000 INPUT BTU/HR	HTG. CAP'Y BTU/HR	COOLING CFM @ .5"	AFUE	A	B	STOCK NO	PRICE
56	55,000	1050	98.7	17½	16 17/64	U98VB060M317USA	6272.29
70	69,000	1050	98.3	17½	16 17/64	U98VB070M317USA	6550.05
112	110,000	1750	98.6	24½	23 17/64	U98VB115M524USA	8126.19

U96V *Ultra™* Series

- 4-Way Multi-Poise Design
- 96% AFUE ratings
- Input Rates 40 to 115 kBTU
- Two-Stage Variable Speed ECM Motor saves energy and provides ultimate humidity control, quieter sound levels, and year round energy savings
- PlusOne® Diagnostics
- PlusOne® Ignition System
- PlusOne® Water Management System





Limited Warranty:

- Conditional Unit Replacement - 10 Years
- Heat Exchanger - Limited Lifetime
- Parts - 10 Years

EcoNet™

1,000 INPUT BTU/HR	HTG. CAP'Y BTU/HR	COOLING CFM @ .5"	AFUE	A	B	STOCK NO	PRICE
42	41,000	1050	96.0	17½	16 17/64	U96VA0402317MSA	4840.26
98	95,000	1750	96.0	21	19 45/64	U96VA1002521MSA	6058.16

L.P. Conversion Kits

JD, JE, KD, KG, KM & KN Codes

FOR SERIAL NUMBERS	STOCK NO	EACH
R962V, R96T, U96V Series	FP34	78.25

JR, KA & KU Codes

FOR SERIAL NUMBERS	STOCK NO	EACH
R921T, R921V, R951T, R951V, R92T, R95T Series	FP38	95.13

JZ, KE, KK & KL Codes

FOR SERIAL NUMBERS	STOCK NO	EACH
U97MV, U98MV, U97V, U98VA, U98VB Series	FP37	225.07

L.P. Kit for UGGE, RGFE & RGFG Series

FOR SERIAL NUMBERS	STOCK NO	EACH
UGGE, RGFE, RGFG	FP27	59.95

Zero Clearance Downflow Kit

STOCK NO	EACH
RXGYZK	109.74

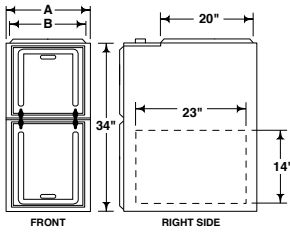
Horizontal left with right vent requires conversion kit RXGY-CK & Zero Clearance kit RXGY-ZK)

Downflow/Horizontal Kit

STOCK NO	EACH
RXGYCK	64.13

R951V Endeavor™ Line Achiever Series

- 4-Way Multi-Poise Design
- 95% AFUE ratings
- Input Rates 40 to 115 kBTU
- PlusOne® Diagnostics
- PlusOne® Ignition System
- PlusOne® Water Management System
- Constant CFM Motor





Limited Warranty:

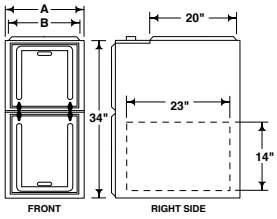
- Conditional Parts - 10 Years
- Heat Exchanger - Limited Lifetime

EcoNet™

1,000 INPUT BTU/HR	HTG. CAP'Y BTU/HR	MAX COOLING CFM	AFUE	A	B	STOCK NO	PRICE
42	39,900	1240	95.0	17½	16 17/64	R951V0403A17M4SCAP	4774.18
56	53,200	1240	95.0	17½	16 17/64	R951V0603A17M4SCAP	4942.53
70	66,500	1240	95.0	17½	16 17/64	R951V0703A17M4SCAP	5182.10
84	79,800	1980	95.0	21	19 49/64	R951V0855A21M4SCAP	5602.91
98	93,100	1980	95.0	21	19 49/64	R951V1005A21M4SCAP	5913.74
112	106,400	1980	95.0	24½	23 17/64	R951V1155A24M4SCAP	6342.60

R96T *Achiever Plus®*

- 4-Way Multi-Poise Design
- 96% AFUE ratings
- Input Rates 40 to 115 kBTU
- Two-Stages Constant Torque Electrically Commutated Motor
- PlusOne® Diagnostics
- PlusOne® Ignition System
- PlusOne® Water Management System





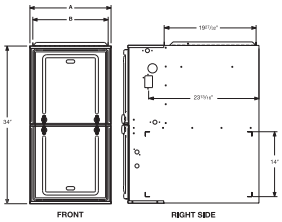
Limited Warranty:

- Conditional Parts - 10 Years
- Heat Exchanger - Limited Lifetime

1,000 INPUT BTU/HR	HTG. CAP'Y BTU/HR	COOLING CFM @ .5"	AFUE	A	B	STOCK NO	PRICE
42	41,000	1102	96.0	17½	16 17/64	R96TA0402317MSA	5376.97
60	55,000	1253	96.0	17½	16 17/64	R96TA0602317MSA	5763.68
70	68,000	1141	96.0	17½	16 17/64	R96TA0702317MSA	5917.35
70	68,000	1750	96.0	21	19 49/64	R96TA0702521MSA	6195.81
85	82,000	1898	96.0	21	19 49/64	R96TA0852521MSA	6474.33
100	95,000	1745	96.0	21	19 49/64	R96TA1002521MSA	6687.97
115	109,000	1765	96.0	24½	23 17/64	R96TA1152524MSA	6988.32

R951T Endeavor™ Line Classic Series

- 4-Way Multi-Poise Design
- 95% AFUE ratings
- Input Rates 40 to 115 kBTU
- Single-Stage Constant Torque Motor
- PlusOne® Diagnostics
- PlusOne® Ignition System
- PlusOne® Water Management System





Limited Warranty:

- Conditional Parts - 10 Years
- Heat Exchanger - Limited Lifetime

1,000 INPUT BTU/HR	HTG. CAP'Y BTU/HR	COOLING CFM @ .5"	AFUE	A	B	STOCK NO	PRICE
42	39,900	1144	95.0	17½	16 17/64	R951T0403A17M4SNAS	4536.41
60	53,200	1331	95.0	17½	16 17/64	R951T0603A17M4SNAS	4704.79
70	66,500	1312	95.0	17½	16 17/64	R951T0703A17M4SNAS	4944.35
85	79,800	1974	95.0	21	19 49/64	R951T0855A21M4SNAS	5365.16
100	93,100	1914	95.0	21	19 49/64	R951T1005A21M4SNAS	5675.97
115	106,400	1799	95.0	24½	23 17/64	R951T1155A24M4SNAS	6104.82

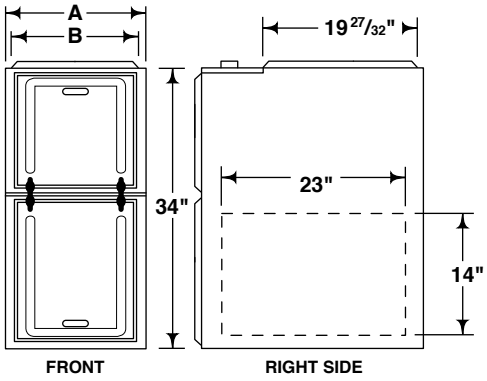
R92T *Achiever Plus®*



- 4-Way Multi-Poise Design
- 92% AFUE ratings
- Input Rates 40 to 115 kBTU
- Constant Torque Electrically Commutated Motor
- PlusOne® Diagnostics
- PlusOne® Ignition System
- PlusOne® Water Management System

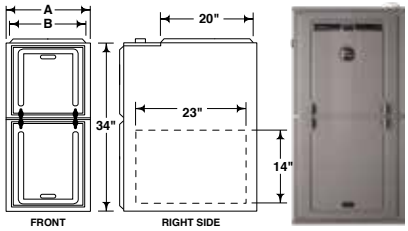
Limited Warranty:
- Conditional Parts - 10 Years
- Heat Exchanger - Limited Lifetime

INPUT BTU/HR	HTG. CAP'Y BTU/HR	COOLING CFM @ .5"	AFUE	STOCK NO	PRICE
84,000	82,000	1833	92.0	R92TA0851521MSA	3778.29
98,000	95,000	1975	92.0	R92TA1001521MSA	3963.77
112,000	108,000	1748	92.0	R92TA1151524MSA	4457.40



Model	A	B
040	17½	16 17/64
060	17½	16 17/64
070	17½	16 17/64
085	21	19 49/64
100	21	19 49/64
115	24½	23 17/64

R95T *Achiever®*

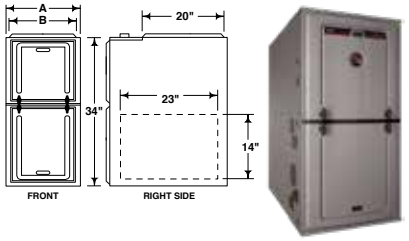


- 4-Way Multi-Poise Design
- 95% AFUE ratings
- Input Rates 40 to 115 kBTU
- PlusOne® Diagnostics
- PlusOne® Ignition System
- PlusOne® Water Management System
- Constant Torque ECM Motor

Limited Warranty:
- Conditional Parts - 10 Years
- Heat Exchanger - Limited Lifetime

1,000 INPUT BTU/HR	HTG. CAP'Y BTU/HR	COOLING CFM @ .5"	AFUE	A	B	STOCK NO	PRICE
42	41,000	1239	95.0	17½	16 17/64	R95TC0401317MSA	3675.92
98	95,000	1975	95.0	21	19 49/64	R95TC1001521MSA	4599.31

U98MV Endeavor™ Line Ultra™ Series



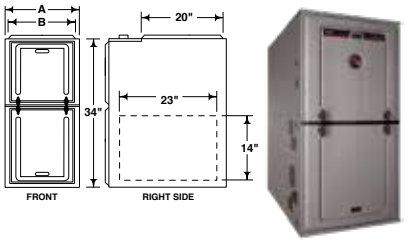
- Upflow Only
- 98% AFUE ratings
- Input Rates 60 to 115 kBTU
- PlusOne® Diagnostics
- PlusOne® Ignition System
- PlusOne® Water Management System
- Modulating Heating Stage
- Constant CFM Motor
- EcoNet® Enabled Furnace

Limited Warranty:
- Conditional Unit Replacement - Limited Lifetime
- Heat Exchanger - Limited Lifetime
- Parts - 10 Years

EcoNet™

1,000 INPUT BTU/HR	HTG. CAP'Y BTU/HR	COOLING CFM @ .5"	AFUE	A	B	STOCK NO	PRICE
56	55,000	1050	98.7	17½	16 17/64	U98MV0603A17UPSGAP	7740.59
70	69,000	1050	98.3	17½	16 17/64	U98MV0703A17UPSGAP	8083.33
84	83,000	1750	98.1	21	19 49/64	U98MV0855A21UPSGAP	8936.22
98	97,000	1750	98.1	21	19 49/64	U98MV1005A21UPSGAP	9374.59
112	110,000	1750	98.6	24½	23 17/64	U98MV1155A24UPSGAP	10028.43

U97MV Endeavor™ Line Ultra™ Series



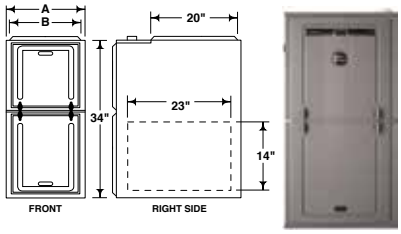
- Downflow/Horizontal
- 97% AFUE ratings
- Input Rates 60 to 115 kBTU
- PlusOne® Diagnostics
- PlusOne® Ignition System
- PlusOne® Water Management System
- Modulating Heating Stage
- Constant CFM Motor
- EcoNet® Enabled Furnace

Limited Warranty:
- Conditional Unit Replacement - Limited Lifetime
- Heat Exchanger - Limited Lifetime
- Parts - 10 Years

EcoNet™

1,000 INPUT BTU/HR	HTG. CAP'Y BTU/HR	COOLING CFM @ .5"	AFUE	A	B	STOCK NO	PRICE
56	55,000	1050	97	17½	16 17/64	U97MV0603A17DHSGAP	7740.59
70	69,000	1050	97	17½	16 17/64	U97MV0703A17DHSGAP	8083.33
84	83,000	1750	97	21	19 49/64	U97MV0855A21DHSGAP	8936.22

R962V Endeavor™ Line Achiever Plus® Series



- 4-Way Multi-Poise Design
- 96% AFUE ratings
- Input Rates 40 to 115 kBTU
- Two-Stage Constant CFM
- EcoNet® Enabled
- PlusOne® Diagnostics
- PlusOne® Ignition System
- PlusOne® Water Management System

Limited Warranty:
- Conditional Unit Replacement and Parts - 10 Years
- Heat Exchanger - Limited Lifetime

EcoNet™

1,000 INPUT BTU/HR	HTG. CAP'Y BTU/HR	COOLING HI CFM	AFUE	A	B	STOCK NO	PRICE
42	41,000	1125	96.0	17½	16 17/64	R962V0403A17M4SCAP	6134.12
60	55,000	1125	96.0	17½	16 17/64	R962V0603A17M4SCAP	6376.56
70	68,000	1125	96.0	17½	16 17/64	R962V0703A17M4SCAP	6581.56
70	68,000	1800	96.0	21	19 49/64	R962V0705A21M4SCAP	6970.59
85	82,000	1800	96.0	21	19 49/64	R962V0855A21M4SCAP	7359.62
100	95,000	1800	96.0	21	19 49/64	R962V1005A21M4SCAP	7677.64
115	109,000	1800	96.0	24½	23 17/64	R962V1155A24M4SCAP	8324.61

(31)
EcoNET® Smart Thermostat



- Built-in wifi
- One-touch energy savings mode
- Real-time local weather
- Works with HVAC and water heaters
- Vacation setting to save while you're away
- EcoNet App to control your thermostat anywhere from your mobile device

4-Wire Configuration

STOCK NO	PRICE
UETST800SYS	354.79

Serves as the master control of the zoning system and must be used as the zone 1 thermostat control (See zone components below)

(31)
EcoNET® Adapter Plate Kit



Oversize wall plate

STOCK NO	PRICE
RETSTWPL700	20.25

(31)
EcoNET® Zone Panel



Main control that communicates between the dampers, zone controls and the HVAC system; one zone panel will serve up to three zones—if more than three zones exist, or an Intelligent Bypass is installed, a second zone panel is required.

For use with EWC dampers (Page 827)

STOCK NO	EACH
REPNL700ZON	516.51

(42)
EcoNET® 800 Zone Controls



Serves as the control / sensor in zones 2-6

STOCK NO	EACH
RECTL800ZON	393.61

(42)
CC2 Translator

For use with UETST600SYS Thermostat

FOR	STOCK NO	EACH
JEC Models	RETRN620CC2	66.49

(42)
Thermistor Supply Air Sensor



STOCK NO	PRICE
472422501	62.69

Outdoor Sensor



STOCK NO	PRICE
RXGYJ02	28.49

(31)
Ruud High Definition Thermostat



Programmable 7, 5/2 LCD Thermostat.
Conventional 2H/2C, Heat Pump 4H/2C.

Comunicting thermostat

STOCK NO	PRICE
UHCTST551CMMS	728.08

(31)
Ruud Touchscreen Thermostat



Programmable 7, 5/1/1 touchscreen Thermostat.
Conventional 1H/2C, Heat Pump 3H/2C

Modulating with humidity control

STOCK NO	PRICE
UHCTST412MDMS	364.10

Accessories for UHCTST412MDMS Stat

DESCRIPTION	STOCK NO	EACH
Indoor Sensor	F1451328	80.04
Outdoor Sensor	F1451378	99.31

90 Plus Pipe Sizing Information (25)

ruud.com

Models: R92T, R951V & R951T

(Air for combustion provided from outdoors)

MAXIMUM EQUIVALENT VENT LENGTH (TABLE IS FOR BOTH DIRECT & NON-DIRECT VENTING)			
Input (BTU/H)	Pipe Size	Maximum Equivalent Length (Feet)	Recommended Maximum Number of Elbow*
42,000	2 inchØ	65	6
	3 inchØ	100	6
56,000	2 inchØ	65	6
	3 inchØ	100	6
70,000	2 inchØ	65	6
	3 inchØ	100	6
84,000	2 inchØ	30	2
	3 inchØ	100	6
98,000	2 inchØ	20	2**
	3 inchØ	100	6
112,000	2 inchØ	20	2**
	3 inchØ	85	6
NOTE: The elbows needed for the vent termination are not counted in these lengths except at altitudes above 6,000 feet. Above 6,000feet alternate horizontal vent termination elbows are to be included in the equivalent vent length.			
• This is the recommended maximum number of long sweep elbows for either 2 or 3 inch pipe. Combinations of long sweep 90s, standard 90s, or 45s may be used, but the manufacturer recommends the use of long sweep 90s whenever possible because the use of the maximum number of standard 90 and 45 elbows only may result in nuisance furnace outages due to individual installation specifics. Exceeding the recommended maximum number of elbows may cause nuisance operation of the pressure switch.			
•• Not applicable for alternate terminations.			

IF INSTALLED AS A DIRECT VENT FORCED AIR FURNACE, THE COMBUSTION AIR SYSTEM DESIGNED FOR THIS FURNACE MUST BE USED!

All combustion air must be supplied directly to the burner through a special air intake system. This system consists of field supplied SCH 40 SDR 26 PVC pipe and one of the following vent termination kits:

DESCRIPTION	STOCK NO	EACH
Vent kit for horizontal through-the-wall (FIG. A)	*RXGYG02*	*62.73*
Concentric vent kit for horizontal through-the-wall and vertical through-the roof venting (FIG. B) 3" Venting	*RXGYE03*	*132.27*
For standard or alternate through-the-wall venting	*RXGYD02*	*280.75*
For standard to alternate through-the-wall venting	*RXGYD03*	*321.02*

All furnace installations must comply with the National Fuel Gas Code and local codes. Read and follow all instructions provided in the manufacturer's installation guide.

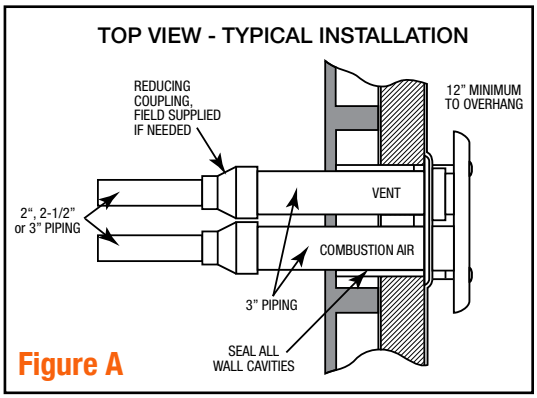


Figure A

Models: U98V, U96V, R96T, R962V, U97MV & U98MV

(Air for combustion provided from indoors)

MAXIMUM EQUIVALENT VENT LENGTH (TABLE IS FOR BOTH DIRECT & NON-DIRECT VENTING)			
Input (BTU/H)	Pipe Size	Maximum Equivalent Length (Feet)	Recommended Maximum Number of Elbow*
42,000	2 inchØ	65	6
	3 inchØ	100	6
56,000	2 inchØ	65	6
	3 inchØ	100	6
70,000	2 inchØ	65	6
	3 inchØ	100	6
84,000	2 inchØ	30	2
	3 inchØ	100	6
98,000	2 inchØ	20	2**
	3 inchØ	100	6
112,000	2 inchØ	20	2**
	3 inchØ	85	6
NOTE: The elbows needed for the vent termination are not counted in these lengths except at altitudes above 6,000 feet. Above 6,000feet alternate horizontal vent termination elbows are to be included in the equivalent vent length.			
• This is the recommended maximum number of long sweep elbows for either 2 or 3 inch pipe. Combinations of long sweep 90s, standard 90s, or 45s may be used, but the manufacturer recommends the use of long sweep 90s whenever possible because the use of the maximum number of standard 90 and 45 elbows only may result in nuisance furnace outages due to individual installation specifics. Exceeding the recommended maximum number of elbows may cause nuisance operation of the pressure switch.			
•• Not applicable for alternate terminations.			

Always provide this furnace and any other fuel burning appliance with enough fresh air for proper combustion and ventilation of the flue gases. Most homes require that outside air be supplied into the furnace area. Failure to do so can cause death from carbon monoxide poisoning.

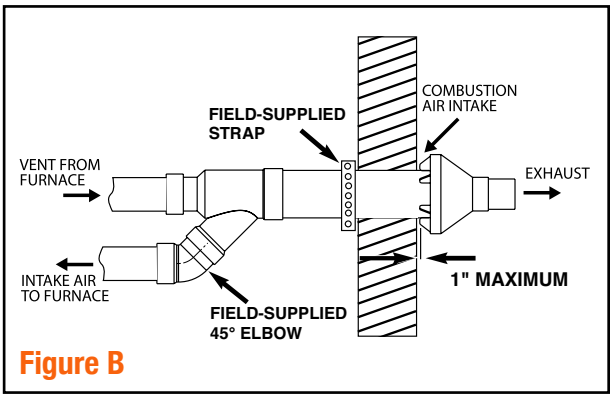


Figure B



Concentric Vent Kits

SIZE	STOCK NO	EACH
2"	*NAHA002CV*	*139.18*
3"	*NAHA001CV*	*173.12*

R801T *Achiever*®



- Upflow/Horizontal Input Rates: 50 - 150 kBTU
- PlusOne® Diagnostics
- PlusOne® Ignition System
- Constant Torque ECM Motor

Limited Warranty:
- Conditional Parts - 10 Years
- Heat Exchanger - 20 Years

R801P 80% AFUE Upflow/Horizontal ONLY • Single-Stage

1,000 INPUT BTU/HR	HTG. CAP'Y BTU/HR	COOLING CFM @ .5"	AFUE	A	B	STOCK NO	PRICE
125	101,000	1934	80.0	24½	23 11/32	R801TA125524MSA	3518.80

R802V UH Endeavor™ Line Achiever Plus Series

EcoNet™



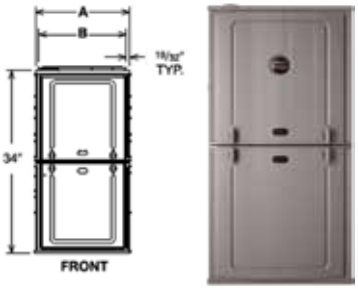
- Upflow/Horizontal Input Rates: 50 - 150 kBTU
- PlusOne® Diagnostics
- EcoNet Enabled
- Constant CFM Motor

Limited Warranty:
- Conditional Parts - 10 Years
- Heat Exchanger - 20 Years

R802P 80% AFUE Upflow/Horizontal Series • 2-Stage

1,000 INPUT BTU/HR	HTG. CAP'Y BTU/HR	MAX COOLING CFM	AFUE	A	B	STOCK NO	PRICE
50	40,000	1240	80.0	14	12 27/32	R802V0503A14UHSCAP	4862.71
75	60,000	1650	80.0	17½	16 11/32	R802V0754A17UHSCAP	5026.08
100	80,000	1980	80.0	21	19 27/32	R802V1005A21UHSCAP	5399.16
125	100,000	1980	80.0	24½	23 11/32	R802V1255A24UHSCAP	5767.19
150	120,000	1980	80.0	24½	23 11/32	R802V1505A24UHSCAP	6405.67

R801V UH Endeavor™ Line Achiever Series



- Upflow/Horizontal Input Rates: 50 - 150 kBTU
- PlusOne® Diagnostics
- PlusOne® Ignition System
- Constant ECM Motor
- EcoNet® Enabled Furnace

Limited Warranty:
- Conditional Parts - 10 Years
- Heat Exchanger - 20 Years

EcoNet™

R801V 80% AFUE Upflow/Horizontal ONLY • Single-Stage

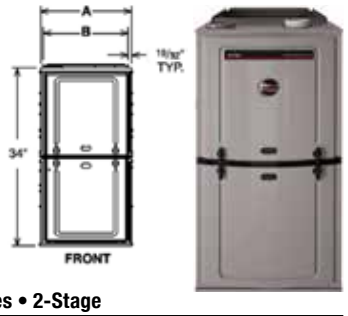
1,000 INPUT BTU/HR	HTG. CAP'Y BTU/HR	MAX COOLING CFM	AFUE	A	B	STOCK NO	PRICE
50	40,000	1240	80.0	14	12 27/32	R801V0503A14UHSCAP	3695.64
75	60,000	1650	80.0	17½	16 11/32	R801V0754A17UHSCAP	3868.64
100	80,000	1980	80.0	21	19 27/32	R801V1005A21UHSCAP	4035.11
125	100,000	1980	80.0	24½	23 11/32	R801V1255A24UHSCAP	4426.87

L.P. Conversion Kits

FOR MODELS	STOCK NO	EACH
R801T & R801V Series	FP15	144.03

EcoNet™

U802V *Ultra*™



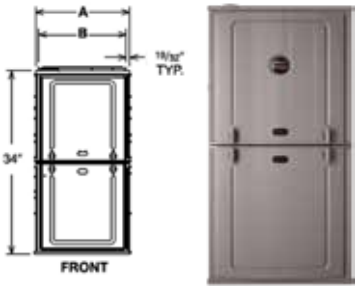
- Upflow/Horizontal Input Rates: 50 - 125 kBTU
- PlusOne® Diagnostics
- PlusOne® Ignition System
- Variable Speed ECM Motor

Limited Warranty:
- Parts - 10 Years
- Heat Exchanger - Limited Lifetime

U802V 80% AFUE Upflow/Horizontal Series • 2-Stage

1,000 INPUT BTU/HR	HTG. CAP'Y BTU/HR	COOLING CFM @ .5"	AFUE	A	B	STOCK NO	PRICE
50	41,000	1200	80.0	17½	16 11/32	U802VA050317MSA	4842.14
75	60,000	1600	80.0	17½	16 11/32	U802VA075317MSA	4991.89
100	80,000	2000	80.0	21	19 27/32	U802VA100521MSA	5725.27

R801V DZ Endeavor™ Line Achiever Series



- Downflow Input Rates: 50 - 100 kBTU
- PlusOne® Diagnostics
- PlusOne® Ignition System
- Constant ECM Motor
- EcoNet® Enabled Furnace

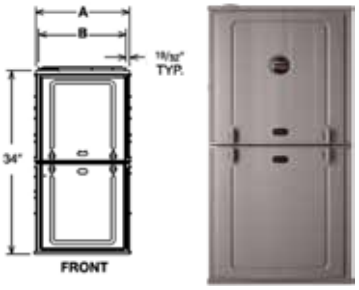
Limited Warranty:
- Conditional Parts - 10 Years
- Heat Exchanger - 20 Years

EcoNet™

R801V 80% AFUE Downflow Series • Single-Stage

1,000 INPUT BTU/HR	HTG. CAP'Y BTU/HR	MAX COOLING CFM	AFUE	A	B	STOCK NO	PRICE
50	40,000	1240	80.0	14	12 27/32	R801V0503A14DZSCAP	3687.16
75	60,000	1650	80.0	17½	16 11/32	R801V0754A17DZSCAP	4360.41
100	80,000	1980	80.0	21	19 27/32	R801V1005A21DZSCAP	4536.47

R801T UH Endeavor™ Line Achiever Series



- Upflow/Horizontal Input Rates: 50 - 125 kBTU
- PlusOne® Diagnostics
- PlusOne® Ignition System
- Constant Torque ECM Motor

Limited Warranty:
- Conditional Parts - 10 Years
- Heat Exchanger - 20 Years

R801T 80% AFUE Upflow Horizontal Series • Single-Stage

1,000 INPUT BTU/HR	HTG. CAP'Y BTU/HR	MAX COOLING CFM	AFUE	A	B	STOCK NO	PRICE
50	40,000	1305	80.0	14	12 27/32	R801T0503A14UHSNAS	3012.54
75	60,000	1402	80.0	17½	16 11/32	R801T0754A17UHSNAS	3195.11
100	80,000	1840	80.0	21	19 27/32	R801T1005A21UHSNAS	3371.03
125	120,000	1934	80.0	24½	23 11/32	R801T1255A24UHSNAS	3784.64

L.P. Conversion Kits

JK, JG, JH, KH & KQ Codes

FOR MODELS	STOCK NO	EACH
U802V Series	FP32	72.47



RA13 SERIES			
Model	H	L	W
1318	27	29¾	29¾
1324	25	29¾	29¾
1330	25	29¾	29¾
1336	27	29¾	29¾
1342	31	29¾	29¾
1348	27	33¾	33¾
1360	31	35¾	35¾

RA13 *Achiever*® Series

- Cooling Efficiencies up to 15.5 SEER / 13 EER
- PlusOne® Expanded Valve Space
- PlusOne® Triple Service Access
- Dependable & Durable Scroll™ Compressor
- Nominal Sizes: 1.5 - 5 Ton

Limited Warranty:

- Conditional Parts - 10 Years

SIZE	STOCK NO	EACH
R-410A • 208/230-1-60 • SINGLE-PHASE		
3.5 ton	*RA1342AJ1NA*	*4473.46*
R-410A • 208/230-3-60 • 3-PHASE		
3 ton	*RA1336AC1NB*	*4685.04*
3.5 ton	*RA1342AC1NB*	*5024.00*



RA16 SERIES			
Model	H	L	W
1624	27	33¾	33¾
1630	27	35¾	35¾
1642	39	35¾	35¾
1648	45	35¾	35¾

RA16 *Achiever*® Series

- Cooling Efficiencies up to 16 SEER / 13 EER
- PlusOne® Expanded Valve Space
- PlusOne® Triple Service Access
- Dependable & Durable Scroll™ Compressor
- Nominal Sizes: 1.5 - 5 Ton

Limited Warranty:

- Conditional Parts - 10 Years

SIZE	STOCK NO	EACH
R-410A • 208/230-1-60 • SINGLE-PHASE		
2.5 ton	*RA1630AJ1NB*	*4778.15*



RA13NY SERIES			
Model	H	L	W
RA13NY18	25	29¾	29¾
RA13NY24	25	29¾	29¾
RA13NY30	25	33¾	33¾
RA13NY36	25	33¾	33¾
RA13NY42	27	33¾	33¾
RA13NY48	39	35¾	35¾
RA13NY60	45	35¾	35¾

RA13NY Endeavor™ Line Achiever® Series

NEW ITEM

- Cooling Efficiencies up to 13.4 SEER2 / 9 EER2
- PlusOne® Expanded Valve Space
- PlusOne® Triple Service Access
- PlusOne® Refrigerant Detection System
- Single-Stage Compressor
- Cooling Capacities 17.1 to 55.5 kBTU
- Nominal Sizes: 1.5 - 5 Ton

Limited Warranty:

Conditional Parts (Registration Required) - 10 Years

SIZE	STOCK NO	EACH
R-454B • 208-230/60 • 3-PHASE		
3 ton	*RA13NY36AC1NA*	*6753.23*
3.5 ton	*RA13NY48AC1NA*	*8151.87*
5 ton	*RA13NY60AC1NA*	*9672.32*



RA15AZ SERIES			
Model	H	L	W
RA15AZ24	27	29¾	29¾
RA15AZ36	27	33¾	33¾
RA15AZ48	31	33¾	33¾
RA15AZ60	31	33¾	33¾

EcoNet™

RA15AZ Endeavor™ Line Achiever® Plus Series

- Cooling Efficiencies up to 15.2 SEER2 / 9.8 EER2
- PlusOne® Expanded Valve Space
- PlusOne® Triple Service Access
- PlusOne® Variable Speed Twin Rotary Compressor & Inverter Drive
- Cooling Capacities 22.8 to 56 kBTU
- Nominal Sizes: 2 - 5 Ton

Limited Warranty:

- Conditional Parts - 10 Years

SIZE	STOCK NO	EACH
R-410A • 208-230/60 • SINGLE-PHASE		
2 ton	*RA15AZ24AJ3CA*	*5160.89*
3 ton	*RA15AZ36AJ3CA*	*6880.96*
4 ton	*RA15AZ48AJ3CA*	*8459.59*
5 ton	*RA15AZ60AJ3CA*	*9771.08*

RA Series Control Package

Remote Condensing Units & Heat Pumps

1.5-5.0 Ton R-410A

DESCRIPTION	STOCK NO	EACH
Low Pressure	*RXACA07*	*235.78*
High Pressure	*RXABA07*	*235.78*



RA14AZ SERIES			
Model	H	L	W
RA14AZ18	25	29¾	29¾
RA14AZ24	25	33¾	33¾
RA14AZ30	27	33¾	33¾
RA14AZ36	31	33¾	33¾
RA14AZ42	35	33¾	33¾
RA14AZ48	35	33¾	33¾
RA14AZ60	51	35¾	35¾

RA14AZ Endeavor™ Line Achiever® Series

- Cooling Efficiencies up to 13.8/14.3 SEER2
- PlusOne® Expanded Valve Space
- PlusOne® Triple Service Access
- Single-Stage Compressor
- Cooling Capacities 17.1 to 55.5 kBTU
- Nominal Sizes: 1.5 - 5 Ton

Limited Warranty:

- Conditional Parts - 10 Years

SIZE	STOCK NO	EACH
R-410A • 208-230/60 • SINGLE-PHASE		
2 ton	*RA14AZ24AJ1NA*	*4440.30*
2.5 ton	*RA14AZ30AJ1NA*	*5175.28*
3 ton	*RA14AZ36AJ1NA*	*5896.34*
3.5 ton	*RA14AZ42AJ1NA*	*6393.60*
4 ton	*RA14AZ48AJ1NA*	*7292.30*
5 ton	*RA14AZ60AJ1NA*	*8547.48*



UA18AZ SERIES			
Model	H	L	W
UA18AZ24	39	33¾	33¾
UA18AZ36	39	33¾	33¾
UA18AZ48	51	33¾	33¾

EcoNet™

UA18AZ Endeavor™ Line Ultra® Series

- Cooling Efficiencies up to 18 SEER2 / 10.5 EER2
- PlusOne® Expanded Valve Space
- PlusOne® Triple Service Access
- Inverter Driven, Variable Speed Compressor
- Cooling Capacities 22.8 to 56 kBTU
- Nominal Sizes: 2 - 4 Ton

Limited Warranty:

- Conditional Unit Replacement - 10 Years
- Parts - 10 Years

SIZE	STOCK NO	EACH
R-410A • 208-230/60 • SINGLE-PHASE		
2 ton	*UA18AZ24AJVCA*	*12252.90*
3 ton	*UA18AZ36AJVCA*	*12581.55*
4 ton	*UA18AZ48AJVCA*	*14933.66*



RA13NZ SERIES			
Model	H	L	W
RA13NZ18	25	29¾	29¾
RA13NZ24	25	33¾	33¾
RA13NZ30	25	33¾	33¾
RA13NZ36	25	33¾	33¾
RA13NZ42	27	33¾	33¾
RA13NZ48	39	33¾	35¾
RA13NZ60	45	35¾	35¾

RA13NZ Endeavor™ Line Achiever® Series

- Cooling Efficiencies up to 13.4 SEER2 / 9 EER2
- PlusOne® Expanded Valve Space
- PlusOne® Triple Service Access
- Single-Stage Compressor
- Cooling Capacities 17.1 to 55.5 kBTU
- Nominal Sizes: 1.5 - 5 Ton

Limited Warranty:

- Conditional Parts - 10 Years

SIZE	STOCK NO	EACH
R-410A • 208-230/60 • SINGLE-PHASE		
1.5 ton	*RA13NZ18AJ1NA*	*3671.14*
2 ton	*RA13NZ24AJ1NA*	*3926.56*
2.5 ton	*RA13NZ30AJ1NA*	*4398.58*
3 ton	*RA13NZ36AJ1NA*	*5294.21*
3.5 ton	*RA13NZ42AJ1NA*	*5731.63*
4 ton	*RA13NZ48AJ1NA*	*6540.52*
5 ton	*RA13NZ60AJ1NA*	*7884.03*

Evaporator Coils and Linesets

aspenmfg.com

Ruud Indoor Coils (25)



Ruud Cased Coils • R410A

For Ruud R-410A Units

SIZE	STOCK NO	EACH
STANDARD Efficiency		
2 ton, 14"	RCFZ2414STAAMC	1284.97
2 ton, 17"	RCFZ2417STANMC	1370.20
2 ton, 17"	RCFZ2517STANMC	1404.43
3 ton, 17"	RCFZ3617STANMC	1476.63
3 ton, 17"	RCFZ3717STANMC	1513.58
3 ton, 21"	RCFZ3621STANMC	1556.37
4 ton, 21"	RCFZ4821STANMC	1908.72
4 ton, 21"	RCFZ4821STAAMC	2290.55
4 ton, 21"	RCFZ4921STANMC	1956.45
4 ton, 24"	RCFZ4824STANMC	2121.70
5 ton, 21"	RCFZ6021STAAMC	2408.06
5 ton, 24"	RCFZ6024STANMC	2600.45
5 ton, 24"	RCFZ6124STANMC	2665.48
MEDIUM Efficiency		
2 ton, 17"	RCFZ2417MTANMC	1562.85
2 ton, 21"	RCFZ2421MTANMC	1596.17
3 ton, 21"	RCFZ3621MTANMC	1855.64
3 ton, 24"	RCFZ3624MTANMC	2041.75
4 ton, 24"	RCFZ4824MTANMC	2671.77
HIGH Efficiency		
5 ton, 24"	RCF6024HTAMCA	2684.93
HIGH Efficiency with Electronic Expansion Valve		
2 ton, 17"	RCFZ2417SEANMC	1670.88
2 ton, 21"	RCFZ2421MEANMC	1880.98
2 ton, 21"	RCFZ2421HEAAMC	2351.11
3 ton, 21"	RCFZ3621MEANMC	2108.17
5 ton, 21"	RCFZ6021SEAAMC	2323.03
ULTRA Efficiency with Electronic Expansion Valve		
2 ton, 21"	RCF2421UEAMCA	1633.01

Expansion Valve TXV Kits

For use with RCF Coils to RA13NZ & RA14AZ Series.

SIZE	STOCK NUMBER	EACH
2 TON	RXHQC24N	164.15
3 TON	RXHQC36N	164.15
4 TON	RXHQC48N	134.85
5 TON	RXHQC60N	134.85

Ruud Coil Adapter

For cased coils to be installed on next size smaller gas furnace

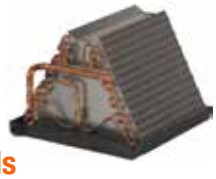
STOCK NUMBER	EACH
RXBAAC	130.98

Ruud Jumper Bar

DESCRIPTION	STOCK NO	EACH
3CKT - 1CKT	RXBJA31	61.14

Aspen Uncased Evaporator Coils (25a)

Designed for upflow and downflow applications.
Standard refrigerant connections:
3/8" ODS liquid line, 7/8" ODS suction line.
One 3/4" MPT condensate drain.



R-410A • "A" Coils

STOCK NO	W X D X H IN INCHES	EACH
CA24A24130LR410	13"x19 3/8"x13 1/2"	834.89
CA24D44160LR410	16"x19 3/8"x19 1/2"	1232.21
CA30A24160LR410	16"x19 3/8"x15 1/2"	876.62
CA30B44130LR410	13"x19 3/8"x17 1/2"	1206.40
CA30B44160LR410	16"x19 3/8"x17 1/2"	1206.40
CA30D44160LR410	16"x19 3/8"x21 1/2"	1344.13
CA36A24160LR410	16"x19 3/8"x17 1/2"	935.02
CA36B34160LR410	16"x19 3/8"x19 1/2"	1143.73
CA36D44160LR410	16"x19 3/8"x23 1/2"	1372.72
CA36A24195LR410	19 1/2"x19 3/8"x17 1/2"	899.07
CA42D44195LR410	19 1/2"x19 3/8"x25 1/2"	1490.22
CA48A24195LR410	19 1/2"x19 3/8"x21 1/2"	963.28
CA48B34195LR410	19 1/2"x19 3/8"x23 1/2"	1200.12
CA48D44195LR410	19 1/2"x19 3/8"x27 1/2"	1565.33
CA60D34230R410	23"x21"x26 1/2"	1465.18
CA60E44240LR410	24"x21"x26 1/2"	1774.09

Aspen Expansion Valves

Fits above Aspen coils not already equipped with an expansion valve.

SIZE	STOCK NO	EACH
FOR USE WITH R-22 COILS		
1.5 to 3.0 ton	4190	240.30
3.5 to 5.0 ton	4195	240.30
FOR USE WITH R-410A COILS		
1.5 to 2.0 ton	4200	204.85
2.5 to 3.5 ton	4201	204.85
4.0 to 5.0 ton	4202	204.85

Aspen Downflow Kits

Call for application use of metal vs. plastic.

SIZE	STOCK NO	EACH
Metal drain pans	DWNFLWM16	24.73
Plastic drian pans	DWNFLWP	12.37

See pages 647-650 for ALL Miscellaneous Air Conditioning Accessories

Insulated Line Sets (25a)



UV Abrasion and weather resistant polymeric jacket

SIZE	STOCK NO	EACH
3/4" x 3/8" UV Insulated Linesets		
3/4 x 3/8 x 25'	3438X2512STD	301.40
3/4 x 3/8 x 35'	3438x3512STD	405.36
3/4 x 3/8 x 50'	3438x5012STD	545.64
7/8" x 3/8" UV Insulated Linesets		
7/8 x 3/8 x 25'	7838X2512STD	390.87
7/8 x 3/8 x 35'	7838X3512STD	525.65
7/8 x 3/8 x 50'	7838X5012STD	707.63
1-1/8" x 3/8" Standard Black Insulated Linesets		
1 1/8 x 3/8 x 25'	11838X2512	555.49
1 1/8 x 3/8 x 35'	11838X3512	875.11
1 1/8 x 3/8 x 50'	11838X5012	964.83
3/4" x 3/8" Black 3/4" UV Insulated Linesets Sioux Falls Approved		
3/4" x 3/8" x 35'	3438X3534STD	476.21
3/4" x 3/8" x 50'	3438X5034STD	626.04
7/8" x 3/8" x 35'	7838X3534STD	575.29
7/8" x 3/8" x 50'	7838X5034STD	773.29

Double Insulated

Omaha Approved Duraguard UV™ Insulated Linesets

SIZE	STOCK NO	EACH
3/8 x 3/4 x 35'	3438X3534BL	542.63
3/8 x 7/8 x 35'	7838X3534BL	655.82
3/8 x 3/4 x 50'	3438X5034BL	727.95
3/8 x 7/8 x 50'	7838X5034BL	888.10

Adhesives

See page 828 for SPVC Line Set Tape

No 520 Armaflex

DESCRIPTION	STOCK NO	EACH
Pint	PTRUAD	33.23
Quart	QTRUAD	49.83

Clamps



(29)

Thermo-Snap Clamp

Pre-mounted brackets designed for pipe mounting jobs. *(Bag of 5)*

SIZE	STOCK NO	EACH
2"	TSC2	11.34

Ruud Heat Pumps (25)

ruud.com

RP15AZ Endeavor™ Line Achiever Plus® Series



- Cooling Efficiencies up to 16 SEER2 / 11.7 EER2
- Heating Efficiencies up to 8.1 HSPF2
- PlusOne® Expanded Valve Space
- PlusOne® Triple Service Access
- Two-Stage Scroll Compressor
- Nominal Sizes: 1.5 - 5 Ton

Limited Warranty:

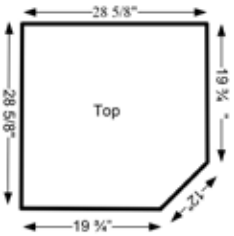
- Conditional Parts - 10 Years

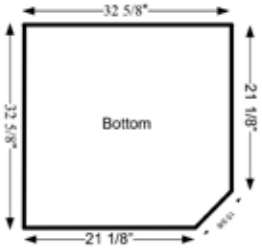
RP15AZ Series • R-410A Heat Pumps

DESCRIPTION	STOCK NO	EACH
1.5 ton	RP15AZ18AJ2NA	6238.85
2.0 ton	RP15AZ24AJ2NA	6855.19
3.0 ton	RP15AZ36AJ2NA	8757.19
3.5 ton	RP15AZ42AJ2NA	9207.32
4.0 ton	RP15AZ48AJ2NA	10132.21

RP15AZ SERIES

Model	H	L	W
15AZ18	25	29¾	29¾
15AZ24	25	29¾	29¾
15AZ30	35	33¾	33¾
15AZ36	39	33¾	33¾
15AZ42	39	33¾	33¾
15AZ48	39	33¾	33¾
15AZ60	51	35¾	35¾







(27)

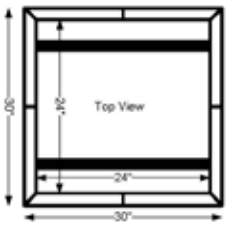
Lennox Large Heat Pump Stand

Powder Coated, Holds up to 2,000lbs.
Pad not included. For Ruud 4 and 5 ton units.

STOCK NUMBER	EACH
HEPUST45	274.73

(39)

Universal Reversible Heat Pump Stand



- Reversible adjustable brackets
- Powder coated
- Durable
- 10" Height

STOCK NUMBER	EACH
UNV2430	259.20

(27)

12" Dual Fan Mini-Split Stand



- Supports up to 400lbs
- Powder coated 14-Gauge Steel
- Rubber Pads on each foot
- For use with RD17AZ Models

STOCK NUMBER	EACH
QSMS1202	540.24

UP16AZ Endeavor™ Line Achiever® Plus Series

EcoNet™



- Cooling Efficiencies up to 16 SEER 2
- Heating Efficiencies up to 8.1 HSPF2
- PlusOne® Expanded Valve Space
- PlusOne® Triple Service Access
- Inverter Driven, Variable Speed Compressor
- Nominal Sizes: 2 to 5 Tons

Limited Warranty:

- Conditional Unit Replacement - 10 Years
- Parts - 10 Years

UP17 Series • R-410A Heat Pumps

DESCRIPTION	STOCK NO	EACH
2.0 ton	UP16AZ24AJ3CA	10754.14
3.0 ton	UP16AZ36AJ3CA	12669.93
4.0 ton	UP16AZ48AJ3CA	14198.84
5.0 ton	UP16AZ60AJ3CA	15217.28

UP16AZ SERIES

Model	H	L	W
UP16AZ24	27	29¾	29¾
UP16AZ36	35	33¾	33¾
UP16AZ48	35	35¾	33¾
UP16AZ60	45	35¾	35¾

RD17AZ Endeavor™ Line Achiever Plus® Series



- Cooling Efficiencies up to: 19 SEER2/ 12 EER2
- Heating Efficiencies up to: 8.5 HSPF2
- Nominal Sizes: 2 to 5 Ton
- Cooling Capacities: 22.8 to 53.0 kBTU

Limited Warranty:

- Conditional Parts - 10 Years

RD17AZ Series • R-410A Heat Pumps

DESCRIPTION	STOCK NO	EACH
2.0 ton	RD17AZ24AJ3NA	5816.07
3.0 ton	RD17AZ36AJ3NA	6122.18
4.0 ton	RD17AZ48AJ3NA	7230.03
5.0 ton	RD17AZ60AJ3NA	7610.56

RD17AZ SERIES

Tons	H	L	W
2	36.61	40.16	16.38
3	46.38	42.01	19.29
4	57.80	40.16	16.38
5	57.80	40.16	16.38

RD17AZ Accessories

DESCRIPTION	STOCK NO	EACH
Crankcase Heater	4410366315	96.90
Heater Kit, Base Panel for 2, 4 & 5 ton RD17AZ	4410995701	277.37
Heater Kit, Base Panel for 3 ton RD17AZ	4410995801	280.84

HEAT STAND DIMENSIONS	CAPACITY	FITS PAD SIZE	STOCK NO	EACH
23" x 35" x 10" H	500lb	30" x 40"	MIN2335	270.00

UP17 *Achiever Plus®* Series

EcoNet™



- Cooling Efficiencies up to 18.5 SEER / 13 EER
- Heating Efficiencies up to 8.5 HSPF
- PlusOne® Expanded Valve Space
- PlusOne® Triple Service Access
- Inverter-driven Scroll™ Compressor
- Nominal Sizes: 2, 3, 4 & 5 Ton

Limited Warranty:

- Conditional Unit Replacement - 10 Years
- Parts - 10 Years

UP17 Series • R-410A Heat Pumps

DESCRIPTION	STOCK NO	EACH
2.0 ton	UP1724AJVCA	10186.75
3.0 ton	UP1736AJVCA	12001.45
5.0 ton	UP1760AJVCA	14414.37

UP17 SERIES

Model	H	L	W
1724	35	33¾	33¾
1736	35	33¾	33¾
1760	45	35¾	35¾

UP20 *Ultra™* Series

EcoNet™



- Cooling Efficiencies up to 20 SEER / 14 EER
- Heating Efficiencies up to 11.5 HSPF
- PlusOne® Expanded Valve Space
- PlusOne® Triple Service Access
- Inverter-driven Scroll™ Compressor
- Nominal Sizes: 2, 3, 4 & 5 Ton

Limited Warranty:

- Conditional Unit Replacement - 10 Years
- Parts - 10 Years

UP20 Series • R-410A Heat Pumps

DESCRIPTION	STOCK NO	EACH
2.0 ton	UP2024BJVCA	12477.01
4.0 ton	UP2048BJVCA	14960.34

UP17 SERIES

Model	H	L	W
2024	35	35¾	35¾
2048	51	35¾	35¾

UP18AZ Endeavor™ Line Ultra® Series

EcoNet™



- Cooling Efficiencies up to 18 SEER 2
- Heating Efficiencies up to 8.5 HSPF2
- PlusOne® Expanded Valve Space
- PlusOne® Triple Service Access
- Inverter Driven, Variable Speed Compressor
- Nominal Sizes: 2 to 5 Tons

Limited Warranty:

- Conditional Unit Replacement - 10 Years
- Parts - 10 Years

UP17 Series • R-410A Heat Pumps

DESCRIPTION	STOCK NO	EACH
2.0 ton	UP18AZ24AJVCA	13171.99
3.0 ton	UP18AZ36AJVCA	14337.19
4.0 ton	UP18AZ48AJVCA	15793.64
5.0 ton	UP18AZ60AJVCA	17405.93

UP18AZ SERIES

Model	H	L	W
UP18AZ24	45.17	36.13	36.13
UP18AZ36	51.17	36.13	36.13
UP18AZ48	51.17	36.13	36.13
UP18AZ60	51.17	36.13	36.13

Ruud Heat Recovery Ventilators (42)

Ruud Air Handlers (25)

ruud.com

Heat Recovery Ventillators



HRVs are growing in popularity as an indoor air quality solution to health issues and winter condensation problems. They present the most cost effective solution to meeting tougher new construction housing codes in northern US and Canada.
Centrifugal blowers remove stale indoor air; the patented set of exchange cores capture and transfer heat , so that the temperature of the indoor air is maintained. Hanging Chains and drain tube included.

6" Port • ½" Drain • 120V, 60 Hz

HP	RECOVERY EFFICIENCY	STOCK NO	EACH
1/7	60-70%	HRV190	1807.43

HRV190 Defrost Cycle Table

Outdoor Temperature Fahrenheit (°F)	Defrost Cycles (Minutes)		Extended Defrost Cycles	
	Defrosting	Time between Cycles	Defrosting	Time between Cycles
23°	6	50	10	30
5°	6	25	10	20
-17°	10	20	10	15

Wall Control for 150 & 190 HRV's

DESCRIPTION	STOCK NO	EACH
Wall control	40380	123.98

(42)

02418
Ruud Drain Connection

For HRV 100/200

STOCK NO	EACH
02418	8.38

(42)

12895
Ruud Thermistor Kit

For HRV 100/200

STOCK NO	EACH
12895	345.79

RH3VZ Endeavor™ Line Air Handlers



- Constant CFM Motor, 3-Stage Airflow
- Efficiencies: Up to 16 SEER2
- PlusOne® Diagnostics
- Aluminum Indoor Coil Design
- Versatile 4-Way Convertible Compact Design
- Thermal Expansion Valve (TXV)
- New Ruud Air Handler Control Board
  - Introduces Bluetooth® connectivity
  - Maintains EcoNet® diagnostics

Limited Warranty:
Conditional Parts - 10 Years

REFRIG.	CABINET SIZE	CABINET HEIGHT	CFM MIN/MAX	NOM CAPACITY	STOCK NO	EACH
1 Phase, 208-240/60						
R-410A	17.5	42.5	340/750	24,000	RH3VZ2417STACNJ	5069.60
R-410A	17.5	42.5	500/1125	30,000	RH3VZ3617STACNJ	5379.16

RH2VY Endeavor™ Line Air Handlers

NEW ITEM



- Constant CFM Motor, 2-Stage Airflow
- Efficiencies: 13.4 to 14.3 SEER2
- PlusOne® Diagnostics
- Aluminum Indoor Coil Design
- Versatile 4-Way Convertible Compact Design
- Thermal Expansion Valve (TXV)
- Dip Switch Free Installation Commissioning via Bluetooth® Technology

Limited Warranty:
Conditional Parts (Registration Required) - 10 Years

REFRIG.	CABINET SIZE	CABINET HEIGHT	CFM MIN/MAX	NOM CAPACITY	STOCK NO	EACH
1 Phase, 208-240/60						
R-454B	17.5	42.5	580/767	24,000	RH2VY2417STACNJ	5941.06
R-454B	17.5	42.5	727/1069	30,000	RH2VY3617STACNJ	6061.56
R-454B	21	50.5	1024/1478	48,000	RH2VY4821STACNJ	7210.58
R-454B	24.5	55.5	1140/1857	60,000	RH2VY6024STACNJ	8704.41

RH2TZ Endeavor™ Line Air Handlers



- Constant Torque Two-Stage Airflow
- Aluminum Indoor Coil Design
- Efficiencies: 13.4 to 14.3 SEER2
- Versatile 4-Way Convertible Compact Design

Limited Warranty:
Conditional Parts - 10 Years

REFRIG.	CABINET SIZE	CABINET HEIGHT	REFRIGERANT CONN. SWT. (LIQUID - VAPOR)	NOM CAPACITY	STOCK NO	EACH
1 Phase, 115/60						
R-410A	17.5	42.5	3/8" - 3/4"	24,000	RH2TZ2417STANNA	3485.54
1 Phase, 208-240/60						
R-410A	17.5	42.5	3/8" - 3/4"	24,000	RH2TZ2417STANNJ	3485.54
R-410A	17.5	42.5	3/8" - 3/4"	36,000	RH2TZ3617STANNJ	3806.80
R-410A	21	50.5	3/8" - 7/8"	48,000	RH2TZ4821STANNJ	4624.02
R-410A	24.5	55.5	3/8" - 7/8"	48,000	RH2TZ4824STANNJ	4707.92
R-410A	24.5	55.5	3/8" - 7/8"	60,000	RH2TZ6024STANNJ	5156.30

Electric Heater Kits for Ruud Air Handlers

208/230/1

SIZE	CABINET SIZE	STOCK NO	EACH
10kW	17"	RXBH1724A10J	321.29
15kW	17"	RXBH1724A15J	479.25
18kW	17"	RXBH1724A18J	500.36
20kW	21-24"	RXBH24A20J	569.43

Adapter

Old Air Handler Board to New Heater Kit

STOCK NO	EACH
4510622904	11.27



(24)

Electric Heater Strip

208/230/1

SIZE	CABINET SIZE	STOCK NO	EACH
13kW	17"	RXBH1724A13JBR	507.69

(24)

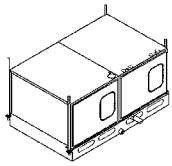
Willow Hot Water Coils

CFM	STOCK NO	EACH
800-1200	WSD16X16	579.17
1000-2100	WSD20X19	758.89
1600-2400	WSD22X22	911.35



Accessories

DESCRIPTION	STOCK NO	EACH
1.5-3 ton Aux. Dr.	RXBMAC48	478.78



EcoNet™

RH2T Series Heat Pump Air Handlers



- Constant Torque Two Stage Airflow
- Aluminum Coil
- Electronic Expansion Valve (EEV) or Thermostatic Expansion Valve (TXV)

Limited Warranty:
Conditional Parts - 10 Years

Efficiencies up to 20 SEER • R-410A • 208/240/1/60

REFRIG.	CABINET SIZE	CABINET HEIGHT	CFM LOW/HIGH	NOM CAPACITY	STOCK NO	EACH
R-410A	17.5	42.5	600/800	24,000	RH2T2417SEACJA	4272.07
R-410A	21	57	1400/1600	48,000	RH2T4821MEACJA	5637.34



RGEC Series

14 SEER • 208-230V/60Hz • Scroll Compressors

TON	STOCK NO	EACH
1-Phase • 2 Stage Stainless • Tier 3 Achiever Series		
3	*RGECZR036AJT10BACAA0*	*15600.51*
4	*RGECZR048AJT12BACAA0*	*15970.85*
5	*RGECZR060AJT12BACAA0*	*17541.27*

Single-Phase • Electric Ignition					
TON SIZE	AFUE %	HEATING CAP'Y	HTG Output BTU/HR	COOLING CAP'Y	NOMINAL CFM
3	81.0	100,000	81,000	36,000	1200
4	81.0	125,000	NA	49,000	1600
5	81.0	125,000	NA	59,500	2000

14 SEER • 208-230V/60Hz • Scroll Compressors

TON	STOCK NO	EACH
3-Phase • 2 Stage Stainless • Tier 3 Achiever Series		
3	*RGECZR036ACT10BACAA0*	*14643.84*
4	*RGECZR048ACT12BACAA0*	*15562.23*
5	*RGECZR060ACT12BACAA0*	*16494.95*
3-Phase • 2 Stage Stainless • Tier 1 Ultra Series		
6	*RGECZT072ACT12BACAA0*	*19237.15*

Three-Phase • Electric Ignition					
TON SIZE	AFUE %	HIGH INPUT BTU/HR	HTG Output BTU/HR	COOLING CAP'Y	NOMINAL CFM
3	81.0	100,000	81,000	36,000	1200
4	81.0	120,000	97,200	49,000	1600
5	81.0	120,000	97,200	59,500	2000
6	81.0	120,000	97,200	70,000	2400

RGECZR Accessories

Roof Curb

SIZE	STOCK NO	EACH
For 3-5 ton RGECZR Series		
14"	*RXKGDCC14*	*785.86*
24"	*RXKGDCC24*	*1340.42*

Economizer

For RKNN Series

FOR	STOCK NO	EACH
3-5 Ton	*AXRD01RECAM3*	*1593.54*

Curb Adapter

For 3-5 Ton RKNN Series

STOCK NO	EACH
Carrier to Ruud	
RXRXEACC35	*2562.96*

Hail Guard

FOR	STOCK NO	EACH
3.5 Ton UKNL,		
4 & 5 Ton RKPN	*AXRXAAD01B*	*478.59*
RGECZR Series	*RXRXADD04C*	*419.13*

Economizer

For RGECZR Series

FOR	STOCK NO	EACH
Downflow	*RXRD11MCDAM3*	*2768.16*
Horizontal	*RXRD11MCHAM3*	*3043.29*



RGEDZS *Achiever Plus*® Series Gas Heating Electric Cooling

R-410A Commercial Rooftop Units

- Optional VFD and HumidiDry Technology™
- Two stage cooling
- PlusOne® Diagnostics with Dual 7-Segment LED Display
- PlusOne® ServiceSmart package

RGEDZS SERIES			
Model	H	L	W
090	50½	60	89½
120	50½	60	89½
150	60½	60	89½

NOMINAL TONS	HEATING INPUT BTU	HEATING OUTPUT BTU	IEER	NOMINAL CFM/AHRI	GROSS COOLING CAPACITY BTU	STOCK NO	EACH
Two Stage Stainless Compressor • 208-230 Volt, 3 Phase							
7.5	205,000	166,050	14.6	3000/3175	88,000	RGEDZT090ACG20BAAAA0	26979.30
10	225,000	182,250	14.6	4000/3480	118,000	RGEDZT120ACG22BAAAA0	32174.33
12.5	225,000	182,250	14	5000/3750	148,000	RGEDZT150ACG22BAAAA0	35818.19

Accessories

14" Roof Curbs

FOR	STOCK NO	EACH
RGEDZS Series	RXKGDDD14	847.03
RKKN 6.0 Ton	RXKGCAD14	551.61
RKKL 7.5 & 12.5 Ton	RXKGCAE14	628.22

24" Roof Curbs

FOR	STOCK NO	EACH
RGEDZS Series	RXKGDDD24	1781.42

Economizers

For RGEDZS Series

FOR	STOCK NO	EACH
Downflow	RXRD11MDDAM3	3191.71
Horizontal	RXRD11MDHAM3	3222.26

(42)

Roof Top Accessories

DESCRIPTION	STOCK NO	EACH
Smoke Detector	SM501P	329.95

Low Ambient Kit

FOR	STOCK NO	EACH
RKKL 6 Ton	RXRZA04	327.47

Louver Kits

FOR	STOCK NO	EACH
RGEDZS 7.5-10 Ton	RXRXADD04A	419.13
RGEDZS 12.5 Ton	RXRXADD04B	419.13

W92T Series
Multi Position Gas Furnace



- 92% residential gas furnace CSA certified
- 4 way multi-poise design
- 7-Segment LED all units
- Direct Spark Ignition
- Water Management System
- Heat exchanger is removable for improved serviceability. Aluminized steel/Stainless steel construction provide maximum corrosion resistance and thermal fatigue reliability.
- Low profile “34 inch” cabinet
- Blower shelf design
- Pre marked hoses
- Vent with 2" or 3" PVC
- Replaceable Collector box
- Hemmed edges on cabinet and doors
- Quarter turn fasteners for tool less access
- Integrated control boards feature dip switches
- Self priming condensate trap

W92T Series Constant Torque ECM Motor

INPUT BTU/HR	HTG. CAP'Y BTU/HR	COOLING CFM @ .5"	WIDTH	STOCK NO	PRICE
42,000	39,060	1121	17½	W92TA0401317MSA	2596.58
70,000	68,000	1198	17½	W92TA0701317MSA	2901.33
84,000	78,120	1742	21	W92TA0851521MSA	3139.80
98,000	91,140	1782	21	W92TA1001521MSA	3271.56
112,000	104,160	1934	24½	W92TA1151524MSA	3572.55

W921W Versus Line
Multi Position Gas Furnace



- ENERGY STAR® certified, 92% AFUE
- 4 way multi-poise design
- 7-Segment LED all units
- Proven Direct Spark Ignition
- Water Management System
- Vent with 2" or 3" PVC
- Low profile “34 inch” cabinet

W921W Single-Stage Constant Torque ECM Motor

INPUT BTU/HR	HTG. CAP'Y BTU/HR	BLOWER (D X W)	WIDTH	STOCK NO	PRICE
42,000	39,900	11 x 7	17½	W921T0403A17M4SNAS	2674.47
56,000	53,200	11 x 8	17½	W921T0603A17M4SNAS	2899.48
70,000	66,500	11 x 8	17½	W921T0703A17M4SNAS	2988.36
84,000	79,800	11 x 10	21	W921T0855A21M4SNAS	3233.98
98,000	93,100	11 x 10	21	W921T1005A21M4SNAS	3369.72
112,000	106,400	11 x 11	24½	W921T1155A24M4SNAS	3679.72

Solid Bottom Assemblies

For W96TA, W962W, W95PA, or W92PA Series
Solid bottom included on W92T Series

SIZE	STOCK NO	EACH
17.5"	AE10358501	30.82
21"	AE10358502	36.94
24"	AE10358503	38.31

L.P. Conversion Kits

JR Codes

FOR SERIAL NUMBERS	STOCK NO	EACH
W92TA Series	FP38	95.13
W96TA Series	FP34	78.25

W96T Series
Multi Position Gas Furnace



- 96% residential gas furnace CSA certified
- 4 way multi-poise design
- Diagnostics 7-Segment LED all units
- Ignition System – Direct Spark Ignition
- Water Management System
- Heat exchanger is removable for improved serviceability. Aluminized steel/Stainless steel construction provide maximum corrosion resistance and thermal fatigue reliability.
- Low profile “34 inch” cabinet
- Blower shelf design
- Pre marked hoses
- Vent with 2" or 3" PVC
- Replaceable Collector box
- Hemmed edges on cabinet and doors
- Quarter turn fasteners for tool less access
- Integrated control boards feature dip switches
- Self priming condensate trap

W96T Two-Stage Constant Torque ECM Motor

INPUT BTU/HR	HTG. CAP'Y BTU/HR	COOLING CFM @ .7"	WIDTH	STOCK NO	PRICE
42,000	41,000	1102	17½	W96TA0402317MSA	2899.14
84,000	82,000	1898	21	W96TA0852521MSA	3494.37

W962W Versus Line
Multi Position Gas Furnace



- ENERGY STAR® certified, 96% AFUE
- 4 way multi-poise design
- BluArch™ Contractor App & Bluetooth allows dip Switch Free Installation
- Proven Direct Spark Ignition
- Water Management System
- Vent with 2" or 3" PVC
- Low profile “34 inch” cabinet

W962W Two-Stage Constant Torque ECM Motor

INPUT BTU/HR	HTG. CAP'Y BTU/HR	MAX COOLING CFM	WIDTH	STOCK NO	PRICE
42,000	41,000	1240	17½	W962W0403A17M4SBAS	3116.56
56,000	55,000	1240	17½	W962W0603A17M4SBAS	3340.90
70,000	68,000	1240	17½	W962W0703A17M4SBAS	3430.20
84,000	82,000	1980	21	W962W0855A21M4SBAS	3756.46
98,000	95,000	1980	21	W962W1005A21M4SBAS	3880.14
112,000	109,000	1980	24½	W962W1155A24M4SBAS	4049.99

NEW ITEM

W801T UH Versus Line Gas Furnace



- Constant Torque ECM Motor
- Industry-first, 7-segment LED for quick & easy service
- Ignition System: Proven Direct Spark Ignition (DSI) for reliability & longevity
- Configuration: Upflow/Horizontal
- 5 Year Parts + 10 Year Heat Exchanger warranty

W801T Single-Stage Constant Torque ECM Motor

INPUT BTU/HR	HTG. CAP'Y BTU/HR	COOLING CFM @ .7"	WIDTH	STOCK NO	PRICE
50,000	40,000	1305	14	W801T0503A14UHSNAS	1618.84
75,000	60,000	1402	17½	W801T0754A17UHSNAS	1790.13
100,000	80,000	1840	21	W801T1005A21UHSNAS	2021.27
125,000	100,000	1934	24	W801T1255A24UHSNAS	2191.05



WA13 Series
Single Stage Air Conditioners

- Outdoor air conditioner designed for ground level or rooftop installations. These units offer comfort & dependability for single, multi-family & light commercial applications
- Painted louvered steel cabinet
- Easily accessible control box
- Condenser coils constructed with copper tubing and enhanced aluminum fins.
- Grille/Motor mount for quiet fan operation
- Limited Warranty (Parts - five years)

Model No. WA13	UNIT DIMENSIONS		
	Width	Length	Height
18, 24	23⅝"	23⅝"	24¼"
30, 36, 42	27⅝"	27⅝"	24¼"
48	31⅝"	31⅝"	27 15/16"
60	31⅝"	31⅝"	35 15/16"

Single Stage • 1ph, 208-230/60 • 13 SEER/11 EER

DESCRIPTION	STOCK NO	EACH
3.5 ton	*WA1342AJ1NA*	*2774.76*



WA13NZ Series
Single Stage Air Conditioners

- Fully Louvered Steel Cabinet: Features durable construction to add protection from yard hazards, weather corrosion
- Optimized 7 mm Coil: Design allows for improved airflow, heat transfer and energy consumption (1.5 ton - 4.0 ton)
- Easily Accessible Control Box: Ease of installation and serviceability
- Limited Warranty (Parts - five years)

Model No. WA13NZ	UNIT DIMENSIONS		
	Height	Length	Width
18	25"	29¾"	29¾"
24, 30, 36	25"	33¾"	33¾"
42	27"	33¾"	33¾"
48	39"	33¾"	33¾"
60	45"	33¾"	33¾"

Single Stage • 1ph, 208-230/60 • 13.4 SEER / 9.0 EER2

DESCRIPTION	STOCK NO	EACH
1.5 ton	*WA13NZ18AJ1NA*	*2404.78*
2.0 ton	*WA13NZ24AJ1NA*	*2572.03*
2.5 ton	*WA13NZ30AJ1NA*	*2881.18*
3.0 ton	*WA13NZ36AJ1NA*	*3283.74*
3.5 ton	*WA13NZ42AJ1NA*	*3555.20*
4.0 ton	*WA13NZ48AJ1NA*	*4056.84*
5.0 ton	*WA13NZ60AJ1NA*	*4890.19*



First-Pak Gas
Single Package Vertical Gas Unit

Self-contained packaged units with
gas-fired heating and electric cooling.
Pre-wired and pre-charged from factory.

- Slide out Cooling Chassis
- Low friction chassis slide rails
- Slide out heating assembly
- Integrated Circuit board for with status codes
- See through sight glass for viewing codes
- Pre-wired and pre-charged from the factory
- High efficiency scroll and rotary compressors
- Larger air coil with low face velocity
- Stainless steel heat exchanger
- Dual inlet evaporator fan
- Double isolated compressor mounting
- 27⅞" Width, 31⅜" Length, 43¼" Length
- 20 year heat exchanger warranty 5 year for other parts

Single Stage • 1ph, 208-230/60 • 12-13 SEER

HEAT CAPACITY	COOLING	STOCK NO	EACH
30,000 BTU/H	*1.0 ton*	*FPG30N8C12A*	*5299.22*
40,000 BTU/H	*1.5 ton*	*FPG40N8018C2A00F*	*5767.00*
50,000 BTU/H	*1.5 ton*	*FPG50N8C18A*	*5631.12*
50,000 BTU/H	*2.0 ton*	*FPG50N8C24A*	*6314.96*
60,000 BTU/H	*2.0 ton*	*FPG60N8C24A*	*6450.84*
60,000 BTU/H	*2.5 ton*	*FPG60N8C30A*	*6575.58*

(346c)

Accessories

STOCK NO	EACH
First-Pak Wall Sleeve - 29" x 45"	
92910	*447.73*
First-Pak Architectural Louvered Grill (Aluminum)	
G230A	*670.48*



92% AFUE GUH92C Series Upflow/Horizontal

Heat Exchanger Design
- Aluminized steel primary heat exchanger with crimped non-welded construction
- AL 29-4c stainless steel secondary heat exchanger

Cabinet Design
- Compact 33" height with standardized widths

Air Delivery System
- Multi-speed high efficiency (constant torque) blower motor
- Easily removable slide-out blower design

Controls
- Single stage gas valve
- Self diagnostics save last 10 fault codes regardless of power interruption
- Durable silicon nitride igniter
- Electronic air cleaner and humidifier terminals

Venting
- Certified for direct vent and indirect (1 and 2 pipe applications)

Natural Gas ½" Inlet • 120V / 60Hz / 1 Phase

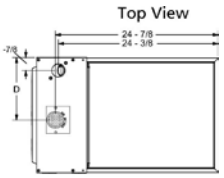
INPUT (BTUH)	OUTPUT (BTUH)	AFUE	NOM. COOLING CAPACITY	STOCK NO	PRICE
44,000	*42,000*	*92.1*	*3 Ton*	*GUH92C045B3M*	*2456.43*
66,000	*63,000*	*92.1*	*3 Ton*	*GUH92C070B3M*	*2536.20*
88,000	*84,000*	*92.1*	*4 Ton*	*GUH92C090C4M*	*2884.76*
110,000	*105,000*	*92.1*	*5 Ton*	*GUH92C110C5M*	*3493.58*

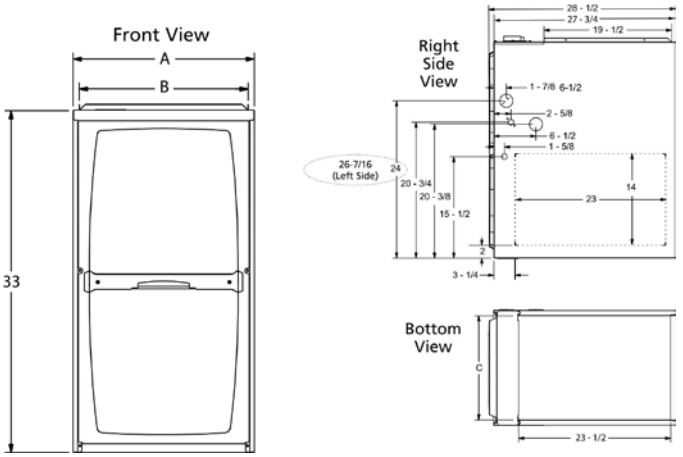
GUH97M Warranty	Parts	Heat Exchanger
Factory Registered	6 Years	20 Years

GUH92C	Dim. A	Dim. B	Dim. C	Dim. D
GUH92C045B3M	17-1/2"	16-3/8"	16"	9-5/16"
GUH92C070B3M	17-1/2"	16-3/8"	16"	9-5/16"
GUH92C090C4M	21"	19-7/8"	19-1/2"	11-5/16"
GUH92C110C5M	24-1/2"	23-3/8"	23"	11-5/16"

L.P. Conversion Kit

STOCK NO	EACH
11K50	*331.60*





Century Gas Furnaces

www.century-hvac.com



97% AFUE GUH97M Series Upflow/Horizontal

Heat Exchanger Design
- 409 stainless steel primary heat exchanger with crimped non-welded construction
- AL 29-4c stainless steel secondary heat exchanger

Cabinet Design
- Compact 33" height with standardized widths

Air Delivery System
- ECM variable speed blower motor
- Easily removable slide-out blower design
- Motor features "soft-start" and "soft-stop" for quiet operation
- Active and passive dehumidification feature

Controls
- Modulating gas valve
- Works with the conventional 24V T-Stat
- Self diagnostics saves last 10 fault codes regardless of power interruption

Venting
- Category 4 direct vent appliance (2 pipe only)

Natural Gas ½" Inlet • 120V / 60Hz / 1 Phase

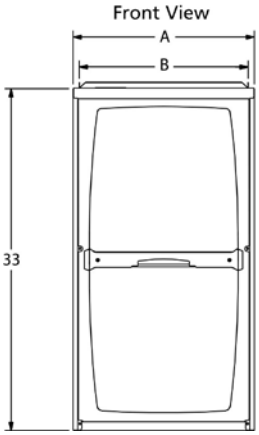
INPUT (BTUH)	OUTPUT (BTUH)	AFUE	NOM. COOLING CAPACITY	STOCK NO	PRICE
88,000	*85,000*	*97.0*	*4 Ton*	*GUH97M090C4M*	*7057.53*
110,000	*106,000*	*97.0*	*5 Ton*	*GUH97M110C5M*	*8197.21*
132,000	*127,000*	*97.0*	*5 Ton*	*GUH97M135D5M*	*9132.97*

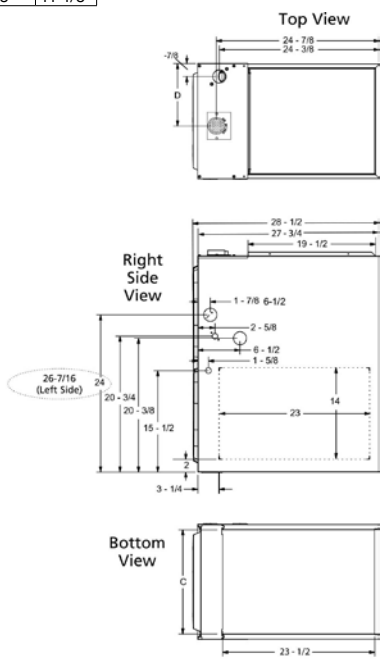
GUH97M Warranty	Parts	Heat Exchanger
Factory Registered	6 Years	20 Years

GUH97M	Dim. A	Dim. B	Dim. C	Dim. D
GUH97M070B3M	17-1/2"	16-3/8"	16"	7-5/8"
GUH97M090C4M	21"	19-7/8"	19-1/2"	9-3/8"
GUH97M110C5M	21"	19-7/8"	19-1/2"	9-3/8"
GUH97M135D5M	24-1/2"	23-3/8"	23"	11-1/8"

L.P. Conversion Kit

STOCK NO	EACH
68W77	*791.15*







97% AFUE GUH97T Series & 96% AFUE GUH96T Series Upflow/Horizontal

Heat Exchanger Design
- Aluminized steel primary heat exchanger with crimped non-welded construction
- AL 29-4C stainless steel secondary heat exchanger

Cabinet Design
- Compact 33" height with Standardized widths

Air Delivery System
- Efficient ECM variable speed blower motor
- Motor features "soft start" and "soft stop" for quiet operation
- Active and passive dehumidification feature
- Easily removable slide-out blower design

Controls
- Two stage gas valve with Integrated ignition and fan control
- Control board keeps last five (5) fault codes with push button memory recall
- Hot surface ignition system uses durable silicon nitride ignitor
- Control features electronic air cleaner and humidifier terminals

Venting
- Certified for direct vent (2-pipe) or non-direct (1-pipe) applications

Natural Gas ½" Inlet • 120V / 60Hz / 1 Phase

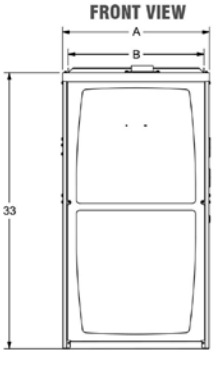
INPUT (BTUH) 1ST STAGE/2ND STAGE	OUTPUT (BTUH) 1ST STAGE/2ND STAGE	CAPACITY	NOM. COOLING STOCK NO	PRICE
29,000/44,000	*28,000/43,000*	*3 Ton*	*GUH97T045B3M*	*3476.41*
43,000/66,000	*41,000/62,000*	*3 Ton*	*GUH96T070B3M*	*3614.37*
57,000/88,000	*55,000/84,000*	*3 Ton*	*GUH96T090C3M*	*4160.67*
72,000/110,000	*70,000/105,000*	*5 Ton*	*GUH96T110C5M*	*4386.93*
88,000/132,000	*84,000/126,000*	*5 Ton*	*GUH96T135D5M*	*4580.75*

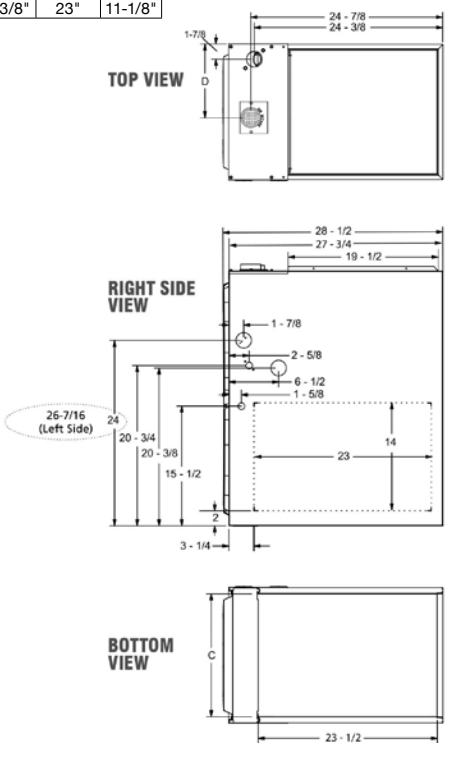
GUH96T Warranty	Parts	Heat Exchanger
Factory Registered	6 Years	20 Years

GUH96T	Dim. A	Dim. B	Dim. C	Dim. D
GUH97T045B3M	17-1/2"	16-3/8"	16"	7-5/8"
GUH96T070B3M	17-1/2"	16-3/8"	16"	7-5/8"
GUH96T090C3M	21"	19-7/8"	19-1/2"	9-3/8"
GUH96T110C5M	21"	19-7/8"	19-1/2"	9-3/8"
GUH96T135D5M	24-1/2"	23-3/8"	23"	11-1/8"

L.P. Conversion Kit

STOCK NO	EACH
11K48	*318.92*





Century Gas Furnaces

www.century-hvac.com

96% AFUE GUH96C Series Upflow/Horizontal



Heat Exchanger Design
- Aluminized steel design primary heat exchanger with crimped no weld construction, AL 29-4C Stainless steel secondary heat exchanger

Burner
- Aluminized steel inshot burners

Cabinet Design
- Compact 33" height with standardized widths

Air Delivery System
- Multi-speed high efficiency (constant torque) blower motor

Controls
- Single Stage Gas Valve
- Durable silicon nitride ignitor
- Self diagnostics saves last 5 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals

Venting
- Designed certified for direct (2-pipe) and non direct (1-pipe) applications

Natural Gas ½" Inlet • 120V / 60Hz / 1 Phase

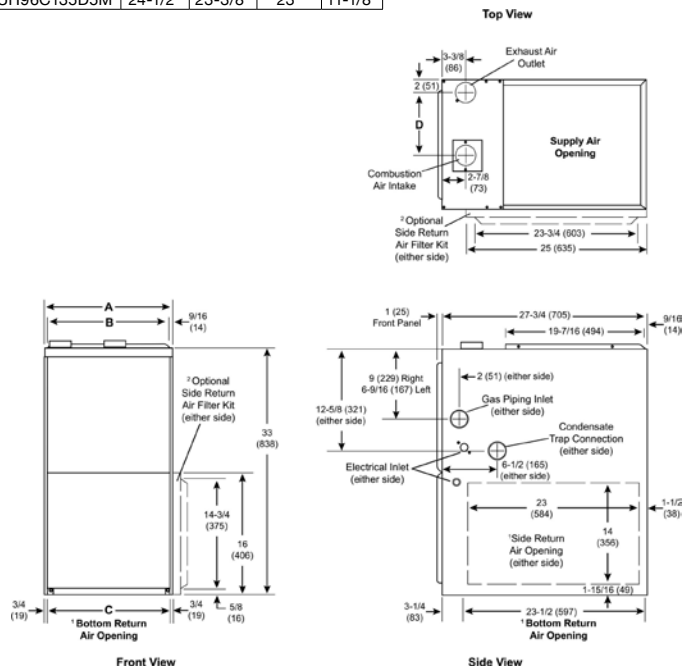
INPUT (BTUH)	OUTPUT (BTUH)	AFUE	NOM. COOLING CAPACITY	STOCK NO	PRICE
44,000	*42,800*	*96.0*	*3 Ton*	*GUH96C045B3M*	*3252.99*
66,000	*63,900*	*96.0*	*3 Ton*	*GUH96C070B3M*	*3319.57*
88,000	*85,600*	*96.0*	*4 Ton*	*GUH96C090C4M*	*3432.32*
110,000	*107,200*	*96.0*	*5 Ton*	*GUH96C110C5M*	*3714.05*
132,000	*127,000*	*96.0*	*5 Ton*	*GUH96C135D5M*	*4251.97*

GUH96C Warranty	Parts	Heat Exchanger
Factory Registered	6 Years	20 Years

GUH96C	Dim. A	Dim. B	Dim. C	Dim. D
GUH96C045B3M	17-1/2"	16-3/8"	16"	7-5/8"
GUH96C070B3M	17-1/2"	16-3/8"	16"	7-5/8"
GUH96C090C4M	21"	19-7/8"	19-1/2"	9-3/8"
GUH96C110C5M	21"	19-7/8"	19-1/2"	9-3/8"
GUH96C135D5M	24-1/2"	23-3/8"	23"	11-1/8"

L.P. Conversion Kit

STOCK NO	EACH
11K50	*331.60*



96% AFUE GDD96C Series Downflow



Heat Exchanger Design
- Aluminized steel design primary heat exchanger with crimped no weld construction, AL 29-4C Stainless steel secondary heat exchanger

Burner
- Aluminized steel inshot burners

Cabinet Design
- Compact 33" height with standardized widths

Air Delivery System
- Multi-speed high efficiency (constant torque) blower motor

Controls
- Single Stage Gas Valve
- Durable silicon nitride ignitor
- Self diagnostics saves last 5 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals

Venting
- Designed certified for direct (2-pipe) and non direct (1-pipe) applications

Natural Gas ½" Inlet • 120V / 60Hz / 1 Phase

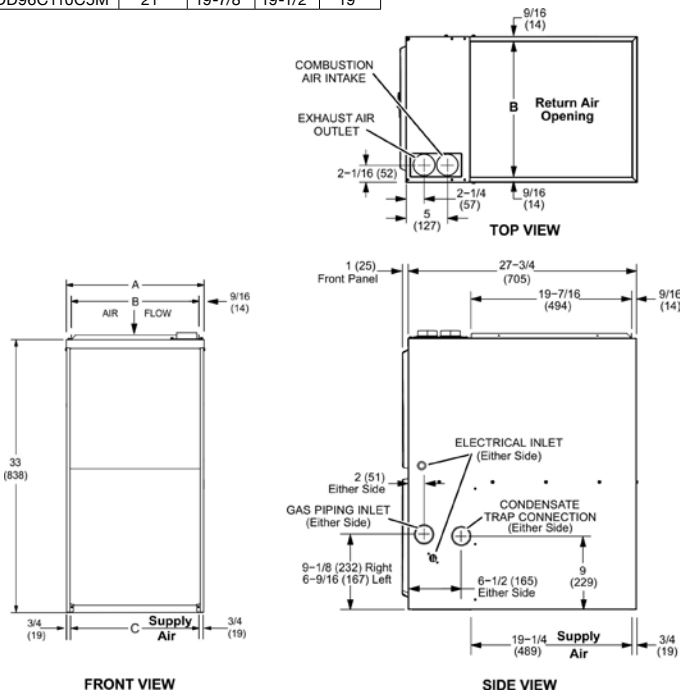
INPUT (BTUH)	OUTPUT (BTUH)	AFUE	NOM. COOLING CAPACITY	STOCK NO	PRICE
44,000	*42,000*	*96.0*	*3 Ton*	*GDD96C045B3M*	*3546.38*
66,000	*64,000*	*96.0*	*4 Ton*	*GDD96C070B4M*	*3738.80*
88,000	*86,000*	*96.0*	*4 Ton*	*GDD96C090C4M*	*4646.03*
110,000	*108,000*	*96.0*	*5 Ton*	*GDD96C110C5M*	*4783.48*

GDD96C Warranty	Parts	Heat Exchanger
Factory Registered	6 Years	20 Years

GDD96C	Dim. A	Dim. B	Dim. C	Dim. D
GDD96C045B3M	17-1/2"	16-3/8"	16"	15-1/2"
GDD96C070B3M	17-1/2"	16-3/8"	16"	15-1/2"
GDD96C090C4M	21"	19-7/8"	19-1/2"	19"
GDD96C110C5M	21"	19-7/8"	19-1/2"	19"

L.P. Conversion Kit

STOCK NO	EACH
11K50	*331.60*



Century Gas Furnaces

www.century-hvac.com



80% AFUE GUH80C Series Upflow/Horizontal

Heat Exchanger
- Aluminized steel tapered crimped non-welded clam shell design

Burners
- Aluminized steel inshot burners for smooth ignition

Cabinet Design
- Compact 33" height
- Standardized widths for easy coil fit

Air Delivery System
- Multi-speed high efficiency (constant torque) blower motor

Controls
- Single stage gas valve
- Durable silicon nitride ignitor
- Self diagnostics saving last 10 fault codes regardless of power interruption

Venting
- Rotatable draft inducer for venting flexibility

Natural Gas ½" Inlet • 120V / 60Hz / 1 Phase

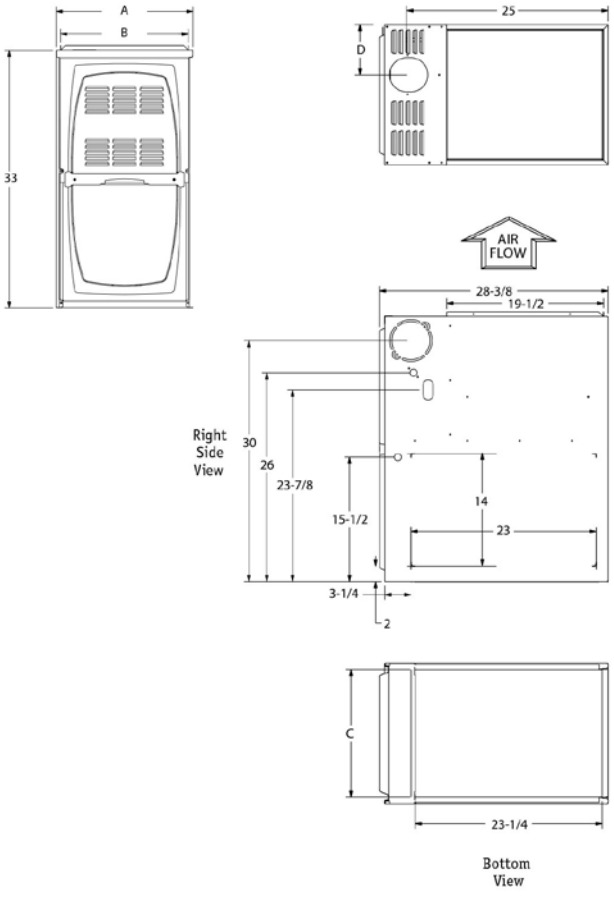
INPUT (BTUH)	OUTPUT (BTUH)	AFUE	NOM. COOLING CAPACITY	STOCK NO	PRICE
44,000	*35,200*	*80.0*	*1½ - 3 Ton*	*GUH80C045A3M*	*2046.74*
66,000	*52,800*	*80.0*	*1½ - 3 Ton*	*GUH80C070B3M*	*2164.50*
88,000	*70,400*	*80.0*	*2½ - 4 Ton*	*GUH80C090B4M*	*2323.04*
88,000	*70,400*	*80.0*	*3 - 5 Ton*	*GUH80C090C5M*	*2427.73*
110,000	*88,000*	*80.0*	*4 - 5 Ton*	*GUH80C110C5M*	*2538.74*
132,000	*105,600*	*80.0*	*4 - 5 Ton*	*GUH80C135D5M*	*2918.28*

GUH80C Warranty	Parts	Heat Exchanger
Factory Registered	6 Years	20 Years

GUH80C	Dim. A	Dim. B	Dim. C	Dim. D
GUH80C045A3M	14-1/2"	13-3/8"	13"	4-3/4"
GUH80C070B3M	17-1/2"	16-3/8"	16"	6-1/4"
GUH80C090B4M	17-1/2"	16-3/8"	16"	6-1/4"
GUH80C090C5M	21"	19-3/8"	19-1/2"	8"
GUH80C110C5M	21"	19-3/8"	19-1/2"	8"
GUH80C135D5M	24-1/2"	23-3/8"	23"	9-3/4"

L.P. Conversion Kit

STOCK NO	EACH
11K50	*331.60*





80% AFUE GDD80C Series Downflow

Heat Exchanger
- Aluminized steel tapered crimped non-welded clam shell design

Burners
- Aluminized steel inshot burners for smooth ignition

Cabinet Design
- Compact 33" height
- Standardized widths for easy coil fit

Air Delivery System
- Multi-speed high efficiency (constant torque) blower motor

Controls
- Single stage gas valve
- Durable silicon nitride ignitor
- Self diagnostics saving last 10 fault codes regardless of power interruption

Venting
- Rotatable draft inducer for venting flexibility

Natural Gas ½" Inlet • 120V / 60Hz / 1 Phase

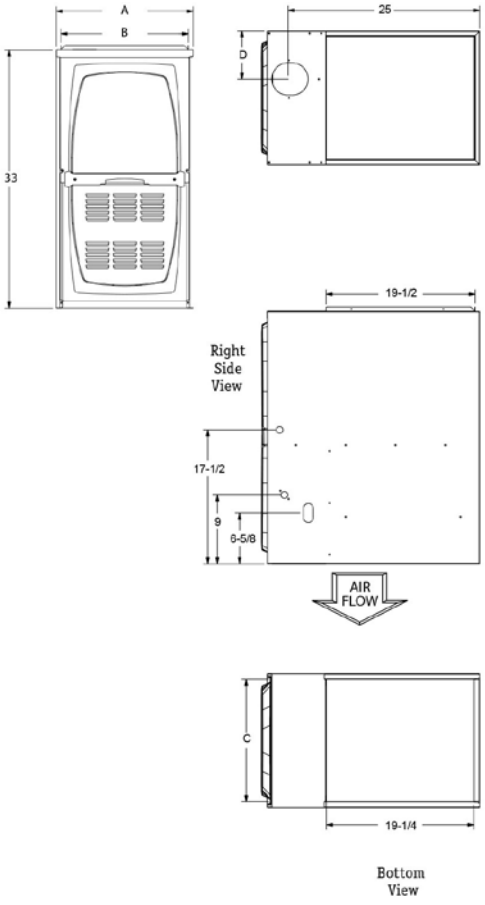
INPUT (BTUH)	OUTPUT (BTUH)	AFUE	NOM. COOLING CAPACITY	STOCK NO	PRICE
44,000	*35,200*	*80.0*	*2 - 3 Ton*	*GDD80C045A3M*	*3040.92*
66,000	*52,800*	*80.0*	*2 - 3 Ton*	*GDD80C070B3M*	*3527.16*
88,000	*70,400*	*80.0*	*3 - 4 Ton*	*GDD80C090B4M*	*3721.68*
110,000	*88,000*	*80.0*	*4 - 5 Ton*	*GDD80C110C5M*	*3987.51*

GUH80C Warranty	Parts	Heat Exchanger
Factory Registered	6 Years	20 Years

GUH80C	Dim. A	Dim. B	Dim. C	Dim. D
GDD80C045A3M	14-1/2"	13-3/8"	13"	4-3/4"
GDD80C070B3M	17-1/2"	16-3/8"	16"	6-1/4"
GDD80C090B4M	17-1/2"	16-3/8"	16"	6-1/4"
GDD80C110C5M	21"	19-7/8"	19-1/2"	8"

L.P. Conversion Kit

STOCK NO	EACH
11K50	*331.60*



Century Condensing Units

www.century-hvac.com



RSG17 R-Series

Compressor
- High-efficiency scroll compressor
- Internally protected against high temperature motor overload conditions

Cabinet
- Full metal louvered to protect the coil
- Individual louver panels; for cleaning/service
- Corner-mounted controls for easy service
- Baked polyester paint finished over galvanized steel for maximum durability
- 45-degree offset valves for easy service

Coils
- Total corrosion protection technology
- Enhanced tube-and-fin coil design
- Lanced fins for maximum heat transfer
- Raised coil prevents debris

Components
- Factory installed high/low pressure switches
- Thread-on pressure switches with Schrader core for simple, quick replacement
- Filter drier shipped loose
- Fan orifice for smoother airflow/sound reduction
- Charged for 15 feet of line set

17 SEER • R-410A • 208/230v • 1 Phase • 60Hz

SIZE	STOCK NO	EACH
1.5	RSG1718S1R	3817.69
2.0	RSG1724S1R	4435.22
2.5	RSG1730S1R	4991.06
3.0	RSG1736S1R	5569.32
3.5	RSG1741S1R	6498.01
4.0	RSG1747S1R	7114.59

RSG17	18K	25K	30K	36K	42K	48K
Height	29.25	37.25	29.25	37.25	33.25	33.25
Width	28.25	28.25	28.25	28.25	32.25	32.25
Depth	28.25	28.25	28.25	28.25	32.25	32.25
Weight	155	170	180	200	225	225

RSG14 Warranty	Parts	Compressor
Factory Registered	6 Years	12 Year



RSG14 R-Series

Compressor
- High-efficiency scroll compressor
- Heavy-duty compressor sound blanket
- Internally protected against high temperature motor overload conditions

Cabinet
- Full metal louvered to protect the coil
- Individual louver panels; for cleaning/service
- Corner-mounted controls for easy service
- Baked polyester paint finished over galvanized steel for maximum durability

Coils
- Total corrosion protection technology
- Enhanced tube-and-fin coil design
- Lanced fins for maximum heat transfer

Components
- Factory installed high/low pressure switches
- Thread-on pressure switches with Schrader core for simple, quick replacement
- Filter drier shipped loose
- Fan shroud for smoother airflow/sound reduction
- Charged for 15 feet of line set
- 45-degree offset valves for easy servic

14 SEER • R-410A • 208/230v • 1 Phase • 60Hz

SIZE	STOCK NO	EACH
1.5	RSG1418S1R	3068.27
2.0	RSG1424S1R	3130.00
2.5	RSG1430S1R	3413.97
3.0	RSG1436S1R	3753.51
3.5	RSG1442S1R	4341.99
4.0	RSG1448S1R	4791.81
5.0	RSG1460S1R	5948.34

RSG14	18K	25K	30K	36K	42K	48K	60K
Height	29	29	37	29	37	37	43
Width	24.25	28.25	28.25	28.25	28.25	28.25	32.25
Depth	24.25	28.25	28.25	28.25	28.25	28.25	32.25
Weight	134	154	169	181	211	218	226

RSG14 Warranty	Parts	Compressor
Factory Registered	6 Years	12 Year

Century Evaporator Coils (360F)

www.century-hvac.com

Cased Coils



MCG Series Coils • R-410A

- Rifled copper tubing, enhanced aluminum fins
- Immersion-tested at 500 psi, the nitrogen-pressurized and sealed
- Right-hand refrigerant and plumbing connections
- Externally mounted flowrater body with Schrader valve for hiss-testing
- Heavy duty plastic drain pans on most models
- Upflow, horizontal right, or horizontal left without field model modification. Downflow application require plate kit, included.
- Painted cabinets feature furnace connectors
- Fully insulated cabinets with faced insulation
- Split access doors in front for easy service
- AHRI certifiable with all brands of A/C and heat pump systems
- ETL listed for use with both R-22 and R-410a when proper metering device is used

TON	WIDTH	HEIGHT	STOCK NO	EACH
Factory installed TXV				
1.5-2	14½"	16½"	MCG1824TA1P	1535.80
1.5-2	17½"	16½"	MCG1824TB1P	1535.80
2-2.5	17½"	16½"	MCG2430TB3P	1571.89
2-2.5	21"	16½"	MCG2430TC3P	1571.89
2	17½"	16½"	MCG24TB4P	1628.59
3	17½"	20½"	MCG36TB7P	2061.50
3	21"	20½"	MCG36TC7P	2061.50
2.5-3	17½"	16½"	MCG3036TB4P	1654.34
2.5-3	21"	16½"	MCG3036TC4P	1654.34
3.5-4	21"	25½"	MCG4248TC8P	2174.88
3.5-4	21"	25½"	MCG4248TCBP	2391.66
3.5-4	24½"	25½"	MCG4248TD8P	2174.88
4	21"	27½"	MCG48TCFP	2370.72
4	24½"	27½"	MCG48TDFP	2370.72
5	21"	31½"	MCG60TCBP	2484.14
5	24½"	31½"	MCG60TDBP	2484.14

(360K)

Flowrator Size for R410A - 0.053				
1.5-2	17½"	16½"	MCG1824PB1P	1262.67
Flowrator Size for R410A - 0.067				
2.5-3	17½"	16½"	MCG3036PB4P	1396.66



MCD Series Coils • R-410A

- Rifled copper tubing with aluminum fins
- Fully insulated cabinet
- Heavy duty corrosion resistant drain pan
- Vertical or horizontal drain connections

For use with VCD heat pump split systems

TON	WIDTH	HEIGHT	STOCK NO	EACH
1.5-2	17½"	18"	MCD1824B1A	2063.31
2.5-3	21"	24"	MCD3036C1A	2222.01

Aspen Uncased Evaporator Coils (25a)

Designed for upflow and downflow applications.
Standard refrigerant connections:
⅜" ODS liquid line, ⅞" ODS suction line.
One ¾" MPT condensate drain.

(25a)

Aspen CA Series

R-410A • "A" Coils

W X D X H IN INCHES	STOCK NO	EACH
Cooling "A" Coils		
16"x19⅜"x15½"	CA30A34160RR410	1022.69
16"x19⅜"x17½"	CA36A34160RR410	1085.31

Aspen Downflow Kits

Call for application use of metal vs. plastic.

SIZE	STOCK NO	EACH
Metal drain pans	DWNFLWM16	24.73
Plastic drian pans	DWNFLWP	12.37

Insulated Line Sets (25a)



UV Abrasion and weather resistant polymeric jacket

SIZE	STOCK NO	EACH
3/4" x 3/8" UV Insulated Linesets		
¾ x ⅜ x 25'	3438X2512STD	301.40
¾ x ⅜ x 35'	3438x3512STD	405.36
¾ x ⅜ x 50'	3438x5012STD	545.64
7/8" x 3/8" UV Insulated Linesets		
⅞ x ⅜ x 25'	7838X2512STD	390.87
⅞ x ⅜ x 35'	7838X3512STD	525.65
⅞ x ⅜ x 50'	7838X5012STD	707.63
1-1/8" x 3/8" Standard Black Insulated Linesets		
1⅛ x ⅜ x 25'	11838X2512	555.49
1⅛ x ⅜ x 35'	11838X3512	875.11
1⅛ x ⅜ x 50'	11838X5012	964.83
3/4" x 3/8" Black 3/4" UV Insulated Linesets Sioux Falls Approved		
¾" x ⅜" x 35'	3438X3534STD	476.21
¾" x ⅜" x 50'	3438X5034STD	626.04
⅞" x ⅜" x 35'	7838X3534STD	575.29
⅞" x ⅜" x 50'	7838X5034STD	773.29

Double Insulated

Omaha Approved Duraguard UV™ Insulated Linesets

SIZE	STOCK NO	EACH
⅜ x ¾ x 35'	3438X3534BL	542.63
⅜ x ⅞ x 35'	7838X3534BL	655.82
⅜ x ¾ x 50'	3438X5034BL	727.95
⅜ x ⅞ x 50'	7838X5034BL	888.10

See page 624 For Suction Only Line Sets

Adhesives

See page 828 for SPVC Line Set Tape

No 520 Armaflex

DESCRIPTION	STOCK NO	EACH
Pint	PTRUAD	33.23
Quart	QTRUAD	49.83

Clamps



(29)

Thermo-Snap Clamp

Pre-mounted brackets designed for pipe mounting jobs. *(Bag of 5)*

SIZE	STOCK NO	EACH
2"	TSC2	11.34

Century Heat Pumps & Air Handlers

www.century-hvac.com

18 SEER HRG18 P-Series



Factory-installed TXV

- Inverter-driven compressor for true variable capacity operation.
- Internally protected against high temperature motor overload conditions
- Heavy-duty compressor sound blanket for quiet operation
- Designed for ambients up to 125°F
- All units ETL and ETLC approved and AHRI lis
- Service valves positioned for quick installation and easy service
- High and low pressure switches factory installed
- Factory installed filter dryer

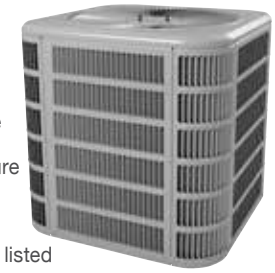
18 SEER • R-410A • 208/230v • 1 Phase • 60Hz

SIZE	STOCK NO	EACH
2-3 Ton	HRG1836S1P	9588.08
4-5 Ton	HRG1860S1P	12854.40

HRG18	36K	60K
H	33.75	43.75
W	29.875	29.875
D	31.5	31.25

HRG18 Warranty	Parts	Compressor
Factory Registered	6 Years	12 Year

15 SEER HRG15 R-Series



High-efficiency scroll compressor

- Inverter-driven compressor for true variable capacity operation.
- Internally protected against high temperature motor overload conditions
- Designed to perform in temperatures up to 125°F down to 0°F
- All units ETL and ETLC approved and AHRI listed
- Charged for 15 feet of line set
- High and low pressure switches factory installed
- Factory installed filter dryer

15 SEER • R-410A • 208/230v • 1 Phase • 60Hz

SIZE	STOCK NO	EACH
1.5 Ton	HRG1518S1R	4453.83
2 Ton	HRG1524S1R	4534.23
2.5 Ton	HRG1530S1R	4868.29
3 Ton	HRG1536S1R	5406.43
3.5 Ton	HRG1542S1R	6264.68
4 Ton	HRG1548S1R	6859.07
5 Ton	HRG1560S1R	7518.88

HRG15	18K	24K	30K	36K	42K	48K	60K
H	43	43	33	33	38	38	43
W	28.25	28.25	28.25	32.25	32.25	32.25	32.25
D	28.25	28.25	28.25	32.25	32.25	32.25	32.25

HRG15 Warranty	Parts	Compressor
Factory Registered	6 Years	12 Year



(360N)

VCD-Series Hyper Heat Heat Pump

- Efficiencies as high as 18 SEER2
- Charged for 25 feet of interconnecting tubing
- Heavy-duty inverter compressor

R-410A • 208/230v • 1 Phase • 60Hz

COOLING CAP. (BTUH)	SEER2	EER2	STOCK NO	EACH
18,000	18.0	12.4	AVCD18SA1CY	2473.34
24,000	17.4	11.7	AVCD24SA1CY	3276.57
30,000	16.2	10.0	AVCD30SA1CY	3977.73
36,000	16	10.0	AVCD36SA1CY	5630.34
Heat Pump Defrost Control			67M41	138.60

A-VCD	18K	24K	30K	36K
H	26.50	31.89	31.89	52.48
W	35.04	37.24	37.24	37.48
D	13.46	16.14	16.14	16.34

A-VCD Warranty	Parts	Compressor
Factory Registered	10 Years	10 Year

HCG**V1P-Series Air Handlers



Variable-Speed ECM

- External access to heater circuit breakers
- Multi-position = Upflow/Horizontal Left/Right
- Polymer plugs on drain locations for installation
- High-strength/heat resistant/corrosion resistance SMC drain pans
- Enhanced tube-and-fin coil design featuring MHT™ Technology
- Variable speed blower motor (constant air flow)
- Field installed 5 - 20kW electric heat kits with easy plug connections
- Built-in indoor time delay for increased efficiency
- Sleeves on distributor tubing to protect tubes
- Single point power kit

SIZE	STOCK NO	EACH
2.0 ton	HCG24V1P	4211.74
3.0 ton	HCG36V1P	4799.64
4.0 ton	HCG48V1P	5381.87
5.0 ton	HCG60V1P	6985.12

HCG**V1P-Series	24K	36K	48K	60K
Nominal cooling capacity - BTUh 1	24000	36000	48000	60000
Volts/Hz/Phase	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Max. Elec. HEat Available (kW)	10	15	20	20
Transformer Size & Type	40VA Class 2	40VA Class 2	40VA Class 2	40VA Class 2
Filter Size (inches)	15 x 20 x 1	18 x 20 x 1	18 x 20 x 1	18 x 20 x 1
Refrig. Connection (IDS) Suction (in.)	3/4	7/8	7/8	7/8
Refrig. Connection (IDS) Liquid (in.)	3/8	3/8	3/8	3/8
Installed TXV Size	H4TXV01	H4TXV02	H4TXV02	H4TXV03
Weight (lbs.)	127	163	186	186
Height (inches)	45-1/2	53-5/8	55	59-3/4
Width (inches)	18-1/2	21-1/2	21-1/2	21-1/2

HMG**X1P-Series Air Handlers



Constant-Torque ECM

- External access to heater circuit breakers
- Multi-position = Upflow/Horizontal Left/Right
- Polymer plugs on drain locations for installation
- High-strength/heat resistant/corrosion resistance SMC drain pans
- Enhanced tube-and-fin coil design featuring MHT™ Technology
- Efficient Constant Torque blower motors
- Field installed 2.5, 5, 7.5, 10, 12.5, 15, and 20 kW electric heat kits
- Built-in indoor time delay for increased efficiency
- Sleeves on distributor tubing to protect tubes
- Single point power kit

SIZE	STOCK NO	EACH
2.0 ton	HMG24X1P	3496.82
2.5 ton	HMG30X1P	3625.38
3.0 ton	HMG36X1P	3936.98
3.5 ton	HMG42X1P	4194.21
4.0 ton	HMG48X1P	4243.66
5.0 ton	HMG60X1P	5490.06

HMG**X1P-Series	24K	30K	36K	42K	48K	60K
Nominal cooling capacity - BTUh 1	24000	30000	36000	42000	48000	60000
Volts/Hz/Phase	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Max. Elec. HEat Available (kW)	10	15	15	15	20	20
Transformer Size & Type	40VA Class 2	40VA Class 2	40VA Class 2	40VA Class 2	40VA Class 2	40VA Class 2
Filter Size (inches)	15 x 20	15 x 20	18 x 20	18 x 20	18 x 20	18 x 20
Refrig. Connection (IDS) Suction (in.)	3/4	3/4	7/8	7/8	7/8	7/8
Refrig. Connection (IDS) Liquid (in.)	3/8	3/8	3/8	3/8	3/8	3/8
Installed TXV Size	H4TXV01	H4TXV01	H4TXV02	H4TXV02	H4TXV02	H4TXV03
Weight (lbs.)	127	133	163	168	186	186
Height (inches)	45-1/2	47	53-5/8	53-5/8	55	59-3/4
Width (inches)	18-1/2	18-1/2	21-1/2	21-1/2	21-1/2	21-1/2

Electric Heat Kits with Circuit Breaker

SIZE	MODEL	C/B SIZE	STOCK NO	EACH
5kW	ECBA25-5CB	30A	16Y39	299.28
7.5kW	ECBA25-7.5CB	45A	16Y41	328.17
10kW	ECBA25-10CB	60A	16Y42	357.02
12.5kW	ECBA25-12.5CB	50A + 25A	16Y43	484.43
15kW	ECBA25-15CB	60A + 25A	16Y44	563.65
20kW	ECBA25-20CB	60A + 50A	16Y46	650.71

BOVA Series
Air to Air Heat Pumps



- Inverter Driven Rotary Compressor delivers up to 18 SEER
- Inverter Compressor (26%-110% Speed) Modulation in 1% Increments
- Compressor Sound Blanket
- 10-year Residential Limited Warranty

R-410A Outdoor Condensing Units • 208/230v • 1 Phase • 60Hz

SIZE	COOLING TOTAL	SEER	EER	STOCK NO	EACH
3 Ton	32400	14.5-15.0	10.0-11.5	BOVB36	4761.50

BOVB18 Outdoor Unit + BMAC Cased Coil Only AHRI 210/240 Performance Data

Outdoor Unit Model	Cased Coil Model	Cooling Capacity			Heating Capacity			
		Cooling Total	Capacity SEER	(BTU/H) EER	HI	HSPF	LOW	CFM
BOVB 36	2430B	23400	15.0	11.5	24000	9.0	17200	700
BOVB 36	3036B	32400	14.5	10.0	35000	9.0	23000	1000
BOVB 36	3036C	32400	14.5	10.0	35000	9.0	23000	1000

BMAC Series Cased Coils • R-410A Refigerant

SIZE	PAIRING MODEL	SEER	EER	CFM	STOCK NO	EACH
17½"	BOVA36 2-2½ Ton	15	11.5	700	BMAC2430BNTD	1078.46
17½"	BOVA36 3-3½ Ton	14.5	10	1000	BMAC3036BNTD	1109.84
21"	BOVA36 3-3½ Ton	14.5	10	1000	BMAC3036CNTD	1268.78
21"	BOVA60 3½-4 Ton	16	11	1300	BMAC4248CNTF	1491.89
21"	BOVA60 4-4½ Ton	16	10.5	1300	BMAC4860CNTF	1699.31
24½"	BOVA60 4-4½ Ton	16	10.5	1500	BMAC4860DNTF	1711.44

IDS 2.0 Series
Air to Air Heat Pumps



- Ultra-efficient inverter drive system offers up to 20.5 SEER and 10.5 HSPF
- Variable capacity control to precisely match the cooling/heating load
- Sound levels as low as 56 dBA
- 10-year Residential Limited Warranty

R-410A Outdoor Condensing Units • 208/230v • 1 Phase • 60Hz

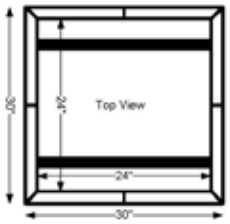
SIZE	COOLING/HEATING BTU/H	SEER	EER	STOCK NO	EACH
3 Ton	34,600/34,200	20-20.5	12.5-14	BOVA36M20	5661.06
5 Ton	54,500/56,000	19-20	12.5-13.5	BOVA60M20	7303.35

Inverter Ducted Split AHRI 210/240 Performance Data

Outdoor Unit Model	Indoor Air Handler Model	Cooling Capacity			Heating Capacity			
		Cooling Total	Capacity SEER	(BTU/H) EER	HI	HSPF	LOW	CFM
BOVA 36	24	24000	20.5	14	24000	10.5	23000	860/680
BOVA 36	36	34600	20	12.5	34200	10.5	28000	1150/820
BOVA 60	48	47000	20	13.5	48000	10.5	40000	1530/1150
BOVA 60	60	57000	19	12.5	56000	10.5	44000	1750/1350

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Universal Reversible
Heat Pump Stand



- Reversible adjustable brackets
- Powder coated
- Durable
- 10" Height

STOCK NUMBER	EACH
UNV2430	259.20

Electrical Heat Kits

Double Pole Breaker

SIZE	STOCK NO	EACH
5kW	EHK05A	219.54
7.5kW	EHK08A	277.28
10kW	EHK10B	305.79
15kW	EHK15B	496.83
20kW	EHK20B	581.65



Surge Protector

STOCK NO	EACH
ICM517	135.55

BVA 2.0 Series
Indoor Air Handlers



The Bosch Inverter Ducted Split system is one of the quietest air-to-air systems on the market. Through the use of foil-faced air handler cabinet insulation, silent blade technology, sound isolating mounts and outdoor condensing section placement - the system can deliver sound levels as low as 56dB - which is far superior to any standard system on the market.

R410A • Multi-speed ECM blower • TXV Metering

SIZE	STOCK NO	EACH
2.0 ton	BVA24WN1M20	3000.17
3.0 ton	BVA36WN1M20	3852.68
4.0 ton	BVA48WN1M20	4000.94
5.0 ton	BVA60WN1M20	5475.74

BVA Models	BVA024	BVA036	BVA048	BVA060
Cooling Capacity				
Nominal Cooling (BTU/h)	24,000	34,600	47,500	54,500
Nominal Heating (BTU/h)	24,000	34,200	48,000	55,000
Blower				
Diameter	10-5/8"	10-63/64"	10-63/64"	10-63/64"
Width	8-5/32"	10-63/64"	10-63/64"	10-63/64"
Fan Motor				
Horsepower (HP)	1/3	1/2	3/4	3/4
Full Load Amps	2.6	3	4.5	4.5
Refrigeration System				
Refrigerant Line Size'				
Liquid Line Size (O.D.)	3/8"	3/8"	3/8"	3/8"
Suction Line Size (O.D.)	3/4"	3/4"	7/8"	7/8"
Refrigerant Connection Size				
Liquid Line Size (O.D.)	3/8"	3/8"	3/8"	3/8"
Suction Line Size (O.D.)	3/4"	3/4"	7/8"	7/8"
Expansion Device [TXV=Thermal Expansion Valve]	TXV	TXV	TXV	TXV
Decibels dB(A)				
HighSpeed	63	65	67	68
Medium Speed	59	62	63	64
LcmSpeed	55	58	59	60
Electrical Data				
Voltage-Phase-Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Minimum Circuit Ampacity'	3.3	3.8	5.7	5.7
Max. Overcurrent Protection 3	15	15	15	15
Min/ Max Volts	172V/270V	172V/270V	172V/270V	172V/270V
Air Filter				
Air Filter Sizes	18" x 20"	18" x 20"	20" x 22"	20" x 22"
Weight				
Equipment Weight (lbs)	119	126	162	170
Ship Weight (lbs) 4	132	139	180	188
Dimensions				
Unit D x W x H (in.)	21-5/8 x 19-5/8 x 46-1/2		24 x 22 x 54-1/2	



BGH96 Gas Furnace

- Up to 96% AFUE heating efficiency, ENERGY STAR rated
- 5-year parts limited warranty, 20 year heat exchanger limited warranty
- Reliable, proven two-stage design
- 3-way multipoise design allows for flexibility in multiple types of installs
- Natural gas to propane gas conversion kit included
- 2 stage gas valve with ECM motors for all models
- Hot-surface ignition for dependable operation
- Durable aluminized steel tubular heat exchanger and stainless-steel secondary heat exchanger
- Pairs with Bosch BOVA15, BOVB18 or BOV*20 heat pumps, achieving a SEER2 rating of up to 18.5 and a HSPF2 rating of up to 9.0
- Low profile cabinet construction allows for installation in tight spaces.
- LED fault diagnostics for quick and easy service calls

Two-stage gas valve • Multi-speed blower

INPUT BTU/H (HIGH)	OUTPUT BTU/H (HIGH)	STOCK NO	EACH
60,000	57,000	BGH96M060B3B	3265.34
80,000	76,000	BGH96M080B3B	3364.42
100,000	95,000	BGH96M100C5B	3832.73

Fujitsu Single Zone Units (330b)

www.fujitsu-general.com/us

Halcyon™ Wall Mounted Entry Level Units

Stylish, slim and elegant, these popular wall mounted units are designed for single rooms. Indoor units have a clean, aesthetic design and are small but mighty and shorter in length than competing units, helping them blend into any room. These 16-SEER heat pump systems now feature Inverter technology, environmentally friendly R410A refrigerant, both heating and cooling operation, quiet mode and easy maintenance.



(Actual equipment appearance may vary)

Indoor Units

Wireless Controller Included • Washable Panel Filter

COOLING BTU/HR	NOM. HEATING BTU/HR	STOCK NO	EACH
9,000	10,000	ASUH09LPAS	785.50
12,000	14,000	ASUH12LPAS	845.73
18,000	18,000	ASUH18LPAS	1373.58
24,000	24,000	ASUH24LPAS	1484.00
30,000	30,000	ASUH30LPAS	1700.66

Outdoor Units

SEER/EER	HSPF	HEATING	STOCK NO	EACH
R410A • 208-230 V • 1 Phase				
20.0/12.5	11.0	5 - 75°F	AOUH09LPAS1	832.34
20.0/11.0	11.0	5 - 75°F	AOUH12LPAS1	895.09
20.0/12.0	11.0	5 - 75°F	AOUH18LPAS1	1453.88
18.0/9.8	11.0	5 - 75°F	AOUH30LPAS1	2550.57
18.0/8.1	11.0	5 - 75°F	AOUH36LPAS1	3400.49

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Mini-Split Thermostat Wire

DESCRIPTION	STOCK NO	EACH
14 Gauge • Mini-Split Tray Cable • 600v		
14/4 50' coil	.50MINSPWI	88.95
14/4 250' coil	.250MINSPWI	434.17

See page 901 for Wi-Fi Thermostat

See Fujitsu Catalog for complete line set chart for Multi-Zone

See page 629 for Wall Bracket

Fujitsu Line Set Chart	
Indoor Unit	Line Set Size
7,000 BTU	1/4" x 3/8"
9,000 BTU	1/4" x 3/8"
12,000 BTU	1/4" x 3/8"
14,000 BTU	3/8" x 5/8"
18,000 BTU	3/8" x 5/8"
22,000 BTU	3/8" x 5/8"
24,000 BTU	3/8" x 5/8"
30,000 BTU	3/8" x 5/8"
33,000 BTU	3/8" x 5/8"
Floor 14,200 BTU	1/4" x 1/2"
Cassett 18,000 BTU	1/4" x 1/2"
Slim Duct 18,000 BTU	1/4" x 1/2"
LPAS 18,000 BTU	1/4" x 1/2"
LPAS 24,000 BTU	1/4" x 1/2"

Halcyon™ Wall Mounted Entry Level Units 115v



(Actual equipment appearance may vary)

Indoor Units

Wireless Controller Included • Washable Panel Filter

COOLING BTU/HR	NOM. HEATING BTU/HR	STOCK NO	EACH
9,000	10,000	ASU9RL2	617.36
12,000	14,000	ASU12RL2	665.04

Outdoor Units

SEER/EER	HSPF	HEATING	STOCK NO	EACH
R410A • 115V • 1 Phase				
16.0/10.9	9.0	15 - 75°F	AOU9RL2	926.03
16.0/10.0	9.0	15 - 75°F	AOU12RL2	996.30

Mini-Split Line Sets (25a)



Duraguard UV Solar Resistant Linesets

1/2" polyethylene wall • R-410A engineered
Meets ASTM E 84 25/50, 2012/2015 IECC
(Res. + Comm.), ASTM G153, UL 94 (fire stop)

SIZE	STOCK NO	EACH
1/4" x 164'	.14X164SLOUV	506.33
3/8" x 164'	.38X164SLOUV	728.37
1/2" x 164'	.12X164SLOUV	973.54
5/8" x 164'	.58X164SLOUV	1234.41



(25A)

Mini-Split UV Insulated Linesets - Plain Ends

Both lines are insulated with 1/2" elastomeric insulation.

LIQUID LINE	SUCTION LINE	INSULATION	LENGTH	STOCK NO	EACH
1/4"	1/2"	1/2"	25'	1412X2512MS	258.63
1/4"	1/2"	1/2"	50'	1412X5012MS	473.03
1/4"	3/8"	1/2"	25'	1438X2512MS	250.20
1/4"	3/8"	1/2"	50'	1438X5012MS	457.74
1/4"	5/8"	1/2"	25'	1458X2512MS	305.30
1/4"	5/8"	1/2"	50'	1458X5012MS	533.45
3/8"	5/8"	1/2"	25'	3858X2512MS	297.18
3/8"	5/8"	1/2"	50'	3858X5012MS	536.64

Fujitsu Single Zone Units (330b)

www.fujitsu-general.com/us

(330C)

Halcyon™ Wall Mounted Extra Low Temp Heating Units

Powerful Heating Down to -15°F Outdoor Temperatures
Heating capacity at low outdoor temperatures was improved by adopting a large heat exchanger and a high capacity compressor. Rated heating capacity is maintained up to 20°F. This new model can operate down to -15°F.



(Actual equipment appearance may vary)

Indoor Units

Wireless Controller Included • Powerful Heating

COOLING BTU/HR	NOM. HEATING BTU/HR	STOCK NO	EACH
9,000	12,000	ASUG09LZBS	969.53
12,000	16,000	ASUG12LZBS	1067.40
14,500	18,000	ASUG15LZBS	1150.24
18,000	21,600	ASU18RLF	1474.79
22,000	25,200	ASU24RLF	1571.00

Outdoor Units

R410A • 208-230 V • 1 Phase

SEER/EER	HSPF	HEATING	STOCK NO	EACH
33.1/18.0	14.0	-15 - 75°F	AOUG09LZAH1	1776.79
29.4/15.2	13.8	-15 - 75°F	AOUG12LZAH1	1939.07
20.0/13.3	10.4	-15 - 75°F	AOU18RLXFWH	2499.54

(24)

Mighty Bracket



Mini-split installation support tool
- Allows single person installation
- Simple clip on support
- Does not damage walls
- Use on most brands of mini-splits
- Folds for easy storage and includes tote bag

LOAD CAPACITY	STOCK NO	EACH
300 lbs	RE97705	301.66

FUJITSU

Halcyon

Halcyon™ Compact Cassette Units or Slim Duct Units

High durability of indoor unit is achieved by using HCRC (High Corrosion Resistant Copper) for the indoor unit heat exchanger. Through accelerated lab tests, testing has proven to show that HCRC (High Corrosion Resistant Copper) is resilient and stronger than the standard and Oxygen-Free Copper when exposed to corrosive environments.



(Actual equipment appearance may vary)

Compact Cassette Indoor Units

Controller NOT Included • 2-Stage Turbo Fan

COOLING BTU/HR	NOM. HEATING BTU/HR	STOCK NO	EACH
12,000	16,000	ACUH12LUAS1	1223.01

Slim Duct Indoor Units

Controller NOT Included • 4-Way Auto Louver

COOLING BTU/HR	NOM. HEATING BTU/HR	STOCK NO	EACH
9,000	12,000	ADUH09LUAS1	1207.94
12,000	16,000	ADUH12LUAS1	1289.93

Outdoor Units

R410A • 208-230 V • 1 Phase

SEER/EER	HSPF	HEATING	STOCK NO	EACH
20-22.5/13.6	11.7-12.5	-5 - 75°F	AOUH09LUAS1	1476.47
20.2-22.1/12.8	11.5-12.2	-5 - 75°F	AOUH12LUAS1	1656.33

(24)

Aspen Pumps Mini White Silent+ condensate pump



The Silent+ ultra slim pumps is designed to mount discreetly, in the shadow line, below a high wall unit. The pump speed adjusts with the flow rate to provide quiet operation and optimum performance.
- Ultra quiet operation
- Low profile design allows installation above a door
- Reversible position on the left or right for installation flexibility
- Capacitance technology for soft start and variable flow rate

STOCK NO	EACH
RE83930	249.68

Fujitsu Multi Zone Units (330b)

www.fujitsu-general.com/us

Indoor Units



Wall Mount Indoor Units

Wireless Controller Included • Washable Panel Filter

COOLING BTU/HR	NOM. HEATING BTU/HR	STOCK NO	EACH
7,000	8,100	ASUH07LPAS	763.75
9,000	10,000	ASUH09LPAS	785.50
12,000	14,000	ASUH12LPAS	845.73
14,000	16,300	ASUH15LPAS	988.78
18,000	18,000	ASUH18LPAS	1373.58
24,000	24,000	ASUH24LPAS	1484.00

Halcyon™ Floor Mount Heat Pumps

Floor mount systems are ideal for residential radiator replacements or any room with limited upper wall space, like a kitchen or sunroom. These systems are extremely energy efficient and reach ENERGY STAR®'s Most Efficient status. Single zone floor mount heat pumps feature twin airflow for improved heat delivery and come standard with a designer remote control.



(Actual equipment appearance may vary)

Indoor Units

Wireless Controller Included • 2-Fan and Wide Airflow

COOLING BTU/HR	NOM. HEATING BTU/HR	STOCK NO	EACH
9,000	12,000	AGU9RLF	1268.18
12,000	16,000	AGU12RLF	1383.62
14,200	18,000	AGU15RLF	1482.33

Halcyon™ Compact Cassette Units or Slim Duct Units

High durability of indoor unit is achieved by using HCRC (High Corrosion Resistant Copper) for the indoor unit heat exchanger. Through accelerated lab tests, testing has proven to show that HCRC (High Corrosion Resistant Copper) is resilient and stronger than the standard and Oxygen-Free Copper when exposed to corrosive environments.



(Actual equipment appearance may vary)

Compact Cassette Indoor Units

Controller NOT Included • 2-Stage Turbo Fan

COOLING BTU/HR	NOM. HEATING BTU/HR	STOCK NO	EACH
12,000	16,000	ACUH12LUAS1	1223.01

Slim Duct Indoor Units

Controller NOT Included • 4-Way Auto Louver

COOLING BTU/HR	NOM. HEATING BTU/HR	STOCK NO	EACH
9,000	12,000	ADUH09LUAS1	1207.94
12,000	16,000	ADUH12LUAS1	1289.93
18,000	21,600	ADUH18LUAS1	1703.17

Outdoor Units

(Actual equipment appearance may vary)



Halcyon™ Hybrid Flex Inverter or Extra Low Temperature Heating

Connect 2 to 5 indoor units, depending on the outdoor unit selected. These systems provide both heating and cooling for year-round comfort. Choose from four indoor unit styles - wall mounted, floor mounted, cassette and slim duct - to best match your decor. Create the right combinations, the right quantity, the right style indoor units, and the right capacity.

Hybrid Flex Inverter Outdoor Units

R410A • 208-230 V • 1 Phase • Heating Range 5 - 75°F

MAX CURCUIT BREAKER	COOLING RANGE	HEATING RANGE	STOCK NO	EACH
2 Port Units				
15 Amps	14 - 115°F	5 - 75°F	AOU18RLXFZ	2419.24
2 - 3 Port Units				
20 Amps	14 - 115°F	5 - 75°F	AOU24RLXFZ	2746.32
2 - 4 Port Units				
30 Amps	14 - 115°F	5 - 75°F	AOU36RLXFZ1	4262.11
2 - 5 Port Units				
30 Amps	14 - 115°F	5 - 75°F	AOU45RLXFZ	5050.12

(330c)

Extra Low Temperature Heating Units

R410A • 208-230 V • 1 Phase • Heating Range -15 - 75°F

MAX CURCUIT BREAKER	COOLING RANGE	HEATING RANGE	STOCK NO	EACH
2 Port Units				
20 Amps	14 - 115°F	-15 - 75°F	AOU18RLXFZH	3377.07
2 - 3 Port Units				
30 Amps	14 - 115°F	-15 - 75°F	AOU24RLXFZH	3976.02
2 - 4 Port Units				
40 Amps	14 - 115°F	-15 - 75°F	AOU36RLXFZH	5523.59

(330d)

Accessories

DESCRIPTION	STOCK NO	EACH
Simple Remote Wired Controller For Duct/Cassette Units	UTYRSRY	212.75
Communication Kit	UTYWIFI	4.13
WiFi Interface Module	UTYTFNXZ2	154.91
Third Party Thermostat Converter Kit	UTYTTRX	214.81



UTYRSRY UTYTFNXZ2



UTYTTRX

Ceiling Cassette Grill

STOCK NO	EACH
UTGCCGFGA	289.44

Adapter Kits

DESCRIPTION	STOCK NO	EACH
Allows two 18K indoor units to AOU36RLXFZ1	UTPMU36A2	53.70
For ASUH24LPAS Multi-zone Combos	UTPMU45A2	53.70

Air Conditioner Parts & Accessories

sanyohvac.com

(27)

Diversitech Brackets

for Air-Conditioners & Heat Pump.
Powder coated gray finish.



SIZE	STOCK NO	EACH
36"	ACB36	160.27
42"	ACB42	145.42
48"	ACB48	186.46

(24)

Rectorseal Wall Brackets

- Sliding cross bar
- Includes level for convenience
- Width 3" - 30" for 300 lbs Capacity
- Width 9¾" - 31" for 500 lbs Capacity
- Depth 10½" - 16"



LOAD CAPACITY	STOCK NO	EACH
300 lbs (powdercoat steel)	RE87733	148.41
500 lbs (powdercoat steel)	RE87735	224.80

(27)

Room-to-Room Ventilator

75 CFM • 1800 RPM



STOCK NO	EACH
TJAS1	285.78

Slimduct Line Set Cover (24)

Installation Kit



Features

- SD100 3.75" Wall Duct Kit includes 5 fittings to cover up to a 13-ft lineset run with a 3.75" duct.
- Weather resistant PVC, UV stabilized & fire resistant. Tested to over 2,000 hours. Temperature range -4°F to 140° F
- Complements any residential or commercial building.
- 78" duct lengths and 15 fittings ensure complete flexibility of installation
- 1 year warranty

SIZE	STOCK NO	EACH
3¾" White	RE85105	367.81

Components



SIZE	STOCK NO	EACH
3¾" x 78" Slimduct length		
SD100 White	RE85104	94.68
3¾" x 31" Flexable Elbow		
SD100 White	RE86108	40.00
3¾" Coupling • Joining 2 lengths together		
SD100 White	RE86110	19.01
3¾" Wall Inlet		
SD100 White	RE86116	53.88
3¾" 90° Flat Elbow		
SD100 White	RE86111	48.60
3¾" Soffit Inlet		
SD100 White	RE86114	41.89
3¾" 90° Vertical Elbow		
SD100 White	RE86102	49.52
3¾" End Fitting		
SD100 White	RE86107	23.84

(25)

Little Giant EC-1-DV Condensation Pump

Dual Voltage 110 - 240V

- 21 dB(A)*
- 2.5 gph @ 1 ft (9.5 lph) flow
- 33 ft (10 m) shut-off (max. recommended)
- Hall effect switching
- Large inlet filter
- Multi-size hose drain adapter fits all popular drain hose connectors



STOCK NO	EACH
EC1DV	264.96

(39)

Heat Pump Stands

Supreme Stands for HVAC Equipment

- Powder coat finish
- Rust resistant
- Stackable for space
- Hardware included for MI stands

Adjustable top plates for MI stands others are reversible.

DIMENSIONS	CAPACITY	FITS PAD SIZE	STOCK NO	EACH
16" x 27" x 12" H	400lb	36" x 24"	MISPST	211.68
18" x 32" x 18" H	500lb	30" x 40"	MIN1832T	267.84
23" x 35" x 10" H	500lb	30" x 40"	MIN2335	270.00
18" x 32" x 10" H	500lb	24" x 36"	MIN1832	226.80
19⅝" or 22½" x 10" H	2,000lb	24" x 24"	HPS1923	239.76
28⅝" or 32⅝" x 10" H	2,000lb	36" x 36"	LEN2828	259.20

Samsung Mini-Split (39)

Wind-Free™ 3.0 Series

Wind-Free™ cooling technology maintains the desired temperature and eliminates cold drafts by delivering air through micro holes on the unit's louver and fascia panel when the louver is closed, producing a dispersed and gentle flow of air defined as "still air." Built-in motion sensor for airflow direction control and energy saving operation. Warranty 10 year Compressor and 10 year parts and 1 year limited labor after registration.



Wind-Free 3.0 Indoor Units

R410A • 208-230 V • Wireless Controller Included

COOLING BTU/HR	HEATING BTU/HR	STOCK NO	EACH
9,000	11,000	AR09CSDABWKNCV	687.76
12,000	12,000	AR12CSDABWKNCV	802.24
18,000	20,000	AR18CSDABWKNCV	1146.06
21,000	25,000	AR24CSDADWKNCV	1297.97



(Actual equipment appearance may vary)

Max Heat 3.0 Outdoor Units

208/230V • Stand or Wall bracket sold separatley

SEER2/EER2	HSPF2	HEATING	STOCK NO	EACH
24.5/15.5	10.5	-22 - 75°F	AR09CSDACWKXCV	1488.32
23.0/13.5	10.5	-22 - 75°F	AR12CSDACWKXCV	1594.05
21.0/13.15	8.5	-22 - 75°F	AR18CSDAEWKXCV	2181.75
20.0/12.5	9.2	-22 - 75°F	AR24CSDAEWKXCV	2391.17

Wind Baffles

SIZE	STOCK NO	EACH
Front	WBF3M	252.38
Back	WBB5M	259.35
Back	WBB6MB	370.85

Samsung Single Zone Units (39)

samsunghvac.com

WindFree™ 3.0e Series
Wall Mounted Heat Pump Units

FEATURES:
- Available capacities: 9K, 12K, 18K, and 24K Btu/h
- Wi-Fi enabled allowing voice control with Bixby 2.0^ and monitoring via Samsung's SmartThings app.
- Our new indoor unit design incorporates more interlocking components in place of threaded fasteners to reduce the time and effort it takes to install and service a system.
- Warranty 10 year Product Registration Required. Conditions Apply.



Indoor Units
R410A • 208-230 V • Wireless Controller Included

COOLING BTU/HR	HEATING BTU/HR	STOCK NO	EACH
9,000	11,000	AR09CSFCMWKNCV	552.38
12,000	12,000	AR12CSFCMWKNCV	576.14
18,000	21,000	AR18CSFCMWKNCV	750.87
22,000	24,000	AR24CSFCMWKNCV	894.90



(Actual equipment appearance may vary)

Outdoor Units
208/230V • Stand or Wall bracket sold separatley

SEER/EER	HSPF2	HEATING	STOCK NO	EACH
20.0/13.0	8.3	-5 - 75°F	AR09CSFCMWKXCV	802.33
20.0/12.0	8.3	-5 - 75°F	AR12CSFCMWKXCV	839.04
18.7/11.0	8.0	-5 - 75°F	AR18CSFCMWKXCV	1091.33
18.0/10.5	8.0	-5 - 75°F	AR24CSFCMWKXCV	1301.09

(31)
Mini-Split Thermostat Wire



DESCRIPTION	STOCK NO	EACH
16 Gauge • Plenum Rated • Shielded		
16/2 250' coil	250THWI162S	133.11
16/2 1000' coil	1000THWI162S	532.43
14 Gauge • EZ-IN Shielded Mini-Split Cable • 600v		
14/4 50' coil	50EZIN	224.20
14/4 250' coil	250EZIN	891.95

See page 629 for Line Sets

See page 901 for Wi-Fi Thermostat

(24)
Mighty Bracket
Mini-split installation support tool
- Allows single person installation
- Simple clip on support
- Does not damage walls
- Use on most brands of mini-splits
- Folds for easy storage and includes tote bag



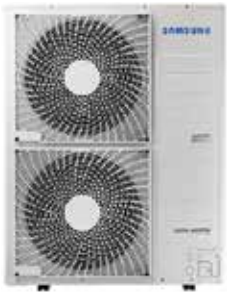
LOAD CAPACITY	STOCK NO	EACH
300 lbs	RE97705	301.66

Premium Series
High-Wall Heat Pump Units

FEATURES:
- R-32 refrigerant reduces carbon emissions
- SmartThings app to remotely adjust temperatures
- 10 year Warranty, Product Registration Required. Conditions Apply.

NEW ITEM





Indoor Unit
R-32 • Wireless controller included & washable, (HD) main filter included

COOLING BTU/HR	HEATING BTU/HR	STOCK NO	EACH
36,000	40,000	AR36DXFUMGMNCV	2027.86

Outdoor Unit
208/230V • Stand or Wall bracket sold separatley

SEER2/EER2	HSPF2	HEATING	STOCK NO	EACH
20.0/12.0	9.0	-4 to 122°F	AR36DXFUMGMXCV	3336.58

-40° Series
Low Ambient, Cooling-Only Units

FEATURES:
- Low ambient cooling to -40°F with front and back wind baffles
- Supplies power to indoor unit via 14 AWG X 3 power wire
- Auto-restart after power loss
- Snow accumulation prevention option setting
- SmartThings app to operate unit from almost anywhere
- Digital indoor unit addressing and option settings
- Night time quiet mode option for outdoor unit
- Warranty includes 7 year compressor, 5 year parts



Indoor Units
R410A • Wireless control included; wired must be purchased separately

NOMINAL CAPACITY BTU/HR	STOCK NO	EACH
18,000	AC018BNADCHAA	1139.24
24,000	AC024BNADCHAA	1385.36
30,000	AC030BNTDCHAA	1624.58
36,000	AC036BNTDCHAA	1783.43



Outdoor Units
208/230V • Stand or Wall bracket sold separatley

SEER	EER	CAPACITY RANGE BTU/HR	STOCK NO	EACH
20.5	12.00	4,000 - 20,000	AC018BXSCCCAA	1901.91
19.0	9.60	6,000 - 27,000	AC024BXSCCCAA	2270.69
19.7	10.20	8,500 - 35,000	AC030BXSCCCAA	3020.56
18.0	8.10	10,000 - 38,000	AC036BXSCCCAA	3419.09

Wind Baffles
For select Samsung Outdoor Units:
Front: -40 AC024, -40 AC030, -40 AC036, & FJM AJ036
Back: -40 AC030, -40 AC036, & FJM AJ036

DESCRIPTION	STOCK NO	EACH
Front	WBF2M	363.04
Back	WBB3M	500.92

Samsung Multi Zone Heat Pumps (39)

samsunghvac.com

FJM Fascia Panel ONLY



- 24⅜ x 24⅜ x 2⁹⁄₁₆ (L x W x H) inches
- Electro-static, washable, pleated filters

For Use with Samsung Ceiling Units

STOCK NO	EACH
PC4SUSMC	312.53

Quantum 2.0 Series Wall Mounted Heat Pumps

FEATURES:

- Wi-Fi enabled for control and monitoring via Samsung's SmartThings app.
- Our new indoor unit design incorporates more interlocking components in place of threaded fasteners.
- Warranty 10 year Compressor and 10 year parts and 1 year limited labor after registration



Indoor Units

R410A • 208-230 V • Wireless Controller Included

COOLING BTU/HR	HEATING BTU/HR	STOCK NO	EACH
9,000	11,000	AR09TSFYBWKNCV	481.44
12,000	12,000	AR12TSFYBWKNCV	502.14
22,000	24,000	AR24TSFYBWKNCV	779.96

FJM/WindFree™ 3.0e Series Wall Mounted Heat Pumps

FEATURES:

- Wi-Fi enabled allowing voice control with Bixby 2.0^ and monitoring via Samsung's SmartThings app.
- Our new indoor unit design incorporates more interlocking components in place of threaded fasteners.
- Warranty 10 year Product Registration Required. Conditions Apply.



Indoor Units

R410A • 208-230 V • Wireless Controller Included

COOLING BTU/HR	HEATING BTU/HR	STOCK NO	EACH
7,000	7,500	AR07CSFCMWKNCV	542.51
9,000	11,000	AR09CSFCMWKNCV	552.38
12,000	12,000	AR12CSFCMWKNCV	576.14
18,000	21,000	AR18CSFCMWKNCV	750.87
22,000	24,000	AR24CSFCMWKNCV	894.90

FJM Series Outdoor Heat Pump Condensing Units



FEATURES:

- Simplified connection to central control with direct connection to R1/R2 at the outdoor unit.
- Option settings allow system configuration as cooling or heating, cooling only, or heating only.
- "Home run" piping to each indoor unit
- Compatible with NASA communication protocol controllers
- Twin BLDC compressor for high efficiency, low noise, and vibration.
- One button auto addressing for simple setup when completing installation
- 10 Year compressor, 10 year parts, 1 year limited labor (registration required)

Outdoor Units

R410A • 208-230 V • Connects to two or more indoor units

SEER/EER	COOLING BTU/HR	HEATING BTU/HR	STOCK NO	EACH
2 Port Unit (Compatible with AR07 - AR12 Indoor Units)				
18-19.5/11.1-12.7	18,000	22,000	AJ020BXJ2CHAA	2279.50
3 Port Unit (Compatible with AR07 - AR12 Indoor Units)				
17-19/10.1-12.7	22,000	25,000	AJ024BXJ3CHAA	2589.83
4 Port Unit (Compatible with AR07 - AR18 Indoor Units)				
16.5-19.5/9.3-12.5	32,000	36,000	AJ036BXJ4CHAA	4018.31
5 Port Unit (Compatible with AR07 - AR24 Indoor Units)				
16-19.7/8.6-10.5	47,000	48,500	AJ048BXJ5CHAA	5016.22

Controls

Wireless Controller



- Can controll up to 4 indoor units
- Wide display and soft-touch buttons
- Includes holder to mount on wall

For Use with Samsung Ceiling Units & CAC -40° Indoor Series

STOCK NO	EACH
AREH04U	155.74

Mini-Split Line Sets (25a)

Duraguard UV Solar Resistant Linesets



½" polyethylene wall • R-410A engineered
Meets ASTM E 84 25/50, 2012/2015 IECC (Res. + Comm.), ASTM G153, UL 94 (fire stop)

SIZE	STOCK NO	EACH
¼" x 164'	14X164SLOUV	506.33
⅜" x 164'	38X164SLOUV	728.37
½" x 164'	12X164SLOUV	973.54
⅝" x 164'	58X164SLOUV	1234.41

SAMSUNG Line Set Chart	
Indoor Unit	Line Set Size
9,000 BTU	¼" x ⅜"
12,000 BTU	¼" x ⅜"
18,000 BTU	¼" x ½"
24,000 BTU	¼" x ⅝"
36,000 BTU	⅜" x ⅝"
-40° 30,000 BTU	⅜" x ⅝"
-40° 36,000 BTU	⅜" x ⅝"

Mini-Split UV Insulated Linesets - Plain Ends



Both lines are insulated with ½" elastomeric insulation.

LIQUID LINE	SUCTION LINE	INSULATION	LENGTH	STOCK NO	EACH
¼"	½"	½"	25'	1412X2512MS	258.63
¼"	½"	½"	50'	1412X5012MS	473.03
¼"	⅜"	½"	25'	1438X2512MS	250.20
¼"	⅜"	½"	50'	1438X5012MS	457.74
¼"	⅝"	½"	25'	1458X2512MS	305.30
¼"	⅝"	½"	50'	1458X5012MS	533.45
⅜"	⅝"	½"	25'	3858X2512MS	297.18
⅜"	⅝"	½"	50'	3858X5012MS	536.64

Max Heat FJM Series Outdoor Heat Pump Condensing Units



FEATURES:

- Snow Accumulation Prevention - When the temperature is below 41°F (5°C), fans will operate every 30 minutes on idle outdoor units to prevent snow buildup.
- Base Pan Heater - In order to prevent refreezing of condensate water, a base pan heater is used with drain holes.
- Samsung's exclusive SmartThings app allows users to remotely regulate temperature, adjust settings, receive real-time updates about system performance and energy usage
- 10 Year Warranty (registration required & conditions apply)

Outdoor Units

R410A • 208-230 V • Connects to 2 to 4 indoor units

SEER2/EER2	COOLING BTU/HR	HEATING BTU/HR	STOCK NO	EACH
2 Port Unit (Compatible with AR07 - AR12 Indoor Units)				
23.0/15.0	21,000	22,000	AJ020CXS3CHAA	3304.58
3 Port Unit (Compatible with AR07 - AR12 Indoor Units)				
23.0/14.5	25,000	25,000	AJ024CXS4CHAA	3807.20
4 Port Unit (Compatible with AR07 - AR18 Indoor Units)				
22.5/13.5	28,400	28,600	AJ030CXS4CHAA	4021.80
5 Port Unit (Compatible with AR07 - AR24 Indoor Units)				
21.5/8.6-10.5	34,000	36,600	AJ036CXS4CHAA	4771.69

Samsung Multi Zone Heat Pumps

samsunghvac.com



Console Indoor Units

R32, Heat Pump

STD. COOLING BTU/HR	STD. HEATING BTU/HR	STOCK NO	EACH
9,000	10,000	AC009DNJDCGAA	798.35
10,200	13,000	AC012DNJDCGAA	1163.93
16,000	19,000	AC018DNJDCGAA	1359.11



Cassette Indoor Units

R32, Heat Pump

STD. COOLING BTU/HR	STD. HEATING BTU/HR	STOCK NO	EACH
9,000	12,000	AC009DNNDCGAA	1095.93
12,000	14,000	AC012DNNDCGAA	1127.93
17,500	20,000	AC018DNNDCGAA	1587.90

Fascia Panel

STOCK NO	EACH
PC4SUFMUNW	571.75



Slim Duct Indoor Units

R32, Heat Pump

STD. COOLING BTU/HR	STD. HEATING BTU/HR	STOCK NO	EACH
9,000	12,000	AC009DNLDCGAA	1141.52
12,000	14,000	AC012DNLDCGAA	1193.52
17,500	20,000	AC018DNLDCGAA	1493.51



NOTE: UNIT APPEARANCE MAY VARY SLIGHTLY



NOTE: UNIT APPEARANCE MAY VARY SLIGHTLY

Outdoor Units

208/230V • Stand or Wall bracket sold separatley

SEER/EER2	HSPF2	HEATING	STOCK NO	EACH
21.0/12.2	9.5	-13 - 75°F	AC012DXSCCGAA	2133.46
20.0/12.2	9.5	-13 - 75°F	AC018DXSCCGAA	3270.19

SAMSUNG

HeatStar Unit Heaters (335B)

heatstarbyenerco.com



Standard Sizes Garage & Unit Heaters

HeatStar Forced Air Natural Gas Unit Heater is efficient and effective convection heat for your garage or workshop for residential or commercial use.

Features:

- Ships as NG, Includes NG to LP Conversion Kit
- Spark Ignition Features Self-Diagnostic Control Module
- Includes Angle Brackets (2) for Ceiling Mount
- Category I Vertical; Category III Horizontal Venting
- ½" gas connection
- CSA Certified

TOTAL INPUT (BTU/HR)	HEATING AREA (SQ. FT)	CFM OUTPUT	TEMPERATURE RISE	NET WEIGHT (LBS)	FLUE SIZE	STOCK NO	EACH
50,000	1,250	750	45	56	4"	HSU50NG	1025.87
80,000	2,000	950	60	79	4"	HSU80NG	1209.47
125,000	3,125	1,150	60	108	4"	HSU125NG	2015.01



Big Boxx Sizes Garage & Unit Heaters

HeatStar Forced Air Natural Gas Unit Heater is efficient and effective convection heat for your garage or workshop for residential or commercial use.

Features:

- Spark Ignition Features Self-Diagnostic Control Module
- Includes Angle Brackets (2) for Ceiling Mount
- Category I Vertical; Category III Horizontal Venting
- ½" gas connection
- CSA Certified

Big Boxx Sizes will require LP Conversion Kits, See Below

TOTAL INPUT (BTU/HR)	HEATING AREA (SQ. FT)	FLUE SIZE	STOCK NO	EACH
150,000	NA	4"	HSU150NG	2288.12
200,000	6,700	4"	HSU200NG	2719.93
250,000	8,400	6"	HSU250NG	3128.44
300,000	10,000	6"	HSU300NG	3257.75
400,000	13,400	6"	HSU400NG	3930.19

(335C)

L.P. Conversion Kits

Big Boxx Sizes will require LP Conversion Kits

FOR MODEL NUMBERS	STOCK NO	EACH
HSU150NG Series	F163070	51.83
HSU200NG Series	F163071	55.53
HSU250NG Series	F163072	62.92
HSU300NG & HSU400NG Series	F163073	74.03

HEATSTAR

Power Vented Gas Fired Unit Heaters 82 - 83% TE Model UDX



Indoor, Low Static, Axial Fan Unit Heater for Residential, Commercial/Industrial Use.

Standard Equipment:

- Power Vented
- TCORE2® titanium stabilized aluminized steel heat exchanger
- Multi-try, direct spark ignition with time lockout
- Vibration/noise isolated fan and venter motors designed for low noise
- External status indicating LED that blinks if there is a problem
- 7-segment display board that shows fault code for troubleshooting
- Optional integrated downturn nozzle and integrated vertical louvers
- Sizes 30-400 certified for commercial/industrial heating applications
- Sizes 30-125 approved for use in residential garages and workshops

Stocked in natural gas.

MBTH INPUT	MBTH OUTPUT	FLUE SIZE(IN)	CFM	STOCK NO	EACH
30,000	24,600	4	456	UDX30N	1634.67
45,000	37,350	4	629	UDX45N	1700.61
60,000	49,800	4	769	UDX60N	1789.18
75,000	62,250	4	961	UDX75N	1878.74
105,000	87,150	4	1345	UDX100N	2148.40
120,000	99,600	4	1537	UDX125N	2418.06
150,000	124,500	5	1921	UDX150N	2574.54
300,000	249,000	6	3843	UDX300N	4266.29

(21)

LP Conversion Kits

STOCK NO	EACH
for UDAP/UDAS 30, 45	
RE269835	166.35
for UDAP 150, 175	
RE269838	192.02
for UDAP 200, 225, 250	
RE269839	167.34

(21)

LP Conversion Kits

STOCK NO	EACH
for UDX/UDZ 30 - 45	
RE1036536R	140.35
for UDX/UDZ 60 - 75	
RE1036537R	178.61
for UDX/UDZ 150 - 175	
RE1036539R	178.61
for UDX/UDZ 200 - 250	
RE1036540R	155.66

CC1 Separated Combustion Conversion Kits

SIZE	STOCK NO	EACH
30-125 BTU	RE1043105	102.30
150-400 BTU	RE1043106	102.30

Vent Caps

SIZE	STOCK NO	EACH
4"	RE111848	95.07
5"	RE111849	111.60
6"	RE111850	126.08

(21)

CK-99 Ceiling Brackets

For Use with UDAP/UDX 30-125

STOCK NO	EACH
RECK99	40.14

Flush Mount Quick Sling Bracket



For use up to 125M BTU

STOCK NO	EACH
QSWI3000	375.24

UDXC Universal, Gas-Fired Unit Heater

NEW ITEM



The TCORE2® titanium stabilized, aluminumized steel heat exchanger. The Reznor Robust™ design ensures durability and optimal performance.

Standard Features:

- All sizes are certified for industrial/commercial use. Models 55, 85, 110 are certified for residential applications such as workshops and garages
- Two-tone, scratch-resistant paint; clean, rounded corners and edges; hidden screws and fasteners provide a modern, stylish appearance
- Reznor Robust ™ design including TCORE2® titanium stabilized, aluminized steel heat exchanger
- Field convertible to use fresh air for combustion in dirty, dusty environments (separated combustion)
- Bright status light, hinged access door, and error code display on the control board enable easy service and maintenance
- Sealed control compartment houses all electrical components
- Vibration/noise isolated fan and venter motors designed for low noise operation
- Reliability built in and backed by industry-best warranty

Stocked in natural gas.

Required combustion air/vent system sold below.

BTUH INPUT	BTUH OUTPUT, HIGH FIRE	GAS CONNECTION/ VENT CONNECTION	CFM	STOCK NO	EACH
30,000	24,600	½"/4"	456	UDXC30N	1707.51
45,000	37,350	½"/4"	629	UDXC45N	1776.40
60,000	49,800	½"/4"	769	UDXC60N	1869.89
75,000	62,250	½"/4"	961	UDXC75N	1962.40
105,000	87,150	½"/4"	1345	UDXC100N	2217.13
120,000	99,600	½"/4"	1537	UDXC125N	2527.29
150,000	124,500	½"/5"	1921	UDXC150N	2690.67
175,000	145,250	½"/5"	2242	UDXC175N	3083.35
200,000	166,000	½"/5"	2562	UDXC200N	3208.33
225,000	186,750	¾"/5"	2882	UDXC225N	3586.25
250,000	207,500	¾"/5"	3202	UDXC250N	3727.96
300,000	249,000	¾"/6"	3843	UDXC300N	4459.19
350,000	290,500	¾"/6"	4483	UDXC350N	5237.65
400,000	332,000	¾"/6"	5123	UDXC400N	5448.25

Horizontal Vent Kits - CC6

STOCK NO	EACH
for UDZ & UDXC 30-125	
RE211762	507.38
for UDZ & UDXC 150-400	
RE211763	597.29
for UEAS	
RE221247	569.63

Vertical Vent Kits - CC2

STOCK NO	EACH
for UDZ & UDXC 30-125	
RE205895	541.49
for UDZ & UDXC 150-400	
RE205896	716.11
for UEAS	
RE221248	698.75

UDXC LP Conversion Kits

NEW ITEM

STOCK NO	EACH
for UDXC 30 - 45	
RE1043184R	75.28
for UDXC 60 - 75	
RE1043185R	75.28
for UDXC 100 - 125	
RE1043186R	75.28
for UDXC 150 - 175	
RE1043187R	75.28
for UDXC 200 - 250	
RE1043188R	75.28
for UDXC 300 - 400	
RE1043189R	75.28

(26)

Ceiling Brackets



For use up to 400 lbs.

STOCK NO	EACH
UH24UNV	297.20

Use with UH24UNV For:
Reznor UDX & UDZ Models 150 to 400,000 Btu's
HeatStar HSU Models 50 to 125,000 Btu's

STOCK NO	EACH
RANGLE	159.84

Tube Systems

2-Stage Standard Equipment
Burner housing assembly, hot rolled combustion tube with gasket, combustion air inlet collar, tubulators when required.
1/2" NPT Connection • 120VAC 60Hz 1A • 4" Tube Diameter



TA Series Infrared Heaters

Infrared Tube Packs
2-Stage • 120V 60Hz 1A

TUBE LENGTH (FT)	STOCK NO	EACH
10' (6' Baffle)	TH10	516.09
20' (12' Baffle)	TH20S	943.91
30' (12' Baffle)	TH30S	1301.89
Extension Pack		
30'	TX30S	1141.75

Infrared Burners
Natural Gas

BTUH INPUT	TYPE	STOCK NO	EACH
80,000	NG	TSA08N	1471.39
100,000	NG	TSA10N	1471.39
125,000	NG	TSA12N	1471.39
175,000	NG	TSA17N	1471.39
220,000	NG	TSA22N	1504.70

Model Nat. Gas	Heat Exchanger Length Minimum	Heat Exchanger Length Maximum	Baffle Length (ft.)
TA-80	20'	30'	12'
TA-100	20'	30'	12'
TA-125	30'	50'	12'
TA-150	40'	60'	6'
TA-175	50'	60'	
TA-205	60'	70'	
TA-220	60'	70'	

LP Conversion Kits
For TSA Series

BTUH INPUT	TYPE	STOCK NO	EACH
80,000	LP	CG096	28.25
100,000	LP	CG098	26.01
125,000	LP	CG100	29.67
175,000	LP	CG104	26.49
220,000	LP	CG108	26.49

80,000 btuH Models	
Unit	Components Needed
TSA08N-20ft.	TSA08N • TH20S
TSA08N-30ft.	TSA08N • TH30S
TSA08N-40ft.	TSA08N • TH10 • TX30S
125,000 btuH Models	
Unit	Components Needed
TSA12N-30ft.	TSA12N • TH30S
TSA12N-40ft.	TSA12N • TH10 • TX30S
TSA12N-50ft.	TSA12N • TH20S • TX30S

Note: Baffle NOT needed for 30' - 40' Heaters

GRT Series Garage Heater
Pre-assembled, ceiling hardware, gas flex connector, thermostat, 8' venting kit. 17.5" x 8" x 118"



BTUH	STOCK NO	EACH
45,000	GRT45N	2511.73
Accessories		
DESCRIPTION	STOCK NO	EACH
LP Conversion Kit	RG035	15.28
Vent Elbow Kit	RT017	55.19

UXR Series Infrared Heaters

Infrared Stainless Steel Tube Packs
Rugged High Efficiency Heater - Model UXR
Weather Resistant Electrical Compontents
1-Stage • 120V 60Hz 1A • ½" NPT Connection



TUBE LENGTH	STOCK NO	EACH
10	TH10SSTM	639.60
20	TH20SSTM	1166.78
30	TH30SSTM	1699.42
Extension Pack		
30	TX30SSTM	1610.98

Infrared Burners
Natural Gas • ½" NPT Connection

BTU/HR RATE	TYPE	MIN. LENGTH	MAX LENGTH	STOCK NO	EACH
80,000	NG	20 Foot	40 Foot*	UXR08NS	1744.62
125,000	NG	30 Foot	50 Foot	UXR12NS	1744.62

*Baffle NOT needed for 80,000 BTU 40 Foot Burner

Accessories (24)

Reflectors

DESCRIPTION	STOCK NO	EACH
Side reflector		
124" Reflector	CR019	76.76
Retainer Clip	CR035	9.45
Bracket	CR016	16.36
Top replacement reflector		
124" Reflector	CR001	154.10

"U" Tube Package

DESCRIPTION	STOCK NO	EACH
180°	CT080	308.02

(21)
Air Switch

MBTUH INPUT	STOCK NO	EACH
80-100	CE021	118.17
125	CE024	118.17

Elbow Package

DESCRIPTION	STOCK NO	EACH
90°	CT024	297.59

(21)
2-Stage Accessories

DESCRIPTION	STOCK NO	EACH
Gas Valve(40-125M)	CG066	384.83
Blower Assy(40-125M)	CE004	348.85

Aluminized Coupling

DESCRIPTION	STOCK NO	EACH
4"	CR010	43.93

(21)
Ignitor

DESCRIPTION	STOCK NO	EACH
Probe	CE002	33.49
Sensor	CE003	31.02

Aluminum Baffle Kits

DESCRIPTION	STOCK NO	EACH
6 foot	CT046	87.09
12 foot	CT047	153.81

Vent Terminal

DESCRIPTION	STOCK NO	EACH
4"	CT011	138.52

Tube/Reflector Hanger

STOCK NO	EACH
CR003	19.78

(18)
Uncoated Stainless Steel Corrugated Gas Appliance Connectors
Rated for Indoor & Outdoor use
1/2" I.D. (5/8" O.D.) With Fittings



LENGTH	STOCK NO	EACH
½" FIP x ½" MIP		
(•) 24"	DO30313224	31.91
(•) 36"	DO30313236	36.46
48"	DO30313248	46.48
¾" FIP x ¾" MIP		
(•) 18"	DO30414218	27.89
(•) 24"	DO30414224	31.91
(•) 36"	DO30414236	36.46
48"	DO30414248	46.48

(•)-Approved for use with Radiant Tube Heating Appliances when installed according to manufacturers instructions..



VPT Series - Positive Pressure

2-Stage, Gas-Fired, Tubular, Infrared Heater

BTUH INPUT	TYPE	STOCK NO	EACH
60,000	NG	VPT60	1626.66
80,000	NG	VPT80	1626.66
100,000	NG	VPT100	1626.66
125,000	NG	VPT125	1626.66
150,000	NG	VPT150	1626.66
Not certified to be used with LP			
170,000	NG	VPT170	1964.83

VPT Series LP Conversion Kits

Field conversion kits

BTUH INPUT	TYPE	STOCK NO	EACH
60,000	NG	RE1001412	207.20
80,000	NG	RE1001413	207.20
100,000	NG	RE1001414	207.20

Size	Pressure Drop (inches w.c.)	Gas Pressure Required at the Gas Valve			
		Natural Gas		Propane Gas	
		Minimum G	Maximum	Minimum	Maximum
60	0.05	5 in. w.c.	14 in. w.c.	11 in. w. c.	14 in. w.c.
80	0.05	5 in. w.c.	14 in. w.c.	11 in. w. c.	14 in. w.c.
100	0.10	5 in. w.c.	14 in. w.c.	11 in. w. c.	14 in. w.c.
125	0.15	5 in. w.c.	14 in. w.c.	11 in. w. c.	14 in. w.c.
150	0.20	5 in. w.c.	14 in. w.c.	11 in. w. c.	14 in. w.c.
170	0.40	7 in. w.c.	14 in. w.c.	NA	NA

VP Series - Tube Package

2-Stage, Gas-Fired, Tubular, Infrared Heater

LENGTH	# OF ROLLED STEEL	# OF CALCOAT	STOCK NO	EACH
20'	1	1	VPA Discontinued	
30'	2	1	VPB	1185.87
30'	1	2	VPC Discontinued	
20'	2	—	VPD Discontinued	
30'	3	—	VPE Discontinued	

VP Series Tube Package Matrix

To order modular components for easy stocking or replacement of lost/damaged components select burner boxes and tube packages individually. Tube packages can be ordered by model numbers.
The table below shows which tube packages, and burner inserts, should be ordered for various system lengths.

Burner insert option codes and quantity (in parenthesis) shown on rows marked "Inserts." in the table below.

VP Series Tube Package Matrix									
Natural Gas			60	80	100	125	150	170	200
System Length (ft)	20	Tube Pkg(s)	VP-A	—	—	—	—	—	—
		Inserts	TB1						
	30	Tube Pkg(s)	VP-b	VP-b	VP-b	VP-b	—	—	—
		Inserts	TB1	TB1	TB1	TB2			
	40	Tube Pkg(s)	VP-A, VP-d	VP-A, VP-d	VP-A, VP-d	VP-A, VP-d	VP-A, VP-d	—	—
		Inserts	TB1	TB1	TB1	TB2	—		
	50	Tube Pkg(s)	—	—	—	VP-A, VP-E	VP-A, VP-E	VP-C, VP-d	VP-C, VP-d
		Inserts				TB2	-	-	-
	60	Tube Pkg(s)	—	—	—	—	VP-C, VP-E	VP-C, VP-E	VP-C, VP-E
		Inserts					—	—	—
	70	Tube Pkg(s)	—	—	—	—	—	—	VP-C, (2) VP-d
		Inserts							—
	80	Tube Pkg(s)	—	—	—	—	—	—	—
		Inserts							

Optional Field Installed Accessories for VPT Series

5' Extension Tube

STOCK NO	EACH
VPH	227.53

End Cap Kit

Per Pair

STOCK NO	EACH
CD27	47.22

CCI Vent Cap

STOCK NO	EACH
RE120738	134.76

"L" Shaped Tube with Reflector

STOCK NO	EACH
VPL	167.75

"U" Shaped Tube with Reflector

STOCK NO	EACH
VPU	243.59

Combustion Air Inlet Adapter

STOCK NO	EACH
DE1	139.20

Burner Insert Only

Natural Gas, VP Series Tube Package

SIZE	STOCK NO	EACH
5 foot	TB1	111.16
3 foot	TB2	104.27



WarmFlo Select EM-WU Series
Upflow Duct Heaters
No Chip Needed • Universal Control • Everything Included

DUCT SIZE	STOCK NO	EACH
15x18”.	EMWU102S5SL1	2106.00
15x18".	EMWU153S5SL1	2451.60
15x18".	EMWU204S5SL1	2667.60
18x18”.	EMWU153S8SL1	2451.60
18x18".	EMWU204S8SL1	2667.60
18x18".	EMWU254S8SL1	3083.40

Model Number	Duct Size	Phase	kW
EMWU102S5SL1	15"x18"	1	10
EMWU153S5SL1	15"x18"	1	15
EMWU204S5SL1	15"x18"	1	20
EMWU153S8SL1	18"x18"	1	15
EMWU204S8SL1	18"x18"	1	20
EMWU254S8SL1	18"x18"	1	25

Not Compatible with 2-Stage Heat Pump



WarmFlo Select EM-WU Series 2-Stage Heat
Upflow Duct Heaters
No Chip Needed • Universal Control • Everything Included

DUCT SIZE	STOCK NO	EACH
15x18”.	EMWU102D5SL2	2451.60
15x18".	EMWU153D5SL2	2797.20
15x18".	EMWU204D5SL2	3013.20
18x18”.	EMWU153D8SL2	2797.20
18x18".	EMWU204D8SL2	3013.20
18x18".	EMWU254D8SL2	3429.00

WarmFlo Select EM-WD Series
Downflow 18" Duct Heater.
No Chip Needed • Universal Control • Everything Included

SIZE	STOCK NO	EACH
15kW.	EMWD153S5SL1	2527.20
15kW.	EMWD153S8SL1	2527.20
20kW	EMWD204S8SL1	2743.20



EH-U Series
Upflow Duct Heater
For Non-Heat pump applications ONLY • Everything Included

DUCT SIZE	STOCK NO	EACH
15x18".	EHU105	1555.20
15x18".	EHU155	1863.00
18x18".	EHU158	1863.00
15x18".	EHU205	2068.20
18x18".	EHU208	2068.20
18x18".	EHU258	2484.00

Model Number	Duct Size	Phase	kW
EHU-10-5	15"x18"	1	10
EHU-15-5	15"x18"	1	15
EHU-15-8	18"x18"	1	15
EHU-20-5	15"x18"	1	20
EHU-20-8	18"x18"	1	20
EHU-25-8	18"x18"	1	25



Electro-Mate® HeatChoice
Downflow 18" Plenum Heater.

SIZE	STOCK NO	EACH
15kW.	EHD158	1938.60
20kW	EHD208	2143.80



Packaged Make-Up Air Units
With Multi-Speed Control. 240v

SIZE	CFM	STOCK NO	EACH
5kW	350	EMMC05240108	3056.40
10kW	625	EMMD10240110	3461.40
15kW	1050	EMMF15240114	4622.40
20kW	1550	EMMG20240114	4951.80

Accessories

Model WF-EM3
Dual Fuel Interface
For Non-Heat Pump Systems

STOCK NO	EACH
WFEM3.	547.88

Model WF-LGR4
H/P T-Stat Interface

STOCK NO	EACH
WFLGR4.	812.59

Model WF-EZ3
4-Wire T-Stat Interface
For Heat Pump Sysytems

STOCK NO	EACH
WFEZ3	661.77

Model WF-DFHP1
Dual Fuel Heat Pump Control.
For heat pump & gas Furnaces with no plenum.

STOCK NO	EACH
WFDFHP1.	823.50

Model WF-ANZ7
WarmFlo Analyzer

STOCK NO	EACH
WFANZ7.	423.23

Model WF-HP2
2-Speed heat pump control with plenum heater.

STOCK NO	EACH
WFHP2.	1318.92

Packaged Make-Up Air Units Available afrom Manufacturer

Heat Recovery Ventilators



155 MAX 205 MAX 267 MAX

HRV Max Series

Features:
- Energy Star Rated
- High Efficiency Hex Core
- 5-Speed, 4-Mode Operation
- Factory Lifetime Core Warranty
- Recirculating Defrost
- Digital Control Included

WEIGHT	AIR FLOW HIGH	STOCK NO	PRICE
70 lb	132 CFM	155MAX	1428.00
70 lb	179 CFM	205MAX	1452.49
67 lb	267 CFM	267MAX	2121.61



RNC5-TPD 136 CFM | RNC 155 148 CFM | RNC 205 179 CFM

HRV RNC Series

Door Port Balancing & Adjustable Dampers
Excellent Low Temperature Performance
99-BC02 control box Sold Separately

HEIGHT	WIDTH	DEPTH	DEFROST	STOCK NO	EACH
5" Duct Top Port, Cross Flow Core					
17 1/4"	22 3/4"	14"	Recirculating	RNC5TPD	1316.95
3 select high-speed settings, HEX Core					
19"	33 2/3"	14 3/4"	Recirculating	RNC155	1248.16
Top Port, 3 select high-speed settings, HEX Core					
18 3/4"	33 5/8"	15"	Recirculating	RNC205	1287.47



METRO-120D | METRO 120 ERV-ECM, METRO 120 ERVD-ECM

Metro Series

- Slim Height of 9 3/4"
- Designed for Accessibility
- High Efficiency

WEIGHT	AIR FLOW HIGH	STOCK NO	PRICE
Horizontal mounting, HEX Core			
37 lb	127 CFM	METRO120D	1326.78
Horizontal mounting, ERV Core - ECM - Auto Balance			
57 lb	117 CFM	METRO120ERV	1351.35
Horizontal mounting, ERV Core - ECM - Cold Weather			
37 lb	114 CFM	METRO120ERVD	1429.97

For Additional ERV Units See Page 636

Heat Recovery System Accessories



(21)
Digital Electronic Timer

- Perfect for bath and kitchen ventilation control
- Touch pad for 20/40/60 minute operation
- A simple press activates high speed
- Timer turns off with a touch
- Indicator light display
- Compatible With MAX and RNC Series

STOCK NO	EACH
99DET01	53.41



(21)
Digital Wall Control

- LCD screen and slim-line design
- 5 speed fan settings and standby setting
- Electronic dehumidistat
- 20/40/60 high speed override button
- Connect to 3 wire 20 gauge low voltage wire
- Five selectable modes of operation

STOCK NO	EACH
99DXPL03	150.93



(21)
Basic Wall Control - BC02

- 2 speed fan setting (LOW / HIGH)
- Standby setting (fan OFF)
- Electronic Dehumidistat
- Connect to 3 wire 20 gauge low voltagewire

STOCK NO	EACH
99BC02	14.18

6" Flow Monitoring Station

STOCK NO	EACH
NU99152	146.75

6" Diameter Outside Weather Hood Kit

Carton contains 2 hoods, screens, decals, 12" sleeves and insulating duct collars.

STOCK NO	EACH
NU99186	91.77

(21)
Dual Hood 99-190

One Hood - Two Airflows.

STOCK NO	EACH
NU99190	290.25

HRV Foam Filter for Hex Core

2 Filter/Pair

MODEL/STOCK NO	EACH
6516112R	16.38

HRV Square Core Filter

2 Filter/Pair

MODEL/STOCK NO	EACH
6516012R	18.28



(21)
Wireless Timer

- Initiates high speed ventilation 20, 40, or 60 minutes
- Wireless timers have an estimated range of 40 Ft.
- Compatible with Repeater (99-RX02)
- Saves on installation time and cost
- Can be surface or E-box mounted
- Includes battery

STOCK NO	EACH
99DET02	71.98



(21)
Repeater

- Extends range of wireless timer
- Plugs into outlet

Compatible with 99DET02

STOCK NO	EACH
99RX02	71.98

Replacement Parts



Control Board for ControlAir-15 Models

5 speeds, on/off and standby switch, auto-defrost indicator, system test indicator, compact & modern

STOCK NO	EACH
NU99275	122.14

MA Fuse for Control Air-15 Board

STOCK NO	EACH
NU21123	1.21

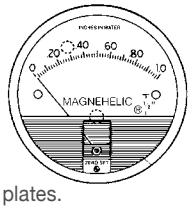
(21)
MAX Circuit Board Kit

STOCK NO	EACH
NU62244R	301.86

(21)
Electronis Upgrade Kit

STOCK NO	EACH
NU62214UPR	482.98

(27)
Dwyer Magnehelic Pressure Gauge



Measures fan and blower pressures, filter resistance air velocity, furnace draft, pressure drop across orifice plates.

Standard accessories:
- 2 - 1/8" NPT plug for duplicate pressure traps
- 2 - 1/8" pipe thread to rubber tubing adapters
- 3 - flush mounting adapters with screws

DESCRIPTION	STOCK NO	EACH
2002, 0-2.0" range	200202	162.76
A302, static pressure tip	A302	27.32

Lifebreath Equipment (31a)

lifebreath.com

Commercial Heat Recovery Ventilator



1200 FD Commercial HRV

Features:
- Can deliver up to 1200 CFM
- Automatic temperature controlled time cycle
- High efficiency PSC motors
- Fresh air is shut off to allow warm room air to defrost cores
- Low voltage remote circuit
- 3 speed control (low, medium, high)
- Washable air filters
- 68% recovery rate
- Easy to service
- Fan defrost
- 41½" x 29⅞" x 24⅝"

AIR FLOW (EA. STREAM) C. 5" E.S.P.	STOCK NO	PRICE
1050	1200FD	5431.93

700 DD Commercial HRV

Smaller version of 1200DD

Features:
- 700 CFM
- Damper defrost
- 28¾" x 29⅞" x 24⅝"

STOCK NO	EACH
700DD	4310.12

AprilAire ERV



V22BEC ERV

Features:
- 1.45 cfm/watt at high speed.
- 72% SRE can help improve overall home-energy performance and lower HERs score.
- Intermittent control with patented temperature and humidity lockouts available with 8120X control or AprilAire Thermostats on page 938.
- Mounting bracket & hardware included

WEIGHT	AIR FLOW	STOCK NO	PRICE
50 lb	120 CFM	APRILV22BEC	3205.68

Whole-House Ventilation Control System



Included:
- 8120X Ventilation Controller
- 6506 Damper
- 4010 24VAC Transformer
- 8052 Outdoor Temperature Sensor
- Duct Board Bracket for 8120X

Continuously monitors outdoor temperature and indoor humidity to make sure the air coming in isn't too hot, too cold or too humid

STOCK NO	PRICE
APRIL8126X	618.22

Clean Air Furnace Accessories

RSK Backdraft Damper

For 6" round duct work.

MODEL/STOCK NO	EACH
RSK6	30.69

LIFEBREATH Indoor Air Systems

Energy Recovery Ventilators



ERV Max Series

Features:
- AUTO BALANCING
- Damper recirculating defrost cycle
- Top port 6" oval duct
- Square ERV core
- Mirrored and/or Hard Wired configurations

WEIGHT	AIR FLOW HIGH	STOCK NO	PRICE
57 lb	278 CFM	267ERV	2073.71



180 EVRD-AB

Features:
- AUTO BALANCE
- Enthalpy Energy Exchange Core
- Top port design with built-in balancing dampers
- Intelligent defrost damper motor
- -25C HVI Cold Weather Certified ERV

WEIGHT	AIR FLOW HIGH	STOCK NO	PRICE
53 lb	186 CFM	180ERVD	1474.20

Turbulent Flow Precipitator Air Cleaner



Ultimate Air Cleaner

Model 3000HEPA
- Flow thru design utilizes two advanced cartridge collectors for optimum performance
- For specialty applications
- One TFP collector and one HEPA cartridge

STOCK NO	EACH
TFP3000HEPA	1079.64

Accessories

(21)

Replacement HEPA Filter

For TFP 3000 HEPA.

MODEL/STOCK NO	EACH
NU65502R	507.36

(21)

Replacement Collector

For TFP 3000 HEPA.

MODEL/STOCK NO	EACH
NU65503R	229.88

Healthy Home System Control



Home System Control
Programmable control for central system fan.

VOLTAGE	STOCK NO	EACH
24v	HHSCPLUS	253.57



Fresh Air Dampers
Power open/close

DUCT SIZE	STOCK NO	EACH
6"	FAD6	180.06
8"	FAD8	215.37

Ultraviolet Lamps



16" UV Lamp
120v with Safety Disconnect

MODEL/STOCK NO	EACH
16UVLAMP	272.35
UV 16" Replacement Bulb	
16UVBULB	97.40



Duo-2000 UV Lamp
With Photo-Reactive Oxidation
2-Stage Design, For 1.5-5 Ton Units

MODEL/STOCK NO	EACH
DUO2000	605.07
UVC 17½" Replacement Lamp	
DUOBULB	119.72



FlexMountUV Twin Lamp
With Photo-Reactive Oxidation
16⅓", 24v, For 1.5-5 Ton Units (2-Year life)

MODEL/STOCK NO	EACH
46630117	220.67
Twin Tube Replacement Lamp	
46632517	109.36

Media Air Cleaners



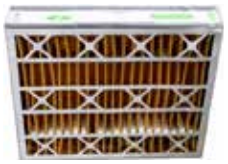
Media Air Cleaners
11 MERV rating

MEDIA SIZE	STOCK NO	EACH
16"x25"x5"	FC111625	170.05
20"x25"x5"	FC112025	172.26



Media Air Cleaners
Right Angle • 11 MERV rating

MEDIA SIZE	STOCK NO	EACH
20"x25"x5"	FCRA112000	253.13



Media Air Filters

MEDIA SIZE	STOCK NO	EACH
MERV 8		
16"x25"x5"	16255M8	29.51
20"x25"x5"	P520X25X5	35.57
MERV 11		
16"x25"x5"	16255M11	30.48
20"x25"x5"	91006	36.71



Media Air Filters
11 MERV rating
Adjustable Height

MEDIA SIZE	STOCK NO	EACH
16-20"x25"x5"	FLEX2	55.92
16-20"x25"x4"	FLEX4	55.92
16-20"x25"x4"	FLEX5	55.92



Trio 3-Stage Air Purification
With UV Light & Odor Removal
13 MERV rating.

SIZE	STOCK NO	EACH
Media Cleaner		
20"x25"x10"	TRIO2000	1073.41
Media Filter		
20"x25"x4"	TRIOFILTER	32.76
Replacement UV Lamp		
22"	TRIOUVLAMPS	164.62
Replacement UV Lamp & Filter Set		
22"	TRIO1000	119.08

Steam Humidifiers



Steam Humidifier
Compatible with all forced air heating systems

DESCRIPTION	STOCK NO	EACH
Less Humidistat		
16 Gallon, 120 Volt	S2000LH	1344.91
Includes Humidistat		
23 Gallon, 220 Volt.	S2020	1344.92



Anode
Sacrificial anode for the humidifiers
Will last one full season, while maintaining

STOCK NO	EACH
Z100	31.24



Under Duct Bracket

STOCK NO	EACH
UNDUBR	68.62



Air Proving Device
A split core current sensing relay
will monitor the on/off status of any blower motor

STOCK NO	EACH
AIPRDE	346.41

Humidifiers



Honeywell By Pass Flow Through Humidifier with Humidistat

- Uses warm air furnace blower to humidify the whole house humidification.
- Includes HumidiPRO Digital Humidity Control.

CAP.(GPD)	BYPASS/COVERAGE	STOCK NO	EACH
Gallons humidity delivered vs water wasted (1:4)			
12	*Small/1500sq.ft.*	*HE100A1000*	*319.45*
17	*Large/2000sq.ft.*	*HE200A1000*	*350.16*
Advanced Bypass reduces water wasted (1:2.8)			
12	*Small/1500sq.ft.*	*HE150A1005*	*478.80*
17	*Large/2000sq.ft.*	*HE250A1005*	*511.61*



Honeywell HE300 Powered Flow Through Humidifier

- Capable of humidifying up to 4,200 sq. ft.
- Includes HumidiPRO Digital Humidity Control.
- Gal. humidity delivered vs. water wasted (1:2)

TrueEASE Fan-Powered

CAPACITY (GAL PER DAY)	STOCK NO	EACH
18	*HE300A1005*	*642.92*

Replacement Humidifier Pads

For use with:
Honeywell - HE200,250,260,265,300,360 & 365
Aprilaire - 350,360,560,568,600,700,760 & 768

DESCRIPTION	STOCK NO	EACH
Standard	*HC26A1008*	*19.56*
Antimicrobial	*HC26E1004*	*34.29*

For use with:
Honeywell - HE100,150,220 & 225
Aprilaire - 110,220,550 & 558

FOR USE WITH	STOCK NO	EACH
Standard	*HC22A1007*	*13.88*
Antimicrobial	*HC22E1003*	*31.16*



Honeywell Electrode Humidifiers

- 11 GPD @ 120v OR 22 GPD @ 240v.
- Honeywell Thermostat options include
- Lyric, PrestigeIAQ, and VisionPRO

HumidiPRO Digital Humidity Control.

STOCK NO	EACH
HM750A1000	*1573.16*



Distribution Kit

15ft Insulated Steam Hose
Stainless Steel for HM750A1000

STOCK NO	EACH
HM750AHOSEKIT	*296.42*



Replacement Canister

For HM750A1000

STOCK NO	EACH
HM750ACYL	*153.32*

Honeywell Remote Mounting Kit

For use with Honeywell TrueSTEAM.

DESCRIPTION	STOCK NO	EACH
10'	*50024917001*	*201.59*
20'	*50024917002*	*338.00*

Honeywell In-Line Filter

For use with Honeywell TrueSTEAM.

DESCRIPTION	STOCK NO	EACH
In-Line Filter	*50028044001*	*99.13*



HumidiPRO

Digital Humidity Control
LESS Temperature Sensor

STOCK NO	EACH
H6062A1000	*136.39*

Dehumidifiers



Honeywell Ventilating Dehumidification System

Maintain proper humidity levels. 120V; 60Hz
Drain ¾" Female NPT with attached ¾" Male NPT.
Duct connections: 8" Round inlet/outlet for DR65
6" and 10" inlet and 10" outlet for DR90 and DR120

WATER REMOVAL PER DAY	STOCK NO	EACH
Up to 65 Pints	*DR65A3000*	*2379.06*
Up to 90 Pints.	*DR90A3000*	*3007.83*
Up to 120 Pints.	*DR120A3000*	*3869.73*

Honeywell Home from resideo

Reserved

Replacement Pads for Trion Humidifiers

(31a)

Evaporating Pads for G100 & G200

FOR	STOCK NO	EACH
G100	G1166	27.92
G200	G2066	29.54

Honeywell Home Air Cleaners



(31)

Honeywell F300E Electronic Air Cleaner

- Media post-filter provides enhanced filtration on select models.
- Solid state power supply is self-regulating and maintains peak efficiency during a wide range of cell dirt loading conditions.
- Low-profile door with test button to check system operation.
- Helps filter efficiency-robbing "gunk" before it coats critical system parts.
- Very low pressure drop.
- Exclusive 10-year Clean Coil Guarantee.
- Rugged zinc-coated, roll-formed cabinet provides strength and corrosion protection.

SIZE	CFM	STOCK NO	EACH
16" x 25"	1400	F300E1019	1267.58
20" x 25"	2000	F300E1035	1423.76

(31)

Replacement Filters

For use with Honeywell TrueCLEAN.

DESCRIPTION	STOCK NO	EACH
16" x 25"	FR8000F1625	209.29



Honeywell F100F Media Air Cleaner

- Captures particles as small as 0.3 microns from the air circulated through the high-efficiency pleated media filter.
- The Media Air Cleaner easily mounts in any position within the return air duct of any gas, oil, and electric forced warm air furnaces and to compressor cooling up to 5 tons.
- Additionally, it requires no electrical connections or maintainence beyond periodic media filter replacement.

SIZE	STOCK NO	EACH
16" x 20"	F100F1620	220.46
16" x 25"	F100F1625	220.46
20" x 25"	F100F2025	220.46

Replacement Media

For Honeywell F100F Series

SIZE	STOCK NO	EACH
MERV 11 • From Honeywell Home		
4½ x 16 x 25"	FC100A1029	56.20
4½ x 20 x 25"	FC100A1037	56.20
4 x 16 x 20"	FC100A1003	56.20
MERV 11 • From Field		
16"x25"x4⅜"	16254M11	29.05
20"x25"x4⅜"	20254M11	30.56

Honeywell Home UV Lamps



UV2400U1000 UV2400U5000

Honeywell UV2400U Ultra Violet Air Purifier

- Lamp is always on
- Replace lamp annually
- SnapLamp™ features replacement lamp handle with detachable replacement lamp

DESCRIPTION	STOCK NO	EACH
Single lamp	UV2400U1000	319.52
with AirBRIGHT Odor Absorption		
Single lamp	UV2400U5000	723.15
Replacement UV Lamps		
STOCK NO		**EACH**
UV2400BULB		139.37



Honeywell UV100E Ultra Violet Air Treatment Return Air

- Kills airborne bacteria.
- Single lamp unit has 70% kill rate, Dual lamp has 87% kill rate.
- UV lamp does not produce ozone.
- Easy maintenance and lamp replacement.
- Sealed unit protects against high voltage and ultra violet rays.

DESCRIPTION	STOCK NO	EACH
Single lamp	UV100E1043	624.11
Dual lamp	UV100E2009	998.28

Honeywell UV100E Replacement UV Lamps

FOR	STOCK NO	EACH
PRIOR to July 4, 2005		
UV100E1043	UC100E1006	168.72
UV100E2009	UC100E1030	187.47

Second Wind Replacement Parts

For best performance replace lamps every year.

Photo-Catalytic Replacment Bulbs

SIZE/FOR	STOCK NO	EACH
18"/All but portables	SW1076	120.84

Replacement Lamp for 1000KCS

STOCK NO	EACH
SW1068	89.77

16" Replacement Lamp

for UVS1036/2036

STOCK NO	EACH
LPPP0002	128.44

Photocatalytic Reactor Lamp

UV-A

STOCK NO	EACH
LPPP0052	128.44

16" Replacement Lamp

for UMX1036/2036

STOCK NO	EACH
UMX16URL	137.48

17" T3™ Replacement Lamp

for UVS, UMX 1900T/1902T/2036T3

STOCK NO	EACH
ASIH1003	128.44

VOC Titanium 16" Shield

STOCK NO	EACH
SMOH0014	188.51

Replacement Filters

for 2060003 Healthway

DESCRIPTION	STOCK NO	EACH
Main Filter	60500	201.18
Carbon/Zeolite Filter	50400	133.65

BreatheCLEAN



Ultraviolet Air Cleaner

- 2 Bulbs protrude 16" (or 9") into ductwork
- 253.7 nanometers
- 12 ft. cord

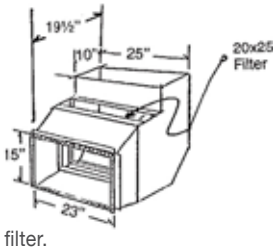
Size: 9¾" W x 2" H x 5¾" D

STOCK NO	EACH
7200100	321.13

16" Replacement Lamp

2-Bulb • 72watt • 253.79 Wavelength

STOCK NO	EACH
7900215	98.04



Shoe only (for Air Bear)

For 5" electrostatic filter.

STOCK NO	EACH
715HES	265.86

(31a)

Media Air Cleaner

Replacement Purolator Media for Electronic Air Cleaners "CUB"

SIZE	STOCK NO	EACH
3"x15 3/4"x24 1/4"	P120016X25X3	52.15



Disposable Polyester Air Filters

SIZE	STOCK NO	EACH
14x20x1	14X20X1FI	5.61
14x25x1	14X25X1FI	5.96
16x20x1	16X20X1FI	5.35
16x25x1	16X25X1FI	5.81
20x20x1	20X20X1FI	5.68
20x25x1	20X25X1FI	6.51
25x25x1	25X25X1FI	9.64
16x20x2	16X20X2FI	6.95
16x25x2	16X25X2FI	6.76
20x20x2	20X20X2FI	6.91
20x25x2	20X25X2FI	7.75



Pleated HE 40 Air Filters

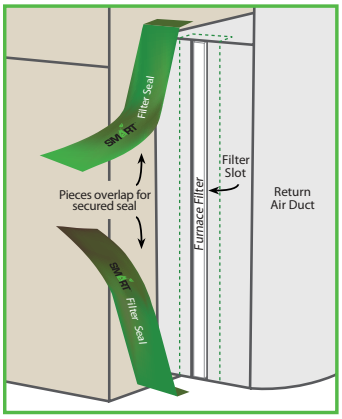
SIZE	STOCK NO	EACH
12X24X1	12X24X1PLFI	8.96
14X20X1	14X20X1PLFI	8.06
14X25X1	14X25X1PLFI	8.71
14X30X1	14X30X1PLFI	13.31
16X20X1	16X20X1PLFI	8.23
16X24X1	16X24X1PLFI	9.88
16X25X1	16X25X1PLFI	9.18
16X26X1	16X26X1PLFI	20.75
16X28X1	16X28X1PLFI	20.75
18X18X1	18X18X1PLFI	11.77
18X20X1	18X20X1PLFI	11.57
18X25X1	18X25X1PLFI	12.72
20X20X1	20X20X1PLFI	8.93
20X25X1	20X25X1PLFI	10.43
20X30X1	20X30X1PLFI	14.68
24X24X1	24X24X1PLFI	11.55
24X30X1	24X30X1PLFI	17.63
12X24X2	12X24X2PLFI	9.15
14X20X2	14X20X2PLFI	9.46
14X25X2	14X25X2PLFI	10.61
16X16X2	16X16X2PLFI	9.95
16X24X2	16X24X2PLFI	10.78
16X20X2	16X20X2PLFI	8.08
16X25X2	16X25X2PLFI	8.98
16X30X2	16X30X2PLFI	25.35
18X18X2	18X18X2PLFI	10.76
18X24X2	18X24X2PLFI	11.68
20X20X2	20X20X2PLFI	9.18
20X24X2	20X24X2PLFI	11.99
20X25X2	20X25X2PLFI	10.69
20X30X2	20X30X2PLFI	17.10
24X24X2	24X24X2PLFI	12.06
24X30X2	24X30X2PLFI	37.85
25X25X2	25X25X2PLFI	14.77
16X20X4	16X20X4PLFI	16.77
16X25X4	16X25X4PLFI	17.78
20X20X4	20X20X4PLFI	17.78
20X25X4	20X25X4PLFI	20.18
24X24X4	24X24X4PLFI	21.61



Purolator Key Pleat Air Filters

Standard-Capacity MERV 8, MERV-A 8-A

SIZE	STOCK NO	EACH
16x20x2	16X20X2KEYPL	6.16
16x25x2	16X25X2KEYPL	6.95
20x20x2	20X20X2KEYPL	7.04
20x24x2	20X24X2KEYPL	10.43
20x25x2	20X25X2KEYPL	8.36
24x24x2	24X24X2KEYPL	9.50



Smart Filter Seal

SMART air & energy solutions

Prevents unconditioned air from bypassing filter.
Fits up to 25" filter slot opening.

STOCK NO	EACH
SMFISE	12.21

Broan Exhaust Fans and Accessories (27)

broan.com



Economy Bath Fan

- Molded plastic impellers, two-pole motor, 7¼" x 7½" x 3⅝" housing for ceiling or wall
- Torsion springs plastic grille mounting
- Damper/duct connector fits 3" round duct.
- 50 CFM; for baths up to 45 sq. ft.

MODEL	STOCK NO	EACH
688	BR688	31.37



Wall Heater

Includes Auto Shut off

Factory wired for 2000 watt at 240v, easily converts to half-wattage. 20¼" x 16⅜"

MODEL	STOCK NO	EACH
192	BR192	646.87



Bulb Heater with Fan

- 250 watt infrared bulb (bulb not included)
- Attractive molded plastic grilles.
- 1 bulb heater/fan 70 CFM, 65 sq. ft.
- 10¼" x 10¼" with 4" duct diameter

MODEL	STOCK NO	EACH
162	BR162	100.83

BROAN



Ceiling Vertical Discharge Fan

- Steel housing installs between ceiling joists.
- Built-in damper, uses 8" round duct.
- 180 CFM, 6.5 Sones, 11½" x 11½"

MODEL	STOCK NO	EACH
505	BR505	163.98



Ceiling Side Discharge Fan

- Mounting brackets are adjustable to allow installation between ceiling joists or walls studs
- Built-in damper requires 3¼" x 10" duct.
- 200 CFM, 5 sones, 11½" x 11½"

MODEL	STOCK NO	EACH
503	BR503	172.19



FLEX DC™ Series Fans

- Low RPM for quiet operation
- FoldAway™ Mounting Ears
- FlexFlow™ CFM Technology
- Connector for 4" duct
- 3-Year Warranty

MODEL	CFM	STOCK NO	EACH
Fan Only, No Light			
AE50110DC	50-110	BRAE50110DC	160.73
With LED Light • 11 watt, 3500K			
AE50110DCL	50-110	BRAE50110DCL	212.09



FLEX™ Series Fans

- Low RPM for quiet operation
- FoldAway™ Mounting Ears
- TrueSeal™ Damper Technology
- EzDuct™ connector for 4" duct
- 1-Year Warranty

MODEL	CFM	STOCK NO	EACH
A80	80	BRA80	94.53
A110	110	BRA110	124.08

FLEX™ Series Fans

Same specs as above with 1-Year Warranty

MODEL	CFM	STOCK NO	EACH
AE80B	80	BRAE80B	82.42

FLEX™ Series Fans

Same specs as above with 3-Year Warranty

MODEL	CFM	STOCK NO	EACH
AE110	110	BRAE110	152.19



Invent™ Series Fans with Lights

- Low RPM for quiet operation
- FoldAway™ Mounting Ears
- TrueSeal™ Damper Technology
- EzDuct™ connector for 4" duct
- 100-watt light capacity (bulb not included)
- 3-Year Warranty

MODEL	CFM	STOCK NO	EACH
A110L	110	BRA110L	149.19



Ultra Green™ Ventilation Fan

CFM Single-Speed Fan

- UltraSmart™ DC Motor & Control Technology
- UltraSilent™ Sound Technology <0.3 Sones
- UltraQuick™ Installation with 4" or 6" ducting
- 3-Year Warrnty

MODEL	CFM	STOCK NO	EACH
XB50	50	BRXB50	247.93
XB80	80	BRXB80	259.20
XB110	110	BRXB110	278.56
UltraLucent™ Lighting Technology			
XB80L	80	BRXB80L	387.20



Ultra Green™ Ventilation Fan

CFM Multi-Speed Fan

- UltraSmart™ DC Motor & Control Technology
- UltraSilent™ Sound Technology <0.3 Sones
- UltraQuick™ Installation with 4" or 6" ducting
- 3-Year Warrnty

MODEL	CFM	STOCK NO	EACH
ZB80	80	BRZB80	234.90



Quiet Bath Fan

- Very quiet operation 0.3 to 1.4 sones
- 11⅜"x10½"x7⅝" housing with 6" duct
- 3-Year Limited Warrnty

MODEL	CFM	STOCK NO	EACH
QTXE80	80	BRQTXE80	194.40
QTXE150	150	BRQTXE150	372.80



Ultra Pro™ Bath Fan

- UltraQuick™ Installation with 4" ducting
- 10½"x 11⅜"x 7⅝" housing
- QStream™ Sound Technology <0.3 Sones
- QFlow™ Damper Technology
- 3-Year Limited Warrnty

MODEL	CFM	STOCK NO	EACH
RB110	110	BRRB110	207.99
UltraLucent™ Lighting Technology			
RB80L	80	BRRB80L	278.56
RB110L	110	BRRB110L	361.46



Economy Series

- 4.0 Audible Sones
- Mounts on either 16" or 24" O.C. Joist or stud
- 7½"x7¼"x3⅝" housing with 3" ducting
- 9½"x8¹¹⁄₁₆" Grille size
- 1-Year Limited Warrnty

MODEL	CFM	STOCK NO	EACH
696N	50	BR696N	33.45

Broan Exhaust Fans and Accessories (27)

broan.com

Sensonic™ Ventilation Fan



Model SPK110

- Dual High-Fidelity Sensonic™ Speakers
- Bluetooth wireless technology
- Extremely quiet 1.0 Sones
- 10½"x11⅜"x7⅝" housing with 4" ducting
- Includes unique spacer for easy I-joist mounting

MODEL	CFM	STOCK NO	EACH
SPK110	110	BRSPK110	219.86

Economy Fan with Light



- 100 watt light capacity (Bulb not included)
- Plastic grille and unbreakable diffusing lens
- 8"x8¼"x5¾" high housing with 4" ducting

MODEL	CFM	STOCK NO	EACH
678	50	BR678	72.36

Losone Select® Ceiling Ventilator



- Broan high capacity fans are an exceptionally quiet solution to continuous ventilation
- With their heavy-duty motors and high capacity fans they are an ideal solution for conference rooms, public restrooms or commercial buildings that require ongoing ventilation
- Low-vibration and lo-profile
- 11¾"x12¼"x12¼" Housing with 14"x14" Grille

MODEL	CFM	DUCT SIZE	STOCK NO	EACH
L100	109	6"	BRL100	228.65
L200	210	8"	BRL200	269.19
L300	308	8"	BRL300	295.96

LoProfile Ventilation Fan



- Fits in 2"x4" ceiling or wall construction
- 80 CFM with 4" duct for ample air movement
- 3" duct adapter included
- Only 1.5 sones for extremely quiet operation
- 4"x10½"x11⅜" housing with 13"x13¾" grille

MODEL	STOCK NO	EACH
LP80	BRLP80	124.32

Grille/Cover Upgrades

MODEL	STOCK NO	EACH
Bluetooth Speaker Cover with LED Light		
FG800SPKS	BRFG800SPKS	106.82
Cover with LED Light		
FG600S	BRFG600S	57.63
Exhaust Fan Motor and Grille Kit		
QK60S	BRQK60S	78.00
CleanCover™ Grille/Cover		
FG701S	BRFG701S	29.73

Accessories

Roof Cap



- Footprint is 18¾"x14¼"
- Black with backdraft damper and bird screen

MODEL	STOCK NO	EACH
For 3¼"x10" or up to 8" round duct		
634	BR634	52.11
For 6" round duct		
634M	BR634M	61.24

Roof Cap



- Footprint is 11"x9¼" for 3" or 4" round duct
- Black with backdraft damper and bird screen

MODEL	STOCK NO	EACH
636	BR636	26.72

Wall Cap



- Black, 12¾"x5⅝" for 3¼"x10" duct
- Spring-loaded backdraft damper & bird screen

MODEL	STOCK NO	EACH
639	BR639	39.11

Aluminum Wall Cap



- Spring loaded backdraft damper with padded damper zone
- Built-in bird screen
- Constructed of durable aluminum
- Compatible with 6" round ducting

MODEL	STOCK NO	EACH
641	BR641	80.51

Steel Wall Cap



- Spring loaded backdraft damper with padded damper zone
- Built-in bird screen
- Durable steel with a black powder coat finish
- Compatible with 6" round ducting
- Not suitable for dryer venting.

MODEL	STOCK NO	EACH
843BL	BR843BL	41.18

(29)

DryerJack



Model 477

11¾" x 11½" Low profile, optimally designed for roof pitch between 3/12 and 12/12.

FINISH	STOCK NO	EACH
Mill Finish	DJK477MR	94.49
Black	DJK477KR	102.91

Wall Cap



- .025 Aluminum, 13"x12½" for 8" duct
- Built-in backdraft damper, 3⅜" collar

MODEL	STOCK NO	EACH
643	BR643	131.77

Wall Cap



Model 885BL/885AL

- 6½"x6½" for 3" or 4" round duct
- Spring-loaded backdraft damper & bird screen

FINISH	STOCK NO	EACH
Black	BR885BL	36.19
Aluminum	BR885AL	59.76

(31)

Digital Fan Control



FINISH	STOCK NO	EACH
White	HVC0001	96.61

Humidity Sensing Wall Control



- Sensaire™ responds to increase in humidity
- Variable setting from 20% to 80% relative humidity, set minutes per hour, or set manually
- Fits single-gang box; 120V, 60Hz
- Requires neutral wire for operation

MODEL	STOCK NO	EACH
82W	BR82W	60.90

AprilAire Humidifiers, Air Purification & Dehumidifiers

aprilaire.com



Whole-House Bypass Humidifiers

Includes:
- Humidifier
- Hunidistat
- Water Panel(s)
- 24VAC Transformer
- Outdoor Temperature Sensor
- Saddle Valve

MODEL	HUMIDISTAT	CAPACITY (GAL PER DAY)	STOCK NO	EACH
400	*Auto*	*17*	*APRIL400*	*925.94*
500M	*Manual*	*12*	*APRIL500M*	*549.23*
500	*Auto*	*12*	*APRIL500*	*687.87*
600M	*Manual*	*17*	*APRIL600M*	*597.94*
600	*Auto*	*17*	*APRIL600*	*815.41*



Whole-House Fan-Powered Evaporative Humidifiers

Includes:
- Humidifier
- Hunidistat
- HYDROL L Hydrocore Water Panel
- 4010 24VAC Transformer
- 4001 Saddle Valve

MODEL	HUMIDISTAT	CAPACITY (GAL PER DAY)	STOCK NO	EACH
720M	*Manual*	*21*	*APRIL720M*	*1128.07*
720A	*Auto*	*21*	*APRIL720A*	*1264.50*
Replacement Hydrocore Water Panel				
HYDROL			*APRILHYDROL*	*83.47*



Whole-House Steam Humidifiers

Includes:
- Humidifier
- Didital Automatic Hunidistat
- Steam Canister
- Outdoor Temperature Sensor
- Saddle Valve
- 6' Steam Hose
- ⅞" x 10' Drain Tubing
- Hose Clamps
- Steam Dispersion Tube

MODEL	CAPACITY (GAL PER DAY)	STOCK NO	EACH
800	*34.6*	*APRIL800*	*2772.95*
Low Conductive H20			
800LC	*34.6*	*APRIL800LC*	*2772.95*
Replacement Canisters			
80		*APRIL80*	*255.46*
80LC		*APRIL80LC*	*255.46*

See page 938 for AprilAire Controls & Thermostat



Whole-House Electronic Air Purifier

- 15 MERV Rating
- Removes Airborne Particles, Airborne Allergens, Dust, Pollen, Mold Spores, Pet Dander, Asthma Triggers, Bacteria, Dust Mites
- Includes 16" x 25" 501 Air Filter Media
- Includes 6 4270 Pleat Spacers

MODEL	STOCK NO	EACH
5000	*APRIL5000*	*2171.77*
Replacement Air Filter Media		
501	*APRIL501*	*153.12*



Air Filter Media

FOR MODEL(S)	STOCK NO	EACH
MERV 10		
2200 & 2250	*APRIL201*	*111.89*
2400	*APRIL401*	*108.49*
MERV 11		
1210, 2210, 3210, & 4200	*APRIL210*	*143.64*
1410, 2410, 3410, & 4400	*APRIL410*	*132.49*
MERV 13		
1210, 2210, 3210, & 4200	*APRIL213*	*160.95*
1410, 2410, 3410, & 4400	*APRIL413*	*147.04*
MERV 16		
1210, 1620, 2210, 2216, 3210, & 4200	*APRIL216*	*308.27*
1410, 1610, 2410, 2416, 3410, & 4400	*APRIL416*	*308.27*



Water Panels

FOR MODEL(S)	STOCK NO	EACH
110,220,500,550,550A,558	*APRIL10*	*24.19*
112,224,225,440,445,448	*APRIL12*	*45.23*
350,360,560,568,600,700	*APRIL35*	*33.90*
400	*APRIL45*	*80.81*



Saddle Valve

STOCK NO	EACH
APRIL4001	*38.49*



Solenoid Valve 110V

STOCK NO	EACH
APRIL4005	*283.28*

Current Sensing Relays

VOLTAGE	STOCK NO	EACH
24V	*APRIL50*	*108.14*
120V	*APRIL51*	*135.81*



Whole-House Dehumidifiers

Includes:
- Deumidifier
- 10" Outlet Duct Coller
- 10" Inlet Duct Coller
- Backdreaft Damper
- Torx Bit
- Leveling Feet
- Screws
- Barbed Drain Fitting
- 8' Power Cord
- Washable MERV 8 Filter

MODEL	PINTS/GALLONS REMOVED PER DAY	STOCK NO	EACH
E080	*80 (10 Gal.)*	*APRILE080*	*4370.13*
E100	*100 (12.5 Gal.)*	*APRILE100*	*5046.83*
Hard Wired			
E130H	*130 (16 Gal.)*	*APRILE130H*	*6626.30*



Scale Control Inserts & Maintenance Kits/Water Panels

FOR MODEL(S)	STOCK NO	EACH
Model 500 (10 - Scale Control Inserts)	*APRIL4640*	*46.90*
Models 700, 700A, 700M, 760, 760A, & 768	*APRIL4750*	*152.17*
Models 350 & 360	*APRIL4785*	*278.95*
Models 400 & 400A	*APRIL4788*	*277.26*
Models 500, 500A & 500M	*APRIL4792*	*155.16*
Models 550, 550A & 558	*APRIL4793*	*168.70*
Models 560, 560A & 568	*APRIL4837*	*178.13*
Models 600, 600A & 600M	*APRIL4839*	*158.04*



Air Purifiers

Easy Install

SIZE	STOCK NO	EACH
MERV 11		
16" x 25"	*APRIL1410*	*335.33*
20" x 25"	*APRIL1210*	*335.33*
MERV 11 - Easy Install		
16" x 25"	*APRIL1610*	*531.00*
20" x 25"	*APRIL1620*	*609.17*
MERV 13		
16" x 25"	*APRIL2410*	*440.25*
20" x 25"	*APRIL2210*	*440.25*



Air Filter Performance Upgrade Kit

Upgades MERV 10 Filters to MERV 13 Filters

FOR MODEL(S)	STOCK NO	EACH
2120 & 2200	*APRIL1213*	*226.68*
2140 & 2400	*APRIL1413*	*226.68*

Fantech RADON Ventilating Fans (27)

fantech.net

DBF110 Dryer Booster Kit



4" Ducting • FR110 fan included.

MODEL/STOCK NO	EACH
DBF110	402.81

PERFORMANCE-FR Fan						
Model	Max RPM	Max Watts	Max Amps	CFM @0" Ps	CFM @.2" Ps	Duct
DBF110	2761	75	.72	167	150	4"

RSK Backdraft Damper



In-Line Backdraft Damper

SIZE	STOCK NO	EACH
4"	RSK4	21.37
6"	RSK6	30.69
8"	RSK8	37.02
10"	RSK10	53.42

Rn 4EC-3 Inline Radon Fan



- Use for High Suction, High Airflow with EC Motor
- Speed Control Included
- LDVI™ Couplings Included
- Airtight Housing Guaranteed
- Large Electrical Box
- Zero Leakage

Radon Fan, Inline, 4¼ max SP

MAX AIRFLOW	DUCTING	STOCK NO	EACH
490 CFM	3½"	RN4EC3	499.84

Radon Fan



RN Series

MAX AIRFLOW	DUCTING	STOCK NO	EACH
166 CFM	4"	RN2	196.20

FG Fan Series

Remotely mounted in-line fan suitable for mounting in outdoor and wet locations (NOT underground or with water running thru motor housing). Fans are caulked at motor screws, wiring cables and seams to prevent moisture from entering the motor housing. Prewired. Mounting bracket included.

Features:

- Airtight galvanized steel housing for residential & commercial applications
- Rated for outdoor use & airstream temperatures up to 140° F
- Powered by ebm-papst external rotor motorized impeller for excellent heat dissipation, even at low RPM
- Waterproof gasket on wiring box
- 135 to 589 CFM
- 4" to 10" duct diameters
- 100% speed controllable
- 5 year factory warranty



MODEL/STOCK NO	EACH
FG4	270.46
FG5	290.02
FG6	316.49
FG8	437.33
FG10XL	586.95

PERFORMANCE - FG Series Fan								
Model	Max RPM	Rated Watts	Max Amps	CFM @0" Ps	CFM @.2" Ps	Bathroom Exhaust Area	Multiple Rooms Combined sq ft	Duct
FG4	3000	20	0.19	135	110	Up to 85 sq ft	----	4"
FG5	3000	20	0.19	156	130	Up to 125 sq ft	Up to 125 sq ft	5"
FG6	2700	72	0.68	303	270	140 to 210 sq ft	125 to 180 sq ft	6"
FG8	2550	119	1.14	461	410	-----	-----	8"
FG10XL	3100	196	1.96	589	560	-----	-----	10"



FRIK 4x4 Rn Installation Kit

Included in the FRIK kit is a pair of our new LDVI™ (Low Durometer Vibration Isolating) couplings, Manometer, and Radon Labels.

SIZE	STOCK NO	EACH
4" x 4"	FRIK4X4	78.72



FRIK 4x3 Rn Installation Kit

Included in the FRIK kit is a pair of our new LDVI™ (Low Durometer Vibration Isolating) couplings, Manometer, and Radon Labels.

SIZE	STOCK NO	EACH
4" x 3"	FRIK4X3	78.72

Electronic Push Button Timer

115 volt. 60, 30, 20, or 10 min.

STOCK NO	EACH
FD60E	70.20

Speed Control

ON/OFF Switch • 10amps.

For Use with ALL Models

STOCK NO	EACH
RPE10	95.53



(27)

Radon Tag

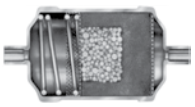
2" x 4" Sticker. 100 per roll.

MODEL/STOCK NO	EACH
RADONTAG	86.79



See Page 1310 for Couplings

A/C Liquid Line Filter Dryer



- R-22 and R410-A. 100% molecular sieve.
- High moisture & acid capacity.
- Solid copper sweat fittings.

CONNECTION SIZE	FILTER AREA SQ. IN	*CAP. TONS R-22 & R410A REFRIGERANT	STOCK NO	EACH
O.D. Solder Connections				
3/8"	27	3	832515141	17.29
3/8"	34	4	832515142	22.40
1/2"	61	5	83ADK084S	34.92

Heat Pump Liquid Line Filter Dryer

CONNECTION SIZE	FILTER AREA SQ. IN	*CAP. TONS R-22 & R410A REFRIGERANT	STOCK NO	EACH
O.D. Solder Connections				
3/8"	34	5	83BFK163S	94.59

E-Flex Pro-System Kit



UV Protected • Titan GS30 Outlet

SIZE	STOCK NO	EACH
1/2" Insulation Thickness Dia. • E-Flex Guard 72E		
7/8"	78EFLEXKIT	200.81
3/4" Insulation Thickness Dia. • E-Flex Guard 72C		
1 1/8"	118EFLEXKIT	200.81

E-Flex Guard



HVAC Line-Set & Solar Pipe Insulation Protectors UV Protected

SIZE	STOCK NO	EACH
1/2" x 75'	750E	710.30
3/4" x 75'	750C	732.11

(24)

Safe-T-Switches







- For installation on Drain Pans
- Condensate overflow switch
- Magnetic reed switch
- Connect to either red or yellow wire

MODEL	STOCK NO	EACH
SS1	RE97632	50.81
SS2	RE97637	43.79
SS3	RE97647	25.49

(24)

Safe-T-Switch SSW



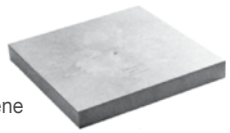
Secondary drain pan shut-off switch, Safe-T-Switch Model SSW, detects clogged A/C condensate drains and shuts off system to prevent water damage.

- Sensor connects to indoor unit
- Onboard LED Indicator
- Power supply – 24VAC

STOCK NO	EACH
RE97092	98.59

(25a)

A/C Pads



High impact polypropylene pad with UV inhibitors.

SIZE	STOCK NO	EACH
2" Textured gray surface		
24x24x2"	ACP2424	47.52
24x30x2"	ACP2430	79.40
24x36x2"	ACP2436	72.91
30x30x2"	ACP3030	71.05
30x36x2"	ACP3036	114.97
30x40x2"	ACP3040	171.69
32x32x2"	ACP3232	97.82
32x44x2"	ACP3244	77.47
34x34x2"	ACP3434	122.52
36x36x2"	ACP3636	117.27
38x42x2"	ACP3842	153.08
3" E-Lite®		
18x38x3"	ACP18383	66.18
3" Textured gray surface • Stocked in Fargo Only		
24x24x3"	ACP24243	57.42
30x30x3"	ACP30303	88.38
32x32x3"	ACP32323	96.32
32x44x3	ACP32443	237.37
36x36x3"	ACP36363	109.44

(25a)

Heat Pump Pad



SIZE	STOCK NO	EACH
36x36x8"	HP36368	200.91

Anti-vibration Pads



The cork is laminated between two corrugated pads to reduce vibration and noise. Designed to withstand 50 lbs. psi. Elastomeric oil resistant.

SIZE	MATERIAL	STOCK NO	EACH
4" x 4" x 3/8"	Rubber Only	MP4	2.21
2" x 2" x 7/8"	Cork Center	MP2C	.95
4" x 4" x 7/8"	Cork Center	MP4C	3.46

Furnace Mounting Block



SIZE	STOCK NO	EACH
4x6" Triangle	DIFB1	15.58

Heat Pump Risers



- Elevate AC, heat pumps & air handlers.
- Heavy-duty plastic.
- Butyl mastic on the top and bottom guarantees no slipping and reduced vibration and noise
- Four risers can handle up to 2,000 lb load

STOCK NO	EACH
HPR-6 - 6" Grey Heat Pump Pump Riser	
HPR6	10.13
HPR-EXT - 4" Two Piece Extension	
HPREXT	6.86

Bramec Electrical Disconnect Switch



STOCK NO	EACH
60 AMP, 1PH Non-Fused Metal with GFCI	
BR13153	158.33
60 AMP, 1PH Non-Fused Metal	
BR13154	30.96
60 AMP, 1PH Non-Fused Plastic	
BR13146	61.63
30 AMP, 1PH, 3HP Fused Plastic	
BR13148	65.38

Dual Element Fuses



- 200,000 amps rms
- Time delay
- U.L. Class RK-5, Standard for Safety 198E

DESCRIPTION	STOCK NO	EACH
20 Amp, 250V.	7CRNR20	7.10
25 Amp, 250V.	7CRNR25	8.05
30 Amp, 250V.	7CRNR30	7.10

DiveriWhips Condenser Wiring Kit



1-straight and 1-90° connector

DESCRIPTION	STOCK NO	EACH
1/2"x4' #10 THHN wire.	6124NM	28.97
1/2"x6' #10 THHN wire.	6126NM	38.34
3/4"x4' #8 THHN wire.	6344NM	38.93
3/4"x6' #8 THHN wire.	6346NM	52.22

Screw-On Wire Connectors



Resist heat distortion. Box of 100. Connectors are for copper to copper connections.

DESCRIPTION	STOCK NO	EACH
Blue,#22-#14 AWG, Min3 #22, Max 2 #16, 300V Max	6292CX	24.63
Yellow,#18-#12 AWG, Min 1#14 & 1#18, Max 2#14 & 3#16, 600V Max	6294CX	34.21
Red, #18-#10 Min1#12 & 2#18, Max 2#10 & 1#12, 600V Max	6296CX	53.04

Head Pressure Control



STOCK NO	EACH
ICM326HC	266.25

(40)

100 Pack Cable Ties



7" length, 2" max. bundle dia.

STOCK NO	EACH
6262CX	12.23

(40)

Bramec Foam Tape



2" x 30'. No. 1007

STOCK NO	EACH
BR1007	9.57

(25a)

Post-Purge Fan Delay Timer Control



STOCK NO	EACH
ICM253	71.66

Miscellaneous Air Conditioning Accessories

(42)
Refrigerant Recovery Cylinder (50 lbs)



STOCK NO	EACH
63010	237.05

Additional HVAC accessories, manifolds and hoses, please refer to page 1906 & 1927

(337B)
Nitrogen Purging Regulator



- Preset Purge (25-35 CFH) Braze (3-6 CFH) and Pressure Test (500 PSI or 250 PSI) Settings
- Regulator and Flowmeter in ONE
- Hand Tight Cylinder Connection
- 650 PSI Test Pressure

SIZE	STOCK NO	EACH
1/4" Male SAE Flare	VN650	313.11

Ritchie FQC x Male Flare Adapter



FOR USE WITH PANASONIC & SANYO R-410A UNITS.
Required to connect standard R-410A manifold gauge set.

SIZE	STOCK NO	EACH
5/16"FQC x 1/4"MFL	RI19173	29.16

(24)
AC Leak Freeze Pro



Pro Nano 1.5 oz. refrigerant leak sealant with new leak seeking nano particles creates a stronger dual sealant! Nano particles are non-polymer and non-reactive technology that fills cracks and imperfections in hvac coils. Works on all A/C, H.P. & Mini Splits.

STOCK NO	EACH
With Triple Action Magic Frost	
RE45317	173.75
With UV formula to detect larger leaks	
RE45318	138.29

(24)
Kickstart Hard Start Devices



- 2 non polarized wire design
- 3-year warranty
- Extends the life of A/C, refrigeration, & heat pump compressors
- OEM tested & approved

MODEL	TONNAGE	STOCK NO	EACH
TO-5	1-3 Tons	RE96503	100.36
KS-1	3.5-5 Tons	RE96506	118.22

(18)
Mega Bubble Leak Detector



32 oz. spray

STOCK NO	EACH
SPLEDE	27.17

(27)
No 1004 Thum-Gum Sealing Compound



- Non-hardening putty for larger sealing jobs
- For plugging openings through foundations
- Use when installing central air conditioning
- For plugging refrigeration tube entry
- Does not contain asbestos

DESCRIPTION	STOCK NO	EACH
2-Lb.	2LBTHGU	13.58

(00)
R-410A Refrigerant

DESCRIPTION	STOCK NO	PER LB.
#25	25R410A	21.27

Please call for pricing and availablility.

(00)
R-22 Refrigerant

DESCRIPTION	STOCK NO	PER LB.
#30	30R22	66.27

Please call for pricing and availablility.

(27)
Novent Caps



Locking Refrigerant Caps

SIZE	FOR	QTY.	STOCK NO	EACH
1/4"	R-22	2 Pack	RE86662	28.09
5/16"	R-410A	2 Pack	RE86672	45.78

(27)
Multikey



Fits all Novent Caps

STOCK NO	EACH
RE86698	26.01

(27)
Novent Keys



Screwdriver Key and Universal Cap

FOR	STOCK NO	EACH
R-22	RE86660	32.99
R-410A	RE86688	32.99

(40)
Yellow Jacket Vacuum Oil - 1 Quart



STOCK NO	EACH
RI93092	19.99

(40)
Ritchie Schrader Core Remover/Installer



STOCK NO	EACH
RI19306	23.94

(40)
Vacuum/Charge Valve



With extra 1/4" Side Port

STOCK NO	EACH
RI18975	117.22

(40)
Ritchie Yellow Jacket Heavy Duty Refrigerant Ratchet



Heavy duty features a heavier handle and larger gear. Square opening 3/16" and 1/4" at one end; 3/8" and 5/16" at other end.

STOCK NO	EACH
RI60618	46.17

(40)
Hex Key Adapter



For use with RI60618 Ratchet

STOCK NO	EACH
RI60638	24.06

(40)
Ritchie Yellow Jacket 110lb. Charging Scale



Eliminates refrigerant transfer from tank to cylinder to system. The cylinder with refrigerant is weighed before and after charging.

STOCK NO	EACH
RI68802	615.84

(40)
Ritchie Yellow Jacket SuperEvac LCD Vacuum Gauge



Combining thermocouple sensor technology with advanced electronics for precise readings & reliability not found with thermistor sensors or analog meters.

STOCK NO	EACH
RI69075	716.07

(42)
Kick Start

208-230 • 1.5-3Ton

STOCK NO	EACH
42TO5	107.11

Miscellaneous Air Conditioning Accessories

nucalgon.com

Nu-Calgon (40)

Evap Pow'r-C



Highly concentrated for cleaning indoor evaporator coils and should be diluted with water at a 3:1 ratio

SIZE	STOCK NO	EACH
1 gallon	NC416808	47.10

Nu-Brite



Non-acid condenser coil cleaner

SIZE	STOCK NO	EACH
1 gallon bottle	NC429108	51.15

Rx11-flush tool



Flush Tool for ¼" lines up to 1⅛"

STOCK NO	EACH
NC430050	27.12

Coil Gun



For spraying coil cleaners
Mixes water with cleaners as it sprays

DESCRIPTION	STOCK NO	EACH
Hose-end sprayer	NC47740	182.78

A/C EasySeal



Prevents refrigerant leaks and seals existing leaks in air conditioning and refrigeration systems.

DESCRIPTION	STOCK NO	EACH
Display Pack: Two 2.5oz. Canisters, Valve & Hose		
4050-02	NC405002	275.21
2.5oz. Canister, Treats 1.5 - 5 tons		
4050-06	NC405006	120.41
Valve & Hose ONLY		
4051-99	NC405199	35.02

(24)

Turbo-Kleen Kit



Kit includes:
- Injector nozzle & canister
- Flushing tool
- Plastic connecting line
- 1 pt. of chemical solution

For HVAC/R systems, to clean refrigeration line sets when installing new compressors after burnouts, or converting to R-410A refrigerant.

STOCK NO	EACH
RE82500	204.48
1 Pint Solution Refill	
RE82400	83.74
1 Gallon Solution Refill	
RE82450	577.54

Better Bubble



Leak locator biodegradable formula for use on surface temp. from 20°F to 250°F

SIZE	STOCK NO	EACH
8 oz.	RE65554	11.81
32 oz. Spray	RE65432	30.52

(24)

Coil-Cure



18 oz. Aerosol No-Rinse Evaporator Coil Cleaner & Disinfectant

STOCK NO	EACH
RE11070	24.76

(24)

Clean-N-Safe



20 oz. Aerosol Non-acid Biodefradable Coil Cleaner

STOCK NO	EACH
RE83780	23.02

(24)

RectorShield



11 oz. Tube of heat absorbing paste for use while soldering, brazing & welding

STOCK NO	EACH
RE83554	26.27

(27)

Sight Glass Moisture Indicator



Leak proof fused sight glass.
U.L. listed for 500 psi working pressure.

O.D.SWT. CONN. SIZE	OVERALL LENGTH	CUTOUT LENGTH	STOCK NO	EACH
⅜"	4.88"	4.12"	832521102	39.03
⅝"	4.88"	3.62"	832521105	44.29

(18)

RectorSeek Low-Temp Leak Locator



is a leak locator for use at cold temperatures from -35°F to +200°F on pipes or tanks that contain gases. DO NOT use on oxygen systems. Can be used with freons and ammonia. It contains no oils, halgens, ammonia or amines.

SIZE	STOCK NO	EACH
Gallon	RE61273	92.03

(24)

Clean N Safe



1 Gallon Non-Acid Coil Cleaner

STOCK NO	EACH
RE83785	53.16

(24)

Desolv Spray



16 oz. Aerosol Coil Cleaner

STOCK NO	EACH
RE82561	24.79

(24)

Desolv Cleaning Kit



Includes:
- Desolv Cleaning Solution (1 gal)
- C-Band Frame Assembly
- Single Use Funnel Bags (2)
- Drain Pail (5 gal)
- Installation Instructions

STOCK NO	EACH
RE82560	432.93
Replacement Funnel Bags	
RE82562	17.93



(24)

Nu Line AC Drain Line Cleaner



8oz. non-corrosive for condensate drains

STOCK NO	EACH
RE97685	11.30

(24)

Lineshot



AC Drain Line Flush Device

STOCK NO	EACH
RE81980	78.71
Replacement CO^2 Cartridge	
RE81981	59.95

Miscellaneous A/C & Heating Supplies

A/C Leak Detectors & Accessories (40)

diversitech.com



Super Seal Advanced

AC/R Leak Sealant with Dry R

SIZE	STOCK NO	EACH
1.5-5 Tons	944KIT	148.61
5+ Tons.	948KIT	149.99



Dry R

Moisture Elinimator

SIZE	STOCK NO	EACH
up to 5 Tons	973KIT	132.06



Boost Juice®

An additive that lowers energy costs on HVAC/R system by reducing the amperage draw up to 22%

SYSTEMS	STOCK NO	EACH
Injectable Hose with Chemicals		
Up to 6 Tons.	992BOOST	175.10



Super Change™

Converts non-POE oils to new HCF refrigerants. Such as R22 to POE-based R407C & R410A.

SYSTEMS	STOCK NO	EACH
Injectable Hose w/Chemicals • Avoids a Full Flush		
Up to 6 Tons.	991CHANGE	169.18
Vacuum-sealed can • Hose sold separately		
Up to 6 Tons.	981CHANGE	125.17



Flash™ Detect Inject

Integrated UV dye solution to expose leaks.

SYSTEMS	STOCK NO	EACH
Injectable Hose with Chemicals		
Up to 6 Tons.	990FLASH	167.83



Super Seal Flex Inject Hose

Triple power sealant installs in seconds with no tools or gauges required. Works with all compressors, heat pumps, condensers, recovery units, and other system components. Up to 20kw/6 Tons including R410A.

SIZE	STOCK NO	EACH
Up to 6 Tons.	985SEAL	158.33
Up to 6 Tons (UV dye)	995FLEXINJECT	184.38

Surge Protectors (24)

rectorseal.com



RSH-50 Disconnect Boxes

Designed to protect all single phase, 120/240-V air conditioning, heat pumps and ductless mini-split systems (DMSS) from transient over-voltage and natural-cause surges.

DESCRIPTION	STOCK NO	EACH
60A Non-Fused	RE96419	227.08
30A Fused	RE96417	226.94



RSH-50 VRM KIT

The RSH-50 VRM KIT combines the VRM60A and the RSH-50 in a NEMA 3R enclosure, for an all-in-one equipment solution. The RSH-50 uses Gas Discharge Tube (GDT) Technology along with Thermally Fused Metal Oxide Varistors (TMOV) for ultimate protection.

STOCK NO	EACH
RE96421.	470.87



RSH-50 Surge Protective Device

(SPD) for Single-Phase System 120/240 VAC Type 1

STOCK NO	EACH
RE96415.	113.00

Evergreen Motors



(27)

Evergreen Replacement Motors

120/208/230 1075

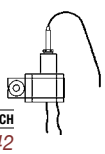
FOR	STOCK NO	EACH
½ HP	5SME39HXL110	394.01
1 HP	5SME39SXL111	470.48



(42)

ECM Motor Tester

DESCRIPTION	STOCK NO	EACH
Tester	PD510009	328.44



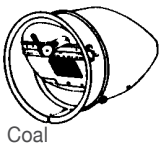
(25)

Low Ambient Kit R-410A

STOCK NO	EACH
RXADA07	458.42

Field Draft Controls (27)

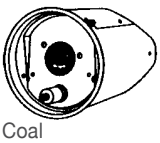
fieldcontrols.com



Type RC

Single-acting for Oil, Wood and Coal

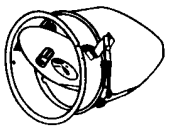
DESCRIPTION	STOCK NO	EACH
6" R-C	FI6RC	76.84
8" R-C	FI8RC	130.83



Type M

Single-acting for Oil, Wood and Coal

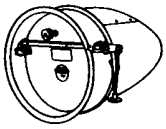
DESCRIPTION	STOCK NO	EACH
6"M 5 and 6"	FI6M	138.47
8"M 7 and 8"	FI8M	204.50



Type MG1

Double-acting for Gas Only

DESCRIPTION	STOCK NO	EACH
6"MG1 5 and 6"	FI6MG1	168.44
8"MG1 7 and 8"	FI8MG1	232.81

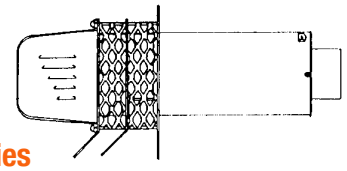


Field Triple Fuel Barometric Draft Control

for Oil, Gas, Wood and Coal

DESCRIPTION	STOCK NO	EACH
12"M+MG2 11 and 12".	FI12M	509.09

Field Power Venters (27)



SWG Series Power Vent Systems

The SWG Series from Field Controls combines the fan, motor and vent hood into one complete and compact unit that's easily installed outside the building so noise and vibration are virtually eliminated from the occupied areas.

DESCRIPTION	STOCK NO	EACH
416,000.	SWG6	1257.86

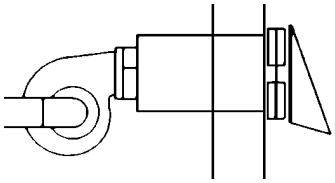
GSK-3

Gas Spillage Sensing Switch

STOCK NO	EACH
GSK3	61.90

GPAK Series Through-The-Wall Vent Systems

Reduce costs while increasing safety and performance



Features:
- Factory wired for fast, easy installation.
- Built-in fan proving switch interlocks with gas valve.
- 24/115V switching relay.
- Rugged aluminum vent hood.
- Kit encludes everything for complete installation (except vent pipe).

MODEL SELECTION CHART					
			Max Total Vent Pipe Length		
Model	Vent Pipe Dia	BTU/Hr Input	Atmospheric A	Fan Assisted B	*40,000 ATM + Column B C
GPAKJ	4	45,000	100'	60'	60'
		75,000	100'	60'	60'
		100,000	100'	60'	N/A
		120,000	45'	60'	N/A
GPAK1	4	100,000	100'	60'	60'
		120,000	100'	60'	60'
		150,000	100'	60'	60'
		200.000	87'	N/A	N/A
		250,000	40'	N/A	N/A

* Column C allows for up to 40,000 BTU/Hr input atmospheric water heater common vented with a fan assisted appliance from column B.

Table is based on straight vent pipe. 90° elbows are equivalent to 10 feet of straight vent pipe. 45° elbows are equivalent to 5 feet of straight vent pipe. Category A pipe runs over 30 linear feet should use type"B" vent. Category B&C pipe runs over 15 linear feet should use type "B" vent. If the appliance flue is greater than 4", install a tapered reducer directly after the draft hood, draft diverter or barometric draft control to 4". All vent pipe from the appliance to the power venter must be 4".

STOCK NO	EACH
GPAKJ	991.08
GPAK1	991.08

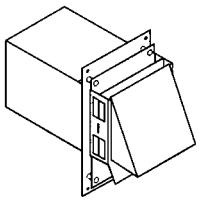


Sidewall Vent System

AGA design certified. Sidewall venting residential or light commercial gas water heater.

Includes:
- Post purge timer/relay
- 24 volt gas solenoid valve
- Gas pressure switch
- Lineal limit spillage switch
- Vent hood
- Factory prewired.

DESCRIPTION	STOCK NO	EACH
Wtr Htrs 60mBTU or less	TJVP2	947.43
Wtr Htrs 60m-120mBTU	TJVP3	988.27



Sidewall Vent Hood

Designed to terminate and many horizontally vented appliances. Heavy duty, corrosive resistant aluminum. Mounting hardware included.

DESCRIPTION	STOCK NO	EACH
3"	TJVH13	202.01
4"	TJVH14	241.43



Duct Booster

Boosts air flow to the hard to heat or cool areas. Fits round or rectangular forced air duct work. Easy to install. Manual or automatic operation. boosts air flow up to 275 CFM.

STOCK NO	EACH
TJDB2	213.99



Vent Screen

For use on furnace & water heater vents.

PIPE SIZE	ACTUAL DIA.	STOCK NO	EACH
2"	2 3/8"	2VESC	16.24
2 1/2"	2 7/8"	25VESC	17.50
3"	3 1/2"	3VESC	17.50
4"	4 1/2"	4VESC	19.99

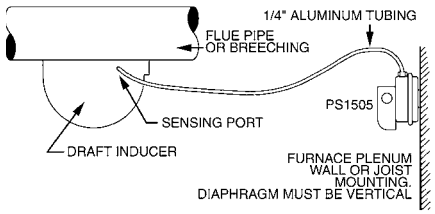


Fan Proving Switch

Assuring that adequate draft is present before burner is allowed to fire.

STOCK NO	EACH
TJPS1505	158.38

Typical Installation



Accessories & Parts

Relays

STOCK NO	EACH
24/115 v	
TJ9501040	71.09

In-Line Draft Inducers

STOCK NO	EACH
In line 115/1/60-1/70 HP open	
TJDJ3	323.78
In line 115/1/60-1/20 HP open	
TJD3	323.78
In line 115/1/60-1/4 HP open	
TJI	900.27

Control Interlock

STOCK NO	EACH
Multiple appliance control for power venter/inducer	
TJMAC4	629.28

UC1 Universal Control

LED status/diagnostic indicators, adjustable pre and post purge.

STOCK NO	EACH
TJUC1	261.14

Miscellaneous Heating Supplies

(27)
Bramec Vinyl Tubing
Clear

SIZE	STOCK NO	EACH
¼ I.D. x 100'	14IDCLTU	27.05
⅜ I.D. x 100'	38IDCLTU	30.21
½ I.D. x 100'	12IDCLTU	53.43
⅝ I.D. x 100'	58IDCLTU	60.35
¾ I.D. x 100'	34IDCLTU	93.31

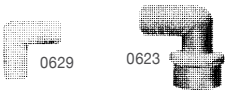
(27)
Braided PVC Tubing

SIZE	STOCK NO	EACH
⅜"	38IDBRTU	75.01
½"	12IDBRTU	102.47
⅝"	58IDBRTU	141.91
¾"	34IDBRTU	190.70

(27)
Polyethylene Tubing

SIZE	STOCK NO	EACH
¼ O.D. x 100'	14ODCLTU	21.20

Nylon Fittings



(27)
Elbows

DESCRIPTION	STOCK NO	EACH
½" Barb	12NYL	8.29
⅝" Barb	58NYL	9.02
½"B x ¾" FPT	12X34NYL	8.64
½"B x ¾" MPT	12X34NYLMPT	1.97
¾"B x ¾" FPT	34X34NYLF	2.75
¾"B x ¾" MPT	34X34NYLM	2.27
⅝"B x ¾" FPT	58X34NYL	11.99
⅝"B x ¾" MPT	58X34NYLM	8.86



(27)
Tees

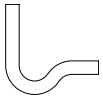
DESCRIPTION	STOCK NO	EACH
½" Barb	12NYT	8.34
½"Bx½"MPT	12X12X12MPTNYT	1.78
⅝" Barb	58NYT	8.10



(27)
Adapters

DESCRIPTION	STOCK NO	EACH
½"B x ½" MPT	12X12NYA	7.37
½"PVC x ½" FPT	12SX12FPT	.57
½"B x ¾" FPT	34X12NYA	10.15

(02)
Full Flow PVC Condensate Traps
Schedule 40 P-trap



DESCRIPTION	STOCK NO	EACH
¾"	34COPT	2.03

(24)
VCMA Series Condensate Pumps



Designed for automatic removal of condensate produced by air conditioning evaporator coils and high efficiency gas condensing furnaces. 115 volt. With check valve.

MODEL/STOCK NO	EACH
VCMA15UL	73.09
With Safety Switch	
VCMA15ULS	76.69
VCMA20ULS	102.64

Model	Full Load Amps	Aux Safety Switch	---Gallons/Hr. at--- 1'	5'	9'	15'	Shut Off
VCMA15UL	1/60	NO	65	50	30	---	15'
VCMA15ULS	1/60	YES	65	50	30	---	15'
VCMA20ULS	1.5/60	YES	84	75	60	42	21'



(27)
AC Shutoff Switch
Fast installing, reliable, condensate overflow detection switch. Featuring a unique universal pan mount design to assure accurate detection in metal or plastic secondary drain pans.

STOCK NO	EACH
CS1200	38.12

(42)
Condensate Safety Switch

STOCK NO	EACH
84SS2	59.43



(24)
EZ Trap Kit with Brush
Thinner walled trap for light duty applications

SIZE	STOCK NO	EACH
¾"	RE83114	31.93



(24)
EZ Trap 200 Series Smart Trap Kit
SmartTrap adds a float switch that warns of blockage and shuts down the A/C unit. Slip fit float switch removes easily for cleaning and inspection.

SIZE	STOCK NO	EACH
¾" with switch 1" deep	RE83210	88.18



(31)
Thermostat Wire

DESCRIPTION	STOCK NO	EACH
18 Gauge • Sunlight Resistant		
18/2 500' coil	500THWI182	107.88
18/3 500' coil	500THWI183	157.37
18/5 250' coil	250THWI185	108.50
18/8 250' coil	250THWI188	164.46
18/12 250' coil	250THWI1812	286.71
18 Gauge • Plenum Rated		
18/6 250' coil	250THWI186	155.98
16 Gauge • Plenum Rated • Shielded		
16/2 250' coil	250THWI162S	133.11
16/2 1000' coil	1000THWI162S	532.43
14 Gauge • EZ-IN Shielded Mini-Split Cable • 600v		
14/4 50' coil	50EZIN	224.20
14/4 250' coil	250EZIN	891.95
14 Gauge • Mini-Split Tray Cable • 600v		
14/4 50' coil	50MINSPWI	88.95
14/4 250' coil	250MINSPWI	434.17

(24a)
Safety Overflow Switch (SOS)



Includes:
Switch, 5' 18AWG (2) wire lead & ¾" PVC male adapter

STOCK NO	EACH
SAOVSW	109.65

Oil Equipment

(24)

Beckett Oil Burner



For AF and AFG burner needs. Cleaner, quieter and more reliable. Comes equipped with new Beckett CleanCut pump, Beckett electronic igniter, Beckett 7184B interrupted-duty pre-purge control and Beckett PSC motor. Chassis only.
Order air tube and mounting flange below.

STOCK NO	EACH
BEB2007	954.26

(24)

Oil Control

Interrupted Ignition Pre-Purge

STOCK NO	EACH
BE7505B	149.07

(24)

Air Tube Combination

For Model AF
.75-1.25 GPH firing rate.

SIZE	STOCK NO	EACH
7"	BEAF72XN	116.11

(21)

Mounting Flange

STOCK NO	EACH
BE5432	25.89

(21)

Transformer

STOCK NO	EACH
BE2442	119.91

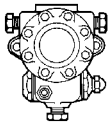
(21)

Burner Motor

STOCK NO	EACH
BE2456	174.74

(31)

Sundstrand Fuel Pumps



"A" Series -Single Stage

STOCK NO	EACH
A1YA7912	188.30

(31)

Koupling King II

Carded with hanger
Includes:

- Assembled with ½" motor shaft end cap on one side, and ½" fuel unit shaft on the other.
- For 5" over-all length coulper.
- Other end cap sizes include ⅝",7/16",⅜", & 5/16".

STOCK NO	EACH
KK120	9.96

(31)

Oil Burner Nozzles



Type B • Solid Cone Nozzle
Designed to produce a fine atomized uniform spray throughout the entire pattern. Atomization is not quite as fine as the Type H nozzle, it provides smoother ignition and is recommended for burners with a solid cone air pattern.

DEGREE	GPH	STOCK NO	EACH
45	0.85	595060	13.77
60	0.75	595031	13.77
60	0.85	595061	13.77
70	0.60	592270909	13.77
70	0.50	592270908	13.77
70	0.75	595032	13.77
70	1.20	592270906	13.77
70	1.35	592270907	13.77
80	0.75	595033	13.77
80	0.85	595063	13.77

(31)

Semi-Solid Nozzles



Type W

DEGREE	GPH	STOCK	EACH
60	.75	595036	13.77
60	.85	595066	13.77
80	1.00	PD595108	13.77

(31)

Hollow Nozzles



Type A
is a general purpose nozzle in the larger sizes and delivers a hollow cone spray pattern.

DEGREE	GPH	STOCK NO	EACH
60	0.75	595026	13.77
70	0.75	595027	13.77
70	0.85	595057	13.77
80	0.60	595041	13.77
80	0.75	595028	13.77
80	0.85	595058	13.77
80	0.90	595073	13.77
80	1.00	595098	13.77
80	1.10	595123	13.77

(31)

Accessories

DESCRIPTION	STOCK NO	EACH
Round mirror	STROMI	22.43
Rect. mirror w/handle	STREMI	22.43

Oil Equipment



(24)
"Sairset"
High temperature bonding Mortar, Air setting—Rated to 3000° F.

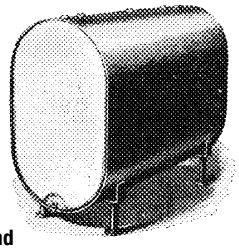
DESCRIPTION	STOCK NO	EACH
15-lb Pail	15LBSA	44.98

(24)
Castable Mix-and-Pour Refractory
For Direct Flame Contact up to 2700° F.

DESCRIPTION	STOCK NO	EACH
55 lb Bag	55KS4	91.95

(27)
1-Coat Fitting Cement
For Direct Flame Contact up to 1200° F.

DESCRIPTION	STOCK NO	EACH
One Coat	RAMCOTE	82.94



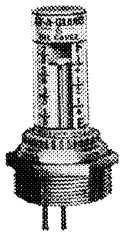
(27)
Oil Storage Tank Model 265
Basement or above ground
265 gallon capacity

SIZE	STOCK NO	EACH
27W x 44H x 60L	265OITA	1449.74



(24)
Fuel Filters

STOCK NO	EACH
1A25B	52.04
Replacement Filter Cartridges	
1A30	4.71
2A710	9.22



(24)
"AT-A-GLANCE" Tank Gauge

DESCRIPTION	STOCK NO	EACH
27"	27ATAGL	52.31
42"	42ATAGL	52.31

(24)
Oil Tank Vent
Screened-Mushroom Type



SIZE	STOCK NO	EACH
¾"	34MUAIVE	16.40
1"	1MUAIVE	21.21
1¼"	114MUAIVE	24.06
1½"	112MUAIVE	29.39
2"	2MUAIVE	41.59



(24)
Lock Fill Caps
Vented yet safe from interference, with pad locking duck bill hasp. Overlapping cap keeps out moisture, dirt and water.
Round base

SIZE	STOCK NO	EACH
2"	2LOFICAP	37.30



(24)
Duplex Slip-thru Tank Bushing

SIZE	STOCK NO	EACH
2 x ⅜ x ⅜"	2X38TRTAB	43.40
2 x ½ x ½"	2X12TRTAB	45.27

(24)
Double Tapped Tank Bushings

SIZE	STOCK NO	EACH
2 x ¾"	2X34DOTAB	30.78
2 x 1"	2X1DOTAB	30.78
2 x 1½"	2X112DOTAB	30.78
4 x 1½"	4X112DOTAB	112.86
4 x 2"	4X2DOTAB	112.86
4 x 3"	4X3DOTAB	122.40

WEIL-McLAIN Boilers

weil-mclain.com

Ultra S4 Gas Boilers



- Cast aluminum coated heat exchanger
- Operates in low temperature condensing applications
- Outdoor reset and domestic hot water priority
- Modulates with 5:1 turn-down ratio
- High grade stainless steel burner features quiet operation
- U-Control gives you the power for easy set-up and maintenance:
  - Multiple set-up and zone options
  - System sensing recognizes system and outdoor temperatures
  - Temperature management for up to three different set-points
  - Control multiple boilers from a single control panel
  - Screen messages provide service alerts and maintenance reminders

BTUH	GAS CONNECTION SIZE	STOCK NO	EACH
299,000	¾"	*WMULTRA299S4*	*23086.24*
399,000	¾"	*WMULTRA399S4*	*29094.84*

Wall Mount Kit

WM389900180 . . . . . *193.44*

LP Conversion Kit

WM383501020 . . . . . *582.71*

Specifications

Model Number	AFUE	CSA Input (MBH)	Net (MBH)	DOE Heating Cap (MBH)	Dimensions (Inches) Width	Height	Depth	Pump Size Supply & Return Piping	Vent Diameter
WMULTRA299S4	92.5	299	235	270	22 13/16"	47¾"	19 15/16"	1¼"	4"
WMULTRA399S4	91.7	399	317	364	22 13/16"	47¾"	19 15/16"	1¼"	4"

ECO Tec Boilers & Combi Versions



Weil-McLain's premium residential gas boiler. Designed to be easy to install and service, with a long-lasting firetube heat exchanger and our next generation, easy to use, color touchscreen control. The ECO Tec is also available in a combi version, generating hot water output up to 5.4 GPM, making it the first premium residential combi from the biggest name in boilers.

BTUH	STOCK NO	EACH
Gas Boilers		
80,000	*WMECOTEC80HS2*	*9767.53*
110,000	*WMECOTEC110HS2*	*10245.16*
150,000	*WMECOTEC150HS2*	*10959.22*
199,000	*WMECOTEC199HS2*	*12626.15*
Combi Versions		
110,000	*WMECOTEC110CS2*	*10959.22*
150,000	*WMECOTEC150CS2*	*11670.89*
199,000	*WMECOTEC199CS2*	*13340.20*

Pedestal Base

WM383700339 . . . . . *377.33*

Water Temp Immersion Sensor

WM383700371 . . . . . *143.29*

Multi-Boiler Wiring Kit

WM383700272 . . . . . *188.66*

Specifications

Model Number	AFUE	Input (MBH)	Net (MBH)	DOE Heating Cap (MBH)	Dimensions (Inches) Width	Height	Depth	Vent Diameter
WMECOTEC80HS2	84	80	64	74	20"	33"	19"	3"
WMECOTEC110HS2	84	110	87	100	20"	33"	19"	3"
WMECOTEC150HS2	84	150	121	139	20"	33"	19"	3"
WMECOTEC199HS2	84	199	160	184	20"	33"	19"	3"
WMECOTEC110CS2	84	110	87	100	20"	33"	19"	3"
WMECOTEC150CS2	84	150	121	139	20"	33"	19"	3"
WMECOTEC199CS2	84	199	160	184	20"	33"	19"	3"

Evergreen Pro Gas Boilers



- Stainless Steel Fire Tube Heat Exchanger with non-metallic base
- Floor Standing or Wall Mount Boiler (optional wall mount kit for 220-399 sizes)
- Available in 5 Sizes: 110, 155, 220, 299, 399 MBH
- Modulating Condensing Boiler
- 95% AFUE (110-299); 96.5% Combustion Efficiency (399)
- 4 Pump/Auxiliary Outputs (Example: 1 boiler loop pump +3 zone pumps)
- Up to 8 Multiple Boiler Control with lead/lag rotation
- Modbus® to BMS connectivity
- Each input can be assigned to a priority (Up to 3 Priorities)
- Multiple Inputs can be assigned one priority (Zone Based Control)
- All Lag Boiler Inputs and Output can be used
- 0-10 Volt Input (modulation or set point)
- Configurable Auxiliary Input/Output System
- Boiler Circulator Included (ECM version with 110-155)

BTUH	GAS CONNECTION SIZE	STOCK NO	EACH
299,000	¾"	*WMEVG299S1*	*26845.20*
399,000	¾"	*WMEVG399S1*	*32839.45*

LP Conversion Kits

299,000 Models *WM540202841* *437.04*

399,000 Models *WM540202842* *437.04*

Wall Mount Kit

WM383900074 . . . . . *191.05*

Outdoor Temp Senor

WM384000325 . . . . . *623.31*

Specifications

Model Number	AFUE	CSA Input (MBH)	Net (MBH)	DOE Heating Cap (MBH)	Dimensions (Inches) Width	Height	Depth	Pump Size Supply & Return Piping	Vent Diameter
WMEVG299S1	95.0	299	243	280	23"	45"	16 5/16"	1½"	4"
WMEVG399S1	96.5	399	333	383	23"	45"	16 5/16"	1½"	4"

Simplicity Gas Combi Boilers



- Available in 110, 150, and 199 MBH
- 95% AFUE for reduced energy consumption and costs
- Suitable for combi or heat-only applications
- Stainless steel firetube heat exchanger ensures long-lasting performance
- Designed for easy setup and servicing
- Intuitive touchscreen display for easy navigation
- Connect via smartphone with Bluetooth®
- Ready for integration with heat pumps

BTUH	STOCK NO	EACH
110,000	*WMSMP110CS1*	*8425.39*
150,000	*WMSMP150CS1*	*9094.07*
199,000	*WMSMP199CS1*	*10531.74*

Specifications

Model Number	AFUE	CSA Input (MBH)	Net (MBH)	DOE Heating Cap (MBH)	Dimensions (Inches) Width	Height	Depth	Vent Diameter
WMSMP110CS1	95	110	87	100	20"	34"	16"	2" or 3"
WMSMP150CS1	95	150	121	139	20"	34"	16"	2" or 3"
WMSMP199CS1	95	199	160	184	20"	34"	20"	2" or 3"

ECO Tec & Simplicity LP Conversion Kits

BTUH	STOCK NO	EACH
80,000 & 110,000 Models	*WM510811415*	*236.43*
150,000 Models	*WM510811416*	*236.43*
199,000 Models	*WM510811417*	*236.43*

ECO Tec & Simplicity Easy-Up Manifold

STOCK NO	EACH
WM383700343	*928.99*

WEIL-McLAIN Boilers

weil-mclain.com



GV90+ Series Gas Boilers

- 91% AFUE efficient
- Durable cast iron primary heat exchanger
- Condensing stainless steel secondary heat exchanger
- Unique 7 pass heat exchanger design maximizes heat transfer
- Vents with PVC
- Multiple ventilation options (direct vent, direct exhaust, concentric)
- Easy conversion to propane (kit included)

BTUH	GAS CONNECTION SIZE	STOCK NO	EACH
70,000	½"	WMGV903	6824.07
105,000	½"	WMGV904	7301.37
140,000	½"	WMGV905	8416.40
175,000	½"	WMGV906	9515.52

Specifications

Model Number	AFUE	CSA Input (MBH)	Net (MBH)	DOE Heating Cap (MBH)	Dimensions (Inches) Width	Height	Depth	Pump Size Supply & Return Tappings	Vent Diameter
WMGV903	91.9	70	56	65	24⅝"	30¾"	30¾"	1"	3"
WMGV904	91.2	105	84	97	24⅝"	30¾"	30¾"	1"	3"
WMGV905	91.4	140	113	130	24⅝"	30¾"	37¾"	1"	3"
WMGV906	91	175	140	161	24⅝"	30¾"	37¾"	1"	3"

CGa Gas Boiler Series 3



- Natural draft, silent operation
- Compact design saves valuable living space
- Now with built-in low water cut off functionality
- Stainless steel burners for quieter ignition, longer life, and improved combustion
- Gas fired water boiler with cast iron sections
- Easily accessible controls, vertical flueways and top cleaning for easy and quick servicing
- 84% AFUE
- Boiler circulator is shipped loose.
- Circulator may be mounted on either boiler supply or return piping.

BTUH	GAS CONNECTION SIZE	STOCK NO	EACH
Natural Gas			
38,000	½"	WMCGA25PIDN	3803.23
67,000	½"	WMCGA3PIDN	4243.58
100,000	½"	WMCGA4PIDN	4647.32
133,000	½"	WMCGA5PIDN	5226.70
166,000	½"	WMCGA6PIDN	6009.80
200,000	¾"	WMCGA7PIDN	6683.11
233,000	¾"	WMCGA8PIDN	7152.72
Propane (LP)			
67,000	½"	WMCGA3PIDL	4243.58
100,000	½"	WMCGA4PIDL	4647.32
133,000	½"	WMCGA5PIDL	5226.70

Specifications

Model Number	AFUE	CSA Input (MBH)	Net (MBH)	DOE Heating Cap (MBH)	Dimensions (Inches) Width	Height	Depth	Pump Size Supply & Return Piping	Vent Diameter
WMCGA25PIDN	84	38	27	32	19"	28⅜"	23¼"	¾"	4"
WMCGA3PIDN	84	67	48	56	19"	28⅜"	23¼"	1"	4"
WMCGA4PIDN	84	100	73	85	22"	28⅜"	23¼"	1"	5"
WMCGA5PIDN	84	133	98	113	25"	28⅜"	23¼"	1"	6"
WMCGA6PIDN	84	166	122	141	28"	28⅜"	23¼"	1¼"	6"
WMCGA7PIDN	84	200	147	170	31"	28⅜"	23¼"	1¼"	7"
WMCGA8PIDN	84	233	172	198	34"	28⅜"	23¼"	1½"	7"
WMCGA3PIDL	84	67	48	56	19"	28⅜"	23¼"	1"	4"
WMCGA4PIDL	84	100	73	85	22"	28⅜"	23¼"	1"	5"
WMCGA5PIDL	84	133	98	113	25"	28⅜"	23¼"	1"	6"

CGi Gas Boiler Series 4



- Gas fired water boiler with cast iron sections
- Natural draft and direct exhaust capability
- Can be used with natural or propane gas
- Now with built-in low water cut off functionality
- Compact design saves valuable living space
- No vertical draft hood and no mechanical vent damper
- Intermittent electronic ignition with standard components for easy servicing
- 84% AFUE
- Boiler circulator is shipped loose.
- Circulator may be mounted on either boiler supply or return piping.

BTUH	GAS CONNECTION SIZE	STOCK NO	EACH
58,000	½"	WMCGI3PIN	4720.50
90,000	½"	WMCGI4PIN	5174.25
119,000	½"	WMCGI5PIN	5813.41
158,000	½"	WMCGI6PIN	6556.25
190,000	¾"	WMCGI7PIN	7380.81
222,000	¾"	WMCGI8PIN	8068.76

Specifications

Model Number	AFUE	CSA Input (MBH)	Net (MBH)	DOE Heating Cap (MBH)	Dimensions (Inches) Width	Height	Depth	Pump Size Supply & Return Piping	Vent Diameter
WMCGI3PIN	84	58	42	49	19"	28⅜"	23¼"	1"	4"
WMCGI4PIN	84	90	66	77	22"	28⅜"	23¼"	1"	5"
WMCGI5PIN	84	119	88	102	25"	28⅜"	23¼"	1"	5"
WMCGI6PIN	84	158	117	135	28"	28⅜"	23¼"	1¼"	5"
WMCGI7PIN	84	190	140	162	31"	28⅜"	23¼"	1¼"	6"
WMCGI8PIN	84	222	164	189	34"	28⅜"	23¼"	1½"	6"

LP kits & Accessories

LP Conversion Kits

FOR MODEL #	STOCK NO	EACH
CGi Gas Boiler Series 4		
WMCGI3PIN, WMCGI4PIN, WMCGI5PIN	WMCGI35LPKIT	351.61
WMCGI6PIN	WMCGI6LPKIT	351.61
WMCGI7PIN, WMCGI8PIN	WMCGI78LPKIT	351.61
CGa Gas Boiler Series 3		
WMCGA25 - WMCGA7	WMCGA257LPKIT	610.48
WMCGA8PIDN	WMCGA8LPKIT	605.34

7" Draft Hood

STOCK NO	EACH
CGa Gas Boiler Model WMCGA8PIDN	
WMCGA8DH	258.88

WEIL-McLAIN

Residential - Noble Series

Noble Series
Fire Tube Combi Boilers



Standard Features:
- SMART CONTROL™ Enhanced Operating System
- Outdoor Reset Control with outdoor air sensor
- 1" Water Connections & ½" Gas Connections
- Industry-Leading DHW Delivery Up to 4.8 GPM
- Vertical and horizonral direct-vent: PVC, CPVC, Polypropylene or
- Stainless Steel Venting up to 100 feet
- Low water flow safety control and indication
- Cascading Sequencer for up to 8 units

PUMP CONTROLS	STOCK NO	EACH
3 - Fire Tube Unit	*NKB080*	*3894.99*
3 - Fire Tube Unit	*NKB110*	*4088.15*
3 - Fire Tube Unit	*NKB150*	*4448.74*
2 - Combi Unit	*NKC199N*	*5276.44*

Combi parts available online

LP Kit for Nobel Series

CREATES MODEL #	STOCK NO	EACH
NKB 080 L	*100361273*	*103.52*
NKB / NKC / NCF 150 L	*100346280*	*125.39*
NKB / NKC / NCF 199 L	*100346292*	*125.39*
*NKB 080 L**	*100339889**	*424.28*

** LP kit for models prior to Serial Number 2230*

Model Number	BTU per hour Input	Output	AFUE%	Air Inlet	Vent Size
NKB080(N)	80,000	76,000	95.0	2"	2 or 3"
NKB110(N)	110,000	104,500	95.0	3"	3"
NKB150(N)	150,000	142,500	95.0	3"	3"

Model Number	Input (MBH) Min.	Max.	AFUE%	Heating Cap. MBH	Net MBH	Air Inlet	Vent Size
NKC199N	19.9	199	95.0	185	161	3"	3"

Noble Combi Series Accessories

STOCK NO	EACH
¾" Valve Kit for Noble Combi Series	
100112156	*202.66*
Pump & Gasket Assembly for Combi	
100275607	*225.99*
Domestic Brazed Plate for Combi	
100275501	*303.26*
Domestic Heat Exchanger Gasket	
100275593	*8.75*

Lochinvar Accessories

STOCK NO	EACH
Flow Switch	
WTR2040K	*201.20*
ModBus for KB 81-286	
KIT30070	*384.91*
ModBus for WH 55-399	
KIT30071	*403.87*
ModBus Field Kit	
KIT30154	*323.09*
BACnet Comm. Kit for FTXL	
100232602	*403.87*
BACnet Comm. Kit for KH/WH	
100269974	*403.87*
BACnet Comm. Kit for KBX XL	
100330256	*403.87*
Low Water Cut-Off w/Manual Reset	
WTR20009K	*271.19*
Modbus for Knight XL	
KIT30069	*323.09*
Lon Works Comm. Kit for Knight XL	
KIT30095	*1750.77*
Multi Temp Loop Control - Knight XL	
RLY30086	*676.51*
CON-X-US Mobile Connect Remote	
KIT30151	*687.01*
CON-X-US Wireless Outdoor Sensor	
TST20039K	*456.35*

Tuneup Kit Extension Mod.

STOCK NO	EACH
for AW/KBN 601-801, SBN/SBR	
MOD30001	*282.85*
for WH 55-399	
MOD30000	*109.35*

Residential - Knight Series

Knight Fire Tube Boiler



Standard Features:
- SMART SYSTEM Digital Controls
- Modulating Burner with 10:1 Turndown
- Outdoor Reset Control with outdoor air sensor
- ASME Stainless Steel Heat Exchanger
- PVC,CPVC, Polypropylene or Stainless Steel Venting up to 100 feet
- ECM Variable Speed Pump
- Cascade up to 8 Boilers

STOCK NO	EACH
Residential • LP Kit NOT Included	
KHB085	*6738.66*
KHB110	*6992.71*
KHB155	*8395.23*
KHB199	*10020.19*
KHB285	*13832.06*

Knight Series Specifications

Model Number	Input MBH Min.	Max.	AFUE%	Heating Cap. MBH	Net MBH	Turndown Ratio
KHB085/WHB086	8.5	85	95	79	69	10:1
KHB110/WHB110	11.1	110	95	102	89	10:1
KHB155/WHB155	15.5	155	95	144	125	10:1
KHB199/WHB200	19.9	199.9	95	185	161	10:1
KHB285/WHB285	28.5	285	95	264	229	10:1
WHB399	80	400	94.4*	380	323	5:1

***Thermal Efficency %**

Knight Series
Wall Mount Fire Tube Boiler



Standard Features:
- SMART SYSTEM Digital Controls
- Outdoor Reset Control with outdoor air sensor
- Modulating Burner with up to 10:1 Turndown
- ASME Stainless Steel Heat Exchanger
- PVC,CPVC, Polypropylene or Stainless Steel Venting up to 100 feet
- ECM Variable Speed Pump
- Cascade up to 8 Boilers

STOCK NO	EACH
Residential • LP Kit NOTIncluded	
WHB085	*6738.66*
WHB110	*6992.71*
WHB155	*8395.23*
WHB199	*10020.19*
WHB285	*13832.06*
WHB399	*18222.26*



LP Conversion Kits for Knight Series

FOR MODEL #	STOCK NO	EACH
KHB055, KHN055, WHN056, WHB055	*100268040*	*99.14*
KHB085, KHN085, WHN086, WHB085	*100268104*	*99.14*
KHB110, KHN110, WHN111, WHB110	*100285815*	*110.81*
KHB155, KHN155, WHN156, WHB155	*100285817*	*110.81*
KHB199, KHN199, WHN200, WHB199	*100285818*	*147.26*
KHB285, KHN285, WHN286, WHB285	*100268109*	*151.63*
WHB399	*100350354*	*170.59*

See page 801 or 807 for Vent and Accessories

Lochinvar

Commercial Boilers (22)

Lochinvar Boilers
lochinvar.com

Knight XL Series Heating Boiler

Standard Features:
- 97% Thermal Efficiency
- 7" Touch Screen with Built-in ConXus
- Modulating Burner with 10:1 Turndown
- Stainless Steel Water Tube Heat Exchanger
- Vertical and Horizontal Direct Vent, Direct Vent up to 150 feet
- Smart System Control



STOCK NO	EACH
XL Commercial	
KBX0400N	*20975.79*
All Models Below Includes CSD-1	
KBX0500N	*27469.77*
KBX0650N	*34329.03*
KBX0800N	*42421.04*
KBX1000N	*47470.94*

Stock Number	Max Input Btu/Hr	Min Input Btu/Hr	Gross Output MBH	Net AHRI Rating MBH	Gas Conn.	Water Conn.	Air Inlet	Vent Size	Jacket Dimensions HxWxD
KBX0400N	399,000	39,900	387	337	1"	2"	4"	4"	45" x 24" x 33½"
KBX0500N	500,000	50,000	485	422	1"	2"	4"	4"	45" x 24" x 33½"
KBX0650N	650,000	65,000	631	549	1¼"	2"	4"	6"	45" x 24" x 42½"
KBX0800N	800,000	80,000	776	675	1¼"	2"	4"	6"	45" x 24" x 42½"
KBX1000N	999,000	99,900	969	843	1¼"	2½"	6"	6"	45" x 24" x 50"

FTXL Series Fire Tube Boiler

Standard Features:
- Up to 98% Thermal Efficiency
- SMART SYSTEM Digital Controls
- Loch-N-Link™ USB thumb drive port for easy programming
- Four-Pump Control
- CON•X•US Remote Connect provides the ability to monitor and manage multiple boilers from a downloadable application
- Vert. or Horiz. Direct Vent up to 100 feet PVC, CPVC, Polypropylene or AL29-4C
- Cascading Sequencer with built-in redundancy



STOCK NO	EACH
Commercial	
FTX400N	*21170.13*
All Models Below Includes CSD-1	
FTX500N	*27721.48*
FTX600N	*33472.06*
FTX725N	*38552.98*
FTX850N	*44094.00*

Stock Number	Output MBH	Vent Size	Net AHRI Rating MBH	Thermal Eff.	Gas Conn.	Outlet Water Conn.	Jacket Dimensions HxWxD
FTX400N	392	4"	341	98.0	1"	2"	53½" x 26¼" x 30½"
FTX500N	489	4"	425	97.7	1"	2"	53½" x 26¼" x 30½"
FTX600N	585	4"	509	97.5	1"	2"	53½" x 26¼" x 30½"
FTX725N	705	6"	613	97.2	1"	2½"	53½" x 26¼" x 33"
FTX850N	825	6"	717	97.0	1"	2½"	53½" x 26¼" x 33"

See page 801 or 807 for Vent and Accessories

Laars Boilers (22)
laars.com

NeoTherm XTR Hydronic Boilers

Features:
- Stainless steel, low pressure drop heat exchanger
- Responsive dual-venturi combustion system
- 96% Thermal Efficiency
- 10:1 turndown
- Efficient
- Low NOx emissions
- 10 year limited warranty



SIZE	STOCK NO	EACH
Natural Gas Hydronic Boilers		
399 MBH	*NT2H0399*	*16969.41*
All Models Below Includes CSD-1		
500 MBH	*NT2H0500*	*21775.80*
650 MBH	*NT2H0650*	*24455.52*
800 MBH	*NT2H0800*	*27892.08*
999 MBH	*NT2H0999*	*41398.56*

Size	Thermal Efficiency	Input BTU/hr	Output BTU/hr	Connection Water	Size (NPT) Gas	WxHxD
399	96.7	399,000	386,000	2"	1"	27"x 52¾"x 47¼"
500	96.6	500,000	483,000	2"	1"	27"x 52¾"x 47¼"
650	96.5	650,000	627,000	2"	1¼"	27"x 52¾"x 54¼"
800	96.4	800,000	771,000	2"	1¼"	27"x 52¾"x 54¼"
999	96.3	999,000	962,000	2½"	1½"	27"x 52¾"x 57¾"

IBC Boilers (22)
ibcboiler.com



SL Series Condensing Boiler

Standard Features:
- New Touch Screen V-10 Boiler Control & V-10 Portal Mobile Control: Express set up, Remote monitoring & diagnostics, Easy USB programmability, Optional true native BACnet, Intuitive alert system.
- PVC/CPVC/PPs approved.
- Built-in CSA/UL approved LWCO and manual reset high limit.
- Built-in multiple zone pump control - up to 4 zones replacing the need for external pump controls.
- Built-in outdoor reset control of water temperature.
- MFZ Technology: Patented moisture management system. Protects/ensures long life for all components in the boiler.
- Reverse flow detection.
- Unmatched safety features.
- Easier to install and service.
- Limited Lifetime Warranty

BTU/H	A.F.U.E.	STOCK NO	EACH
Light Commercial models LP ONLY			
26,000 to 260,000	*95%*	*SL26260G3LP*	*9884.75*
40,000 to 399,000	*96%*	*SL40399G3LP*	*15947.84*
Light Commercial Natural Gas • LP Kit Included on 115 - 199 models ONLY			
14,000 to 115,000	*95%*	*SL14115G3*	*6147.23*
20,000 to 160,000	*95%*	*SL20160G3*	*7651.94*
32,000 to 199,000	*95%*	*SL30199G3*	*9203.04*
26,000 to 260,000	*95%*	*SL26260G3**	*9884.75*
40,000 to 399,000	*96%*	*SL40399G3**	*15947.84*

***LP Kit NOT Included**

Stock Number	Vent Size Sch. 40	Vent Length	Combustion Air Sch. 40	Gas Inlet	Water inlet	Water outlet	Jacket Dimensions HxWxD
SL14115G3	2 or 3"	100 or 240'	3"	½"	1"	1"	32" x 20" x 13.1"
SL20160G3	2 or 3"	35 or 170'	3"	½"	1"	1"	32" x 21.8" x 14.8"
SL30199G3	3"	150'	3"	½"	1"	1"	32" x 22.5" x 16.3"
SL26260G3	3"	200'	3"	¾"	1½"	1½"	35.6" x 25" x 17.6"
SL40399G3	4"	200'	4"	¾"	1½"	1½"	39.9" x 27" x 19.5"



VX Series Condensing Boiler

Standard Features:

- Express set up, Remote monitoring & diagnostics, Easy USB programmability, Intuitive alert system.
- Fully automated, ASME, 439 grade, SS firetube heat exchanger
- Cascade up to 4 units
- PVC/CPVC/PPs approved, vent lengths up to 480 ft
- Built-in CSA/UL approved LWCO and manual reset high limit.
- 6.5 turndown ratio.
- Built-in 4 zone pump or valve control.
- Built-in outdoor reset control of water temperature.
- MFZ Technology: Patented moisture management system.
- All models feature common parts.
- Unmatched safety features.
- 5 Year limited manufacturer's parts warranty.
- Limited 15 year residential heat exchanger warranty.

BTU/H	A.F.U.E.	STOCK NO	EACH
High-Efficiency Residential • LP Kit Included			
16,900 to 110,000	*95%*	*VX110*	*4623.09*
23,000 to 150,000	*95%*	*VX150*	*5000.62*
30,600 to 199,000	*95%*	*VX199*	*5317.74*

Stock Number	Vent Size Sch. 40	Vent Length	Combustion Air Sch. 40	Gas Inlet	Return Water Outlet	Supply Water outlet	Jacket Dimensions HxWxD
VX110	2 or 3"	100 or 240'	3"	½"	1"	1"	28.13" x 17.75" x 16.88"
VX150	2 or 3"	50 or 170'	3"	½"	1"	1"	28.19" x 18.81" x 18.63"
VX199	3"	150'	3"	½"	1"	1"	28.19" x 20.44" x 19.63"

EZ Pipe Manifold

Primary/Secondary piping manifold comes "Installation Ready" and ensures proper flow through the boiler for maximum system performance without call-backs.



STOCK NO	EACH
Part# 251-063B - SFC Superflow 125 For use with SFB99, SFC125 & HC Series	
251063	*480.00*
Part# 251-064B - SFC Superflow 199 For use with SFC199	
251064	*523.15*

SFB Series Superflow Boiler

Standard Features:

- New illuminated touchscreen display panel
- 3 year track record
- Will accept a 0-10 VDC signal
- Compatible with standard Propylene Glycol
- Up to 96% AFUE with full ASME-rated heat exchanger
- Packaged with a high efficiency variable speed pump (ECM)
- Outdoor reset technology increases efficiency by lowering the water temperature automatically
- Advanced modulating temperature control
- 15-Year Heat Exchanger, 5-Year Parts Warranty



CSA OUTPUT - MBH	A.F.U.E.	STOCK NO	EACH
Residential • LP Kit Included			
14.8 - 89	*96%*	*SFB99*	*3865.88*
13 - 108	*95%*	*SFB120*	*4218.60*

Stock Number	Exhaust Size Sch. 40	Combustion Air Sch. 40	Heating Water Inlet/outlet	Gas Inlet	Condensate outlet	Jacket Dimensions HxWxD
SFB99	2"	2"	1"	¾"	¾"	32.5"x17.7"x10.9"
SFB120	2"	2"	1"	¾"	¾"	32.5"x17.7"x10.9"

HC Series Condensing Boiler

Standard Features:

- Unique and innovative single pass Copper/Aluminum heat exchanger, ensuring greater efficiency and eliminating water side corrosion.
- Full ASME-rated vessel.
- Built-in boiler pump.
- PVC/CPVC/PPs approved.
- 2" & 3" venting options available.
- Contractor friendly, easy to install, maintain and service.
- Fewer parts ensuring greater reliability.
- Outdoor reset technology increases efficiency by lowering the water temp automatically.
- Reset heating - Set point - DHW.
- Includes Air Vent, Outdoor Sensor & Relief Valve.
- 10-Year Limited Warranty



BTU/H	A.F.U.E.	STOCK NO	EACH
Residential • LP Kit NOT Included			
15,000 to 95,000	*95%*	*HC1595*	*3865.88*
33,000 to 160,000	*94%*	*HC33160*	*4372.85*

Stock Number	Exhaust Size Sch. 40	Combustion Air Sch. 40	Heating Water Inlet/outlet	Gas Inlet	Condensate outlet	Jacket Dimensions HxWxD
HC1595	3"	3"	1"	½"	¾"	29.0"x19.8"x11.1"
HC33160	3"	3"	1"	½"	¾"	31.3"x19.8"x11.1"

LP Kits for HC/DC Series

Converts Natural Gas to LP

FOR MODEL #	STOCK NO	EACH
HC1595	*P747*	*40.37*
HC29106	*P700*	*53.96*
HC20125	*P737*	*40.37*
HC33160 & DC33160	*P702*	*40.37*

SFC Series Dual Fired Combi Boiler

Standard Features:

- Two independent copper coils embedded in a cast aluminium heat exchanger.
- New illuminated touchscreen control panel
- Compatible with standard Propylene Glycol
- Built-in bypass valve
- No need for a 3-way valve or secondary DHW plate heat exchanger
- Will accept a 0-10 VDC signal
- 95% AFUE with full ASME-rated heat exchanger
- High-efficiency variable speed pump (ECM)
- Outdoor reset technology increases efficiency by lowering the water temperature automatically
- Advanced modulating temperature control



BTU/H INPUT	BTU/H OUTPUT	A.F.U.E.	STOCK NO	EACH
Residential • LP Kit Included				
16,500 to 99,000	*15,800 to 88,900*	*95%*	*SFC125*	*4249.88*
28,300 to 125,000	*27,100 to 111,000*	*95%*	*SFC199*	*4600.44*

Stock Number	Exhaust outlet Sch. 40	Combustion Air Sch. 40	Cold/Hot Water Connection	Heating Water Inlet/outlet	Gas Inlet	Condensate outlet	Jacket Dimensions HxWxD
SFC125	3"	3"	½" MNPT	¾"	½"	¾" Hose	32.5"x17.7"x11.2"
SFC199	3"	3"	¾" MNPT	¾"	¾"	¾" Hose	32.5"x17.7"x11.2"

SFC Series Parts Kit

FOR MODEL #	STOCK NO	EACH
SFC125 & SFC199	*P911*	*3559.55*

Boiler Trim Kit

- (1) Caleffi DISCAL® air separator
- (1) Backflow preventer: ½" NPT, sweat or press union
- (1) AutoFill™
- (1) Expansion tank check valve
- (2) Brass nipples: 3"
- (1) NPT brass tee
- (1) Expansion tank



STOCK NO	EACH
CANA553366	*648.05*

IBC Boilers (22)

ibcboiler.com



CX Series High Efficiency Combi Condensing Boiler

Standard Features:

- Touchscreen Boiler Control: Express Setup
  Remote Monitoring & Diagnostics
  Easy USB Programmability • Intuitive Alert System
  Simplified Load Combining • Visible Flame Current
- ASME, 439 grade, SS firetube HX
- Brazed plate HX for DHW production
- Cascade up to 4 units
- Full boiler capacity available for both DHW and space heating
- 10:1 turndown ratio
- PVC/CPVC/PPs approved, vent lengths up to 50 ft. (2") and 170 ft. (3")
- Built-in combi block for supply of DHW and service from front of unit
- Built-in 4 zone pump or valve control
  - In addition to the primary control – 5 pumps total
  - Replaces the need for external zone control
- Built-in factory wired primary pump
- Built-in CSA/UL approved LWCO and manual reset high limit
- Includes outdoor reset control of water temperature
- MFZ Technology: Patented moisture management protocol.
  Protects and ensures long life for all components in the boiler.

BTU/H	A.F.U.E.	STOCK NO	EACH
High-Efficiency Residential Natural Gas			
15,000 to 150,000	*95%*	*CX150*	*5114.96*
20,000 to 199,000	*95%*	*CX199*	*5433.16*
High-Efficiency Residential LP			
15,000 to 150,000	*95%*	*CX150L*	*5114.96*
20,000 to 199,000	*95%*	*CX199L*	*5433.16*

Stock Number	Vent Size Sch. 40	Vent Length	Combustion Air Sch. 40	Gas Inlet	Return Water Outlet	Supply Water outlet	Jacket Dimensions HxWxD
CX150 (L)	2"	50'	3"	1/2"	1"	1"	36 7/8" x 18 9/16" x 17 1/16"
CX199 (L)	2 or 3"	170 or 100'	3"	1/2"	1"	1"	36 7/8" x 20" x 17 1/8"

LP Kits for CX Series

Converts Natural Gas to LP

FOR MODEL #	STOCK NO	EACH
CX150	*P1600*	*188.76*
CX199	*P1602*	*296.63*



EX Series High Efficiency Commercial Fire Tube Boiler

Standard Features:

- Touchscreen control with remote monitoring & diagnostics
- Turndown ratio of 10:1
- With 24 networked boilers turndown ratio is 240:1
- Full BACnet capability included
- Primary pump and zone pump controller – up to 4 zones
- MFZ Moisture management protocol
- Reverse flow detection
- Outdoor reset control of water temperature
- CSA/UL approved low water cut-off and manual reset high limit
- CSD-1 Compliant
- High grade 439 stainless steel construction
- Innovative saddle-bolt lit hardware
- Condensed flue gasses clean vertical flue tubes while draining
- Custom water flow baffling to ensure even heat transfer and long life
- Available in either NG or LP factory set or field convertible

BTU/H	A.F.U.E.	STOCK NO	EACH
High-Efficiency Commercial Natural Gas			
50,000 to 500,000	*97%*	*EX50500*	*19841.77*
70,000 to 700,000	*97%*	*EX70700*	*27966.16*
85,000 to 850,000	*97%*	*EX85850*	*34661.48*

Stock Number	Vent Size Sch. 40	Vent Length	Combustion Air Sch. 40	Gas Inlet	Water Outlet	Water Inlet	Jacket Dimensions HxWxD
EX50500	4"	170' (Each Side)	4"	1"	2"	2"	59 1/16" x 28" x 30 7/16"
EX70700	6"	120' (Each Side)	4"	1"	2 1/2"	2 1/2"	59 1/16" x 28" x 33 1/4"
EX85850	6"	120' (Each Side)	4"	1"	2 1/2"	2 1/2"	59 1/16" x 28" x 33 1/4"

Bosch Boilers (22)

bosch-climate.us



Greenstar Wall Mounted Combination Space Heating & Domestic Hot Water

- Venting length up to 100' each way with 3" PVC pipe, up to 8 elbows
- Venting combined length up to 81' with 2" PVC (except for model ZBR423)
- Ultra quiet operation
- 5:1 Turndown Ratio

Standard Equipment:

- Integrated Grundfos 3-Speed Pump
- DHW Sensor for Sidearm Tank
- Manifold Bracket
- CRC200 & Heat-Tronic Controls
- Twin Flue Pipe Adapters
- Lifetime Heat Exchanger Warranty - 5 Years Parts & Labor

INPUT MBH	STOCK NO.	EACH
89,400	*ZWB283*	*5305.82*
151,600	*ZWB423*	*5903.28*

ZWB Series SPECIFICATIONS (Space Heating Modules)

Combi Boiler Number	Input BTU/hr	DOE Heating Capacity BTU/hr	Net I=B=R Rating BTU/hr	AFUE Eff. %	DHW Max. Flow @ 72°F	Dimensions WxHxD	Tapping Conn.	S&R Gas Conn.	Vent Size
ZWB283	100,800	89,400	79,000	95	2.6 gpm	17.4x33.5x13.9	1"	3/4"	2-3"
ZWB423	151,600	134,400	117,000	95	4 gpm	17.4x33.5x13.9	1"	3/4"	2-3"

Greenstar Condensing Gas Boilers

- This space heating boiler can be operated on NG or LP (kit included).
- Venting length up to 100' each way with 3" PVC pipe, up to 8 elbows
- Venting combined length up yo 81' with 2" PVC (except for model 151/ZBR423)
- Ultra quiet operation
- 5:1 Turndown Ratio

Standard Equipment:

- Integrated Grundfos 3-Speed Pump
- DHW Sensor for Sidearm Tank
- Manifold Bracket
- Heat-Tronic III Controls
- Twin Flue Pipe Adapters
- CRC200 Programmable Controller Wall Mounted
- Lifetime Heat Exchanger Warranty - 5 Years Parts & Labor





Greenstar Gas Boiler

WALL MOUNT

CRC200 Programmable Controller
Heatronic III Control

INPUT MBH	STOCK NO.	EACH
79,200	*ZBR213*	*4471.20*
100,800	*ZBR283*	*4612.46*
151,600	*ZBR423*	*5960.95*

Greenstar Gas Boiler

FLOOR MOUNT

Heatronic III Control

INPUT MBH	STOCK NO.	EACH
79,200	*KBR213*	*4752.43*
100,800	*KBR283*	*4896.94*
151,600	*KBR423*	*6514.99*

FW200 Weather Control Sold Separately

ZBR/KBR Series SPECIFICATIONS (Space Heating Modules)

Boiler Number	Input BTU/hr	DOE Heating Capacity BTU/hr	Net I=B=R Rating BTU/hr	AFUE Eff. %	Dimensions WxHxD	S&R Tapping Conn.	Gas Conn.	Vent Size
Z/KBR163	57,200	50,800	45,000	95	17.4 x 33.5 x 13.9	1"	3/4"	2-3"
Z/KBR213	79,200	71,000	62,000	95	17.4 x 33.5 x 13.9	1"	3/4"	2-3"
Z/KBR283	100,800	89,400	79,000	95	17.4 x 33.5 x 13.9	1"	3/4"	2-3"
Z/KBR423	151,600	134,400	117,000	95	17.4 x 33.5 x 13.9	1"	3/4"	2-3"

Accessories (21)

Comfort Control Manager

CZM100 • For 3-Zone Relay

For Pump or Zone Valves

STOCK NO	EACH
7738110112	*717.47*

Thermostats

STOCK NO	EACH
CRC100 Comfort Controller	
7738110090	*145.18*
CRC200 Programmable Controller	
7738111034	*276.30*

Wall Mounted Residential Condensing Gas Boilers



Standard Equipment:
- TDR up to 15:1
- Dual Stainless Steel Heat Exchanger
- SCH 40 2" PVC Venting up to 60'
- SCH 40 3" PVC Venting up to 150'
- Field Convertible Gas System

Residential Warranty:
- 15 Year Limited Heat Exchanger Warranty
- 5 Year Limited Parts Warranty
- 1 Year Limited Labor Warranty

STOCK NO	TDR	EACH
NHB55H	7:1	2750.96
NHB80H	10:1	3007.13
NHB110H	11:1	3263.29
NHB150H	15:1	3519.45
NFB200H	15:1	4076.33

Boiler Number	Input BTU/hr Min.	Input BTU/hr Max.	Heating Capacity MBH	AFUE Eff. %	Net AHRI Rating, Water[3] MBH	Gas Conn.	Vent Size
NHB55H	8,000	55,000	51,000	95	44,000	3/4"	2-3"
NHB80H	8,000	80,000	74,000	95	64,000	3/4"	2-3"
NHB110H	10,000	110,000	102,000	95	89,000	3/4"	2-3"
NHB150H	10,000	150,000	138,000	95	120,000	3/4"	2-3"
NFB200H	13,300	199,900	182,000	95	158,000	1/2"	2-3"

NaviLink™ Wi-Fi Control



Allows adjusting water temperatures, access usage data, and receive diagnostic notifications all from using an app from their smartphone or tablet

STOCK NO	EACH
PBCMAS001	300.71

(18)

Universal temperature sensor



Works with NFC, NFC-H, NHB, NFB, NFB-H and NFB-C Series. 1 year warranty.

STOCK NO	EACH
GXXX001769	26.73

Backflow Damper Kit

Required for venting up to 8 units

STOCK NO	EACH
30014367B	75.74

NFB-C High Efficiency Condensing Heating Boiler



Features:
- 97.5% TE Industry Leading Thermal Efficiency
- Patented stainless steel fire tube heat exchanger
- 160 PSI maximum operating pressure
- Advanced controls with intuitive 7" color display
- Up to 15:1 TDR (turndown ratio)
- BAS communication capability
- Common vent up to 4 and cascade up to 16 units
- Top & bottom piping
- 10-year Limited heat exchanger, (12) residential.
- 3-year parts warranty, (5) residential.

GAS	STOCK NO	EACH
Natural Gas	NFB399C	12251.25

Model #	BTU Input Natural Gas Minimum	BTU Input Natural Gas Maximum	DHW Capacity	Supply Temp. Range	AFUE %
NFB-399C	26,000	399,000	389,900	77 - 194°F	97.5

NFB-C Common Vent Collar Kit



For use when cascading Navien NFB-C Series

STOCK NO	EACH
30022799A	93.56

NFC Condensing Fire Tube Combination Boiler



Features:
- Patented Compact Stainless Steel Fire Tube Heat Exchanger
- Advanced Controls with Intuitive User Interface
- 95% AFUE - Energy Star certified
- NFC175 TDR up to 11:1
  NFC250 DHW 15:1 TDR and heating 13:1 TDR
- DHW Module with Mixing and Water Adjustment Valves
- Multiple Venting Options Up to 150'
- Common Venting Up to 8 Units (7 NPE for NFC250) and Cascading Up to 16 Units (15 NPE for NFC250)
- 10-year Limited heat exchanger
- 5-year Limited parts warranty

GAS	WATER PRESSURE	WATER CONNECTION	STOCK NO	EACH
Natural Gas/LP	6 - 80 psi	1" NPT	NFC250	4711.16

Model #	BTU Input Ratings Minimum	BTU Input Ratings Maximum	DHW Capacity	Flow Rate 45°F Rise	AFUE %
NFC-250/175H	13,300	175,000	210,000	8.4 GPM	95.0

Condensing NCB Series Combination Boiler



Features:
- Smart controls LCD display, quick dial wheel & Setup Wizard
- Advanced stainless steel dual heat exchangers
- 15:1 DHW and up to 11:1 heating TDR
- Field convertible gas system (NG/LP) up to 10,100 ft.
- Capable of cascading up to 15 NPE water heaters
- Capable of common venting up to 7 NPE water heaters
- Built-in 3 zone pumps and 3 zone valves powered connections
- 2" venting up to 65' and 3" venting up to 150'

GAS	STOCK NO	EACH
Natural Gas or LP	NCB190080H	3775.61
Natural Gas or LP	NCB240H	4009.50
Natural Gas or LP	NCB250H	4477.28

Model #	BTU Input Natural Gas Minimum	BTU Input Natural Gas Maximum	DHW Connection	Flow Rate 45°F Rise	AFUE %
NCB-190/080H	11,000	80,000	3/4" NPT	6.4 GPM	95.0
NCB-240/110H	13,300	199,900	3/4" NPT	7.9 GPM	95.0
NCB-250/150H	14,000	210,000	3/4" NPT	7.8 GPM	95.0

Accessories

Quick Install Manifolds

Plumb-Easy valve kit for NCB-H & NFC-H on page 501

STOCK NO	EACH
Primary Stainless Steel Manifold for use with Navien NCB-H & NFC-H Series	
30026576A	643.75
For use with Navien NFB Series	
GFFMMSOZUS002	786.31
For use with Navien NHB-H Series	
GXXX002396	792.99

(18)

1" Easy Isolation Valve

LESS Relief Valve

STOCK NO	EACH
30010950A	211.61

(18)

Outdoor Reset Sensor



With BH2101280B Wire

For use with NCB Series

STOCK NO	EACH
30012950A	69.05

Buderus Boilers (22)

www.buderus.com/en/

Series GC-144
Cast Iron Residential Gas Boiler



- Stainless Steel Corrosion Resistant Premix Burners.
- Flexible GL-180M cast iron.
- Electronic Ignition available.
- Boilers set for natural gas - sea level
- AGA/CGA certified.

Standard Equipment:
- Stainless steel premixed burners.
- Tridicator gauge.
- Honeywell aquastat.

STOCK NO	EACH
GC14418II	*4447.44*

Boiler Number	Input BTU/hr	DOE Heating Capacity BTU/hr	Net I=B=R Rating BTU/hr	AFUE Eff. %	FLUE Vent/B
GC14418II	74,000	61,400	53,000	85	5"/8"

Beckett Burner for Buderus Oil Boilers

With Pump

FOR BURNER	STOCK NO	EACH
G115WS4	*11115WS4KP*	*1988.19*

The following items are required by state code on boilers over 400 MBH input.

(Please check with local inspector)

DESCRIPTION	STOCK NO	EACH
Probe type manual reset low water cut-off	*550SV*	*331.28*
Manual reset high limit	*SF410671*	*324.68*

IBC Interstor (22)

ibcboiler.com

BTI 40 & BTI 55
Indirect Water Heaters



Features:
- High performance domestic hot water.
- Stainless steel construction, pickled & passivated.
- High capacity smooth wall stainless steel coil.
- Maintenance free design.
- Light weight for easy installation.
- 2" of polystyrene foam insulation.
- Removable inspection port.
- Standard Aquastat & 10KΩ temperature sensor.

10 Year non-prorated residential warranty with limited lifetme option

STOCK NO	EACH
Residential	
BTI40	*2006.29*
BTI55	*2394.60*

Model	US Gallon	Floor to Heater Top (inches)	Jacket Diameter (inches)	Domestic Water In/Out (inches)	Boiler Water In/Out (inches)	Max First Hour Rating @ 135° F	Boiler Output BTU/HR
BTI 40	39.9	47"	21.4"	¾" NPT	1" NPT	188	100,000
BTI 55	56.5	62.8"	21.4"	¾" NPT	1" NPT	200	100,000

INTERSTOR - 80 MAX
Indirect Water Heater

NEW ITEM



Features:
- Made of durable high quality AISI 444 Stainless Steel, coil made of 316L stainless steel, which provides added durability and corrosion resistance
- 100% pickled & passivated for the highest possible resistance to corrosion.
- 3" thick polyurethane foam insulation, reducing standby tank temperature losses
- Includes 10K DHW tank sensor
- Maintenance free design.
- Durable steel jacket

10 Year non-prorated residential warranty with limited lifetme option

STOCK NO	EACH
Commercial	
IWT80MAX	*4726.65*

Model	US Gallon	Height (inches)	Diameter (inches)	Domestic Water In/Out (inches)	Boiler Water In/Out (inches)	Max First Hour Rating @ 135° F	Boiler Output BTU/HR
IWT 80-MAX	75	64½"	24½"	1" NPT	1" NPT	719	420,000

IWT 119 MAX
Indirect Water Heater



Features:
- High performance domestic hot water.
- Stainless steel construction, pickled & passivated.
- High capacity smooth wall stainless steel coil.
- Maintenance free design.
- Light weight for easy installation.
- 2" of polystyrene foam insulation.
- Removable inspection port.
- Standard Aquastat & 10KΩ temperature sensor.

10 Year non-prorated residential warranty with limited lifetme option

STOCK NO	EACH
Commercial	
IWT119MAX	*5907.77*

Model	US Gallon	Floor to Heater Top (inches)	Jacket Diameter (inches)	Domestic Water In/Out (inches)	Boiler Water In/Out (inches)	Max First Hour Rating @ 135° F	Boiler Output BTU/HR
IWT 119 MAX	119	65.7"	28"	1½" NPT	1½" NPT	753	420,000

FT Series Floor Boiler



Features:
- Built-in Low Loss Header
- 10:1 Turndown
- Simultaneously Heat Space & Domestic Water
- Ultra High Efficiency 95% AFUE
- Industry Leading Domestic Hot Water Delivery
- Multiple Venting Options
- All Piping Connections Located on Top
- Contractor & Installation Friendly
- Limited 10 year heat exchanger / 5 year parts Warranty

STOCK NO	EACH
120v • LP Conversion Kit included	
Combi Boiler	
LFTCF199	*6160.80*
Heat Only Boiler	
LFTHF199	*5678.66*

Model	Max Input BTU/hr	Heating "CH" Supply/Return	DHW Inlet/Outlet	Gas Inlet	Thermal Eff. %	Turndown Ratio	HxWxD
LFTCF199	199,000	1½" NPT	¾" NPT	¾" NPT	95%	10:1	38.25"x17.9"x19.6"
LFTHF199	199,000	1½" NPT	-	¾" NPT	95%	10:1	38.25"x17.9"x19.6"

Mascot FT Gas-Fired Boilers



Features:
- Up to 10:1 Modulation
- Natural or propane gas
- Direct vent up to 100'
- Low NOx Emissions
- Integrated DHW Indirect Tank
- Superior DHW Performance on Combi Models

Includes internal pump on all models


Combi Boiler

SIZE	STOCK NO	EACH
Natural Gas Hydronic Boilers • 95% AFUE Efficiency		
100	*MFTHW100*	*3655.30*
140	*MFTHW140*	*3938.24*
199	*MFTHW199*	*4217.90*
Natural Gas Hydronic Combination Water Heater & Boiler		
199	*MFTCW199*	*4986.63*

Size	Air & Vent 2 Pipe	Input BTU/hr kW	Output BTU/hr kW	AFUE % Nat. Gas	WxHxD
80	3"	80,000	74,400	95	17.3" x 29" x 14.9"
100	3"	100,000	93,000	95	17.3" x 29" x 14.9"
120	3"	120,000	111,600	95	17.3" x 29" x 14.9"
140	3"	140,000	130,200	95	17.3" x 29" x 14.9"
199	3"	199,000	189,050	95	16.2" x 32" x 16.2"
199	3"	199,000	189,050	95	19.6" x 32" x 16.3"

LFTHW FT Series Gas-Fired Boilers



Features:
- Full Modulation 10:1 Turndown
- Natural or propane gas
- Direct vent up to 150'
- Low NOx Emissions
- Cascade up to 4 units

SIZE	STOCK NO	EACH
Natural Gas Hydronic Boilers • 95.4% Thermal Efficiency		
399	*LFTHW399NX*	*12992.20*
Floor Stand		
CA021920		*911.25*

Size	Air & Vent 2 Pipe	Input BTU/hr kW	Output BTU/hr kW	Thermal Efficiency	WxHxD
399	3"	399,000	379,000	95.4	25.4" x 32.7" x 20.7"

Mascot FT Manifold Kits

The manifold return and supply connections will mate directly to the supply and return connections on the bottom of the boiler. Anti-seize/thread sealant is recommended on the connections. Be sure to use the supplied gaskets in the return and supply unions.

USE WITH	SYSTEM CONNECTION	INDIRECT WATER HEATER CONNECTION	STOCK NO	EACH
Combination Heat/Hot Water Models	*1½"*	*N/A*	*P2134400*	*502.74*
Heat Only Models 80-140	*1¼"*	*1"*	*P2135900*	*708.59*
Heat Only Model 199	*1½"*	*1¼"*	*P2135800*	*753.69*

Mini-Therm JX Gas-Fired Boiler



Features:
- Integral low water cut off, manual or automatic reset mode
- Digital temperature display
- Contacts to control three pumps
- Economy modes auto adjusts water temperatures to reduce fuel use
- Outdoor reset capability
- Spark to pilot ignition
- Low voltage terminal block for ease of installation and wiring
- Domestic hot water priority for indirect water heater installations
- Powered relay contacts for external devices

Standard Equipment:
- Low Loss Header Standard on 125, 150 & 200 MBH models
- Optional on 50, 75 & 100 MBH models

STOCK NO	EACH
Natural Gas	
JX050N	*3037.74*
JX075N	*3223.09*
JX100N	*3522.44*
JX125N	*3666.78*
JX150N	*3905.44*
JX200N	*4723.92*

Use WHS1 Bolier Stand listed below for all 18" elevated installations

Size	Input BTU/hr	Capacity BTU/hr	AFUE % Nat. Gas	Water Connection	Gas Connection	W x H x D
50	50,000	42,000	84	1¼"	¾"	11¾" x 31⅝" x 25⅛"
75	75,000	63,000	84	1¼"	¾"	14½" x 31⅝" x 25⅝"
100	100,000	84,000	84	1¼"	¾"	17⅜" x 32⅛" x 25½"
125	125,000	105,000	84	1¼"	¾"	20⅛" x 32⅛" x 25"
150	150,000	126,000	84	1¼"	¾"	23" x 32⅛" x 25"
200	199,000	168,000	84	1¼"	¾"	28⅜" x 32¼" x 24⅝"

JX LP Conversion Kits

BTU INPUT	STOCK NO	EACH
50,000 - 199,000	*CA019921*	*223.56*

Mini-Therm Boiler Stand



18 Gauge • 650lb. Limit

SIZE WxHxD	STOCK NO	EACH
21"x 21"x 18"	*WHS1*	*135.30*

MagnaTherm FT



Features:
- 95% Thermal Efficiency
- 15:1 Modulation Turndown Ratio
- TRU TRAC™ O_2 Trim
- LAARS LINC® Intuitive Touch Screen Controls
- CF-Tech™ Contoured Flue Tube Technology
- Indoor/Outdoor Rated; Flexable Installation

STOCK NO	EACH
120v/1 Phase	
CFH1000	*48817.73*

Model	Min Input BTU/hr	Max Input BTU/hr	Min Output BTU/hr	Max Output BTU/hr	Thermal Eff. %	Comb. Eff. %	Turndown Ratio	WxHxD
1000	67,000	999,000	63,000	950,000	95.8	96.1	15:1	30.2"x80.0"x70.5"

OmniTherm



Features:
- Up to 7:1 Turndown Ratio
- Electronic Fuel-to-Air Ratio Control
- Up to 90% Thermal Efficiency
- Stainless Steel Heat Exchanger
- Indoor/Outdoor Rated
- Laars Linc® Intuitive Touch Screen Controls
- Low Return Water Temperatures Allowed

STOCK NO	EACH
120v/1 Phase	
OCH1250	*35152.19*
OCH1750	*40064.28*
OCH2000	*43170.02*

Model	Input Rate BTU/hr	Output Rate BTU/hr	Thermal Eff. %	Comb. Eff. %	Turndown Ratio	WxHxD
1250	1,250,000	1,098,000	87.8	87.7	5:1	24½"x66"x39"
1750	1,750,000	1,523,000	87.0	86.7	7:1	32"x69"x53"
2000	1,999,900	1,756,000	87.8	87.5	5:1	32"x78"x53"

SW Series
Gas-Fired Water Boilers



- Assembled Boiler with Insulated Jacket
- EMC Circulator Included.
- Completely Installed and Wired Gas Control System with Titanium Composite Burners and Manifold consisting of:
  - Automatic Redundant Combo Gas Valve
  - 24 Volt Intermittent Pilot Control
  - Continuous Retry 100% Shut-Off
  - Combination Pilot Burner/Electrode/Flame Sensor
- 24 Volt Transformer, Service Switch
- Flame Roll-Out Safety Shut-Off (Fuse Link) and Pressure Switch (Vent Safety Shut-Off) with Spare Fuse Link Included
- Induced Draft Fan
- Combination Temperature/Pressure Gauge
- A.S.M.E. Relief Valve
- 20 Year Limited Warranty (Residential Applications)

½" Natural Gas Inlet • AFUE 84% • 120 Volts, 15 Amps, 60 Hz.

BTUH	STOCK NO	EACH
75,000	UHSW75	3932.25
112,500	UHSW112	4339.20
150,000	UHSW150	4855.95
187,500	UHSW187	5685.36

Specifications

Model Number	Input (MBH)	Heating Capacity (MBH)	Net AHRI (MBH)	Dimensions (Inches)			Pump Size Supply & Return Tappings	Vent Diameter	
				Width	Height	Depth		To Chimney	Horizontal
UHSW75	75.0	63	55	14¼"	29"	23¼"	1¼"	4"	3"
UHSW112	112.5	95	82	17½"	29"	23¼"	1¼"	4"	3"
UHSW150	150.0	127	109	20¾"	29"	23¼"	1¼"	4"	3"
UHSW187	187.5	158	282	24"	29"	23¼"	1¼"	4"	4"

15C Series
Gas-Fired Water Boilers



- Energy saving features include the electronic ignition system and motorized vent damper to reduce your heating costs.
- Exceptional Heat Exchanger Design
- Features a dependable cast iron heat exchanger with cast iron push nipple connections. The sections and push nipples expand at the same rate when heated. By using similar materials instead of less expensive gaskets, the boiler maintains a water tight seal.
- Hydrolevel Operating Control
  - Features digital display and diagnostics
  - Adjusts the water temperature based on your heating system demand which further reduces your heating costs
  - Built-in low water cut-off (LWCO) to protect the boiler from potentially dangerous low water conditions
- Integral Draft Diverter
- Features factory installed integrated draft hood diverter, which reduces the risk of improper draft hood installation and unsafe CO levels. Low profile reduces installation height by up to 30" as compared to models with an external draft diverter hood
- 10 Year Limited Heat Exchanger

1¼" Water Return/Supply • AFUE 84% • 120 Volts, 60 Hz, 1 phase

BTUH	BURNERS	STOCK NO	EACH
262,000	7	UH15C8D	6455.11
299,000	8	UH15C9D	6833.40

Specifications

Model Number	Input (MBH)	Heating Capacity (MBH)	Net Water (MBH)	Dimensions (Inches)			Water Content Gallons	Flue Diameter (Inches)	Gas Inlet
				Width	Height	Depth			
UH15C-8D	262	221	192	27½"	36⅜"	26½"	12.7	7"	½" NPT
UH15C-9D	299	252	219	30¾"	36⅜"	26½"	14.4	7"	½" NPT

15B Series K
Gas-Fired Water Boilers



- Energy saving features include the electronic ignition system and motorized vent damper to reduce heating costs.
- EMC Circulator Included.
- Proven Cast-Iron Heat Exchanger Design
- Features a dependable cast-iron heat exchanger with dry leg end sections. Each cast-iron heat exchanger is water and pressure tested prior to assembly.
- Hydrolevel controller
- Digital display and diagnostics. Control adjusts the water temperature based on the heating system demand to reduce your heating costs.
- Internal LWCO and Gas Valve
- Factory installed low water cut-off (LWCO) protects the boiler from potentially dangerous low water conditions.
- Flexible Installation, left or right side hydronic piping and electrical wiring options available.
- Easy to Service Burner
- Pull out burner drawer and removable burner tube tray allow for easy cleaning and quick access to change orifices; LP gas, high altitude.
- Easy to Install Draft Diverter
- Includes a low profile draft diverter hood reducing installation height by up to 30" when compared to models with external hoods.
- 2+Second Zone Capable with Circulator Cable (550004166 - Below)
- 20 Year Limited Warranty (Residential)

1¼" Water Return/Supply • AFUE 84% • 120 Volts, 60 Hz, 1 phase

BTUH	STOCK NO	EACH
59,000	UH15B060K	3386.87
92,500	UH15B095K	3709.08
120,000	UH15B120K	3983.57
149,000	UH15B150K	4448.99
175,000	UH15B175K	4897.72
205,000	UH15B205K	5503.96
235,000	UH15B235K	5990.87

Specifications

Model Number	Input (MBH)	Heating Capacity (MBH)	Net Water (MBH)	Dimensions (Inches)			Water Content Gallons	Flue Diameter (Inches)	Gas Inlet
				Width	Height	Depth			
UH15B0-60K	59	50	43	13⅜"	32⅛"	24⅛"	1.9	4"	½" NPT
UH15B0-95K	92.5	78	68	13⅜"	32⅛"	24⅛"	2.3	5"	½" NPT
UH15B-120K	120	101	88	16¼"	32⅛"	24⅛"	2.8	6"	½" NPT
UH15B-150K	149	125	109	19"	32⅛"	24⅛"	3.2	6"	½" NPT
UH15B-175K	175	147	128	21⅞"	32⅛"	24⅛"	3.7	7"	½" NPT
UH15B-205K	205	172	150	27½"	32⅛"	24⅛"	4.1	7"	¾" NPT
UH15B-235K	235	197	171	27½"	32⅛"	24⅛"	4.6	7"	¾" NPT

Second Circulator Zone Harness Kit

FOR USE WITH	STOCK NO	EACH
15B Series	550004166	79.65

LP Kits

FOR USE WITH	STOCK NO	EACH
SW Series	UHSW	170.10
15C Series	UH15C	186.30
15B Series K	UH15BK	137.70

Axiom Neutralizers (40)

axiomind.com

(40)

NeutraPump



- Integral baffles force the acidic fluid through Axiom's LipHter+ media for maximum neutralization
- Pumps come with auxiliary dry contacts in event of a high-level fluid condition
- Pumps are ETL certified and come with standard 120v plug-in connection

TANK	INLET CONNECTION	HOSE	STOCK NO	PRICE
1 Gallon	¾" FNPT	20' of ⅜" Vinyl	AXNT1P	249.02
Replacement LipHter Neutralization Media				
For AXNT1P			AXNM1P	72.12

Model Number	BTU/hr	At Efficency	Produces Gal/hr
NT1-P	500,000	93%	1.9

GUIDELINE ONLY - Visit www.axiomind.com for sizing calculator

(40)

NeutraPal



- Raise the pH level of the acidic condensate to a more neutral level which:
  - Prevents acidic fluid from damaging drains, sewer systems and concrete
  - Helps maintain a safe environment for bacteria in septic systems
- Made with corrosion resistant materials for long term durability
- Tanks and capsules come with connection hardware kits
- Includes an initial charge of Axiom's unique blend of LipHter+ neutralizing media

TANK	INLETS/OUTLETS	HOSE	STOCK NO	PRICE
.26 Gallon	½" hose barb	10' of ½" Vinyl	AXNC1	135.41
.53 Gallon	½" hose barb	10' of ½" Vinyl	AXNC2	207.52
.26 Gallon	¾" FNPT	N/A	AXNC1W	119.07
Replacement LipHter Neutralization Media				
For AXNC1, AXNC2 & AXNC1W			AXNM1	51.71
42lbs For AXNC1, AXNC2 & AXNC1W			AXNM1BULK	520.51

Model Number	BTU/hr	At Efficency	Produces Gal/hr
NC-1	400,000	93%	1.6
NC-2	1,000,000	93%	4.0
NC-1W	400,000	93%	1.6

GUIDELINE ONLY - Visit www.axiomind.com for sizing calculator

(40)

NeutraPro



- Integral baffles that weave the acidic fluid through Axiom's unique blend of LipHter media for maximum neutralization
- Low inlet connections accommodate near floor condensate outlets
- Ideal for commercial gas-burning appliances (up to 7,000,000 btu/h)
- Integral bypass feature prevents condensate backflow

TANK	INLETS/OUTLETS	UNIONS	PLUG	STOCK NO	PRICE
3.5 Gal.	(3) 1" FNPT	(2) 1" NPT	1" NPT	AXNT15	393.27
4.8 Gal.	(2) 1" FNPT	N/A	N/A	AXNT25	463.35
Replacement LipHter Neutralization Media					
For AXNT15				AXNM15	141.52
For AXNT25.				AXNM25	150.36

Model Number	BTU/hr	At Efficency	Produces Gal/hr
NT15	3,000,000	96%	20
NT25	7,000,000	96%	45
(2) NT25	12,000,000	96%	80

GUIDELINE ONLY - Visit www.axiomind.com for sizing calculator

(40)

PuroPal



Disposable cartridge with a translucent exterior
When media is expired the resin will change from blue to beige
Designed for single point of use applications
One PuroPal-1 cartridge will treat approximately 65 Gallons

SIZE	STOCK NO	PRICE
¾" FGHT Connections.	AXPUROPAL	196.64

DiaNorm Panel Radiators (22)

heatlines.com

Panel Radiators "Solidoflux - N"



- Fluted front panel, made from .049" steel.
- Convection tunnels welded on the water channels.
- Baked on white powder coating.
- Air bleeder and flowsetter valve.

Piping connections:
R20 Male Metric, approximately ¾" (located at the bottom of the radiator)

MODEL	SIZE	WATER CAP. PER FT.	STOCK NO.	EACH
22	12" Height x 24" Length	.43 Gallons	DN21224	409.83
22	20" Height x 24" Length	.56 Gallons	DN22024	456.52
22	24" Height x 16" Length	.56 Gallons	DN22416	411.01
22	24" Height x 24" Length	.65 Gallons	DN22424	482.15
22	24" Height x 36" Length	.65 Gallons	DN22436	588.49
22	24" Height x 48" Length	.65 Gallons	DN22448	694.63

Model Number	Size	Width	BTU Output @ 180° F	Max. Working Pressure	Max. Working Temp.	Water Capacity per Ft
22	12 x 24	4"	2850	147 psi	250°	.43 Gal
22	20 x 24	4"	4000	147 psi	250°	.56 Gal
22	24 x 16	4"	4000	147 psi	250°	.56 Gal
22	24 x 24	4"	4600	147 psi	250°	.65 Gal
22	24 x 36	4"	6900	147 psi	250°	.65 Gal
22	24 x 48	4"	9200	147 psi	250°	.65 Gal

Thermostatic Radiator Valves

For use with Panel Radiators

STOCK NO	EACH
H1365	45.36

Radiator Diverter Valves

STOCK NO	EACH
½" Straight	
H5933	62.64

Isolation Valves

STOCK NO	EACH
½" Straight	
H5813	49.68
½" Angled	
H5814	49.68

Adapters

STOCK NO	PAIR
½" Dianorm Pex Assembly	
H6850A	17.28
½" Dianorm Copper Compression	
HM3831S	18.36

Standard Heated Towel Racks

Square tubing frame and round inner tubing.

SIZE	STOCK NO.	EACH
24"x48"	DN44824	764.61

Model Number	Size	Total Depth	BTU Output @ 180° F
Standard	24 x 48	4"	3024



See page 922 for Danfoss Radiator Zone Valves

DiaNorm RADIATORS

Mini-Boiler



- Full element modulation
- Added LED status indicators
- 20 Year element and boiler vessel warranty
- 100% efficient
- Built-in electronic water temperature control with front panel temperature select
- Quiet solid state and DC relays
- Thermostat or end switch connection
- Circulating 10 amp switch relay

Dimensions:
29"H x 10½"W x 9"D • ¾" NPT • 55 lbs. • .95 Gallon

BTU/H	STOCK NO	EACH
Staging (Single Zone) • Phase 1-60 Hz • 240/208v		
17,000	*EMBR105*	*1863.00*
30,700	*EMBR109*	*1949.40*
Modulating (Two Zone) • Phase 1-60 Hz • 240/208v		
30,700	*EMBM209*	*2295.00*
40,900	*EMBM212*	*2619.00*
61,400	*EMBM218*	*2845.80*

Model	kW	Watts	Amps	Breakers
EMBR105	5	5,000	21	30A
EMBR109	9	9,000	38	60A
EMBM209	9	9,000	38	60A
EMBM212	12	12,000	50	45A, 45A
EMBM218	18	18,000	75	60A, 60A

Mid-Size Series Boiler

EBM-S: Staging Outlet Temp, Max 170° F
EBM-X: This model has the ability to sense water temperature and maintain an accurate boiler temperature output by only energizing the electric elements for needed output (not full capacity). This eliminates extra costs associated with relays, extra temperature controls, zone boxes, etc., Max 180° F



Features:
- 1" NPT
- 75 lbs.
- 2.20 Gallon vessel

Dimensions:
28"H x 17"W x 10"D

DESCRIPTION	STOCK NO	PRICE
Temp Sensing	*EBMX10*	*2964.60*
Temp Sensing	*EBMX15*	*3304.80*
Temp Sensing	*EBMX20*	*3596.40*
Outlet Temp	*EBMS10*	*2565.00*
Outlet Temp	*EBMS15*	*2905.20*
Outlet Temp	*EBMS20*	*3196.80*

Model	kW	Btu/h	Amps	Voltage	Breakers	Flow/gpm
EBMX10	10	34,000	42	240/1PH	60	3.4
EBMX15	15	51,000	63	240/1PH	60,30	5.1
EBMX20	20	68,000	83	240/1PH	60,60	6.8
EBMS10	10	34,000	42	240/1PH	60	3.4
EBMS15	15	51,000	63	240/1PH	60,30	5.1
EBMS20	20	68,000	83	240/1PH	60,60	6.8

EZB-Eco Radiant Floor Heat Electric Boiler

The EZB-Eco is a complete boiler system for radiant floor heating or hot water baseboard applications.



Features:
- Temperature Sensing
- WarmFlo Modulation Control
- Outdoor Reset Capability
- ETL/Intertek Listed
- ASME H-Stamp Vessel
- 2-Year Parts Warranty
- 20-Year Vessel and Element Warranty

Dimensions:
25"H x 36"W x 13"D, 140 lbs

STOCK NO	PRICE
EZBT1052401	*4125.60*
EZBT1102401	*4325.40*
EZBT1202401	*6058.80*

Model	kW	Btu/h	Amps	Voltage	Phase	Breakers	Max Op Temp
EZB-T1-05-240-1	5	17,000	20.8	240/208	1	30A	180° F
EZB-T1-10-240-1	10	34,100	41.7	240/208	1	60A	180° F
EZB-T1-20-240-1	20	68,200	83.3	240/208	1	60A,60A	180° F

TS Series Boilers



Features:
- Built-in temperature/pressure gauge
- High Mass/Low Mass element regulation
- Boiler status panel
- ASME/CSA US/Canada certification
- Complete front panel accessibility
- Dual Boiler option
- Load Management connection
- Super quiet operation
- 20-year element/vessel warranty

Additional Features for EB-W models only:
- Modulates at a tighter temperature control
- Outdoor sensing with outdoor reset capability.
- The target supply temperature ramps up as it is colder outside.

Dimensions:
- 38"H x 17"W x 17"D
- 1¼" NPT

BTU/H	KW	AMPS	BREAKERS	VOLTAGE	MAX OP TEMP	STOCK NO	EACH
EB-S Electro-Boiler • Single phase 240V							
77,000	*22.5*	*94*	*60,60,30*	*240*	*160°F*	*EBS23*	*3963.60*
92,000	*27*	*113*	*60,60,60*	*240*	*160°F*	*EBS27*	*4282.20*
EB-W Electro-Boiler • Single phase 240V							
46,000	*13.5*	*56*	*60,30*	*240*	*180°F*	*EBWX13*	*3834.00*
61,000	*18*	*75*	*60,60*	*240*	*180°F*	*EBWX18*	*4028.40*
77,000	*22.5*	*94*	*60,60,30*	*240*	*180°F*	*EBWX23*	*4509.00*
92,000	*27*	*113*	*60,60,60*	*240*	*180°F*	*EBWX27*	*4827.60*

Model EB-SSB

Dual Fuel Relay
FOR EB-MS, EB-S & EB-C SERIES ONLY

STOCK NO	EACH
EBSSB	*222.75*

TS Series Staging Relay

STOCK NO	EACH
EBCSTG5	*140.40*

Commercial Series Boilers



EBCA: Supply water sensing Staging

Features:
- 2" NPT • 230 lbs. • 13.12 Gallon vessel

Dimensions:
- 38" H x 20" W x 21" D

STOCK NO	EACH
EBCX36	*6096.60*

Model	kW	Btu/h	Amps	Voltage	Breakers	Flow/gpm
EBCX36	36	123,000	150	240/1PH	100,100	12.3

Model EB-ZTA-1

4-Zone Control, Dual Temp

STOCK NO	EACH
EBZTA1	*383.40*

EZBoiler



The EZBoiler is the complete electric boiler solution for hydronic heating systems.

Features:
- Quiet solid state or DC power relays
- Temperature Sensing
- WarmFlo Modulation Control
- Outdoor Reset Capability
- 2-zone control
- ASME stamped vessel
- 20-Year Vessel and Element Warranty

Dimensions:
34.35"H x 21.85"W x 12"D, 111 lbs

STOCK NO	PRICE
EZBM2152401	*4989.60*

Model	kW	Btu/h	Amps	Voltage	Phase	Breakers	Max Op Temp
EZB-M2-15-240-1	15	51,100	63	240/208	1-60Hz	60A,45A	180° F

Boiler Accessories

millrose.com fieldcontrols.com

(40)

Round Double Spiral Tempered Wire Flue Brushes

DOUBLE SPIRAL	FLUE SIZE	BRUSH DIA	STOCK NO	EACH
43306	¾"	¾"	34DSFLBR	17.92
43312	1½"	1¼"	114DSFLBR	18.39
43316	2"	1¾"	134DSFLBR	19.07
43322	2½"	2¼"	214DSFLBR	23.59
43326	3"	2¾"	234DSFLBR	24.46
43328	3¼"	3"	3DSFLBR	25.15

(40)

Boiler Brush

4" oval shaped brush, long twisted wire handle with 1" ring.

SINGLE SPIRAL	BRUSH SIZE	LENGTH	STOCK NO	EACH
43018	1½"-1⅛"	30"	112FLBR	13.85

IBC Vertical Floor Stand



IBC Boiler Stand

Designed for SL Series (85,115,160,199) • VX Series • HC Series • DC Series • SUPERFLOW. Adjustable feet.

SIZE	STOCK NO	PRICE
58.62" X 24.33"	P267D	377.53

(27)

FIELD GVD Series Vent Dampers



The Gas Vent Damper works automatically to allow natural draft during appliance operation while preventing residual appliance heat and conditioned air from escaping during off cycles. It also prevents the infiltration of cold air during down drafts. Field Controls gas vent dampers (GVD) are made of stainless steel.

Dual safety switches allow the burner to fire only when the damper is in the open position. The GVD will not interfere with existing appliance safety controls, when properly installed.

SIZE	STOCK NO	EACH
4"	GVD4	275.97
5"	GVD5	286.88
6"	GVD6	292.60
7"	GVD7	304.05
8"	GVD8	357.40
9"	GVD9	402.76
10"	GVD10	419.67

(27)

Universal 8' Wiring Harness



Includes 5 Adapters

American Standard, Buderus, Burnham, Fraser-Johnson, Honeywell, Lennox, Lochinvar, Luxaire, Moncreif, Slant Fin, Trane, Utica, Valliant, Weil-McLain, York, gas fired appliance with Penn G-60 & G-65. Ignition system with plug, gas fired appliances with Honeywell ignition modular or L-8148E. Triple Aquastat with plug.

STOCK NO	EACH
46579100	118.52

Harness for GVD Series Dampers:

All harness plug directly into the Effikal controller. (Number at end of harness model indicatess harness length in feet.)

(27)

FIELD Motor for GVD Series Dampers

ALSO for use with Effikal dampers.

STOCK NO	EACH
GVD	197.32

****IMPORTANT****
KNOCK OUT PLUG AND DAMPER BLADE MUST BE REMOVED ON STANDING PILOT APPLICATIONS

(27)

Concrete Slabs

SIZE	STOCK NO	PRICE
24" X 24"	2424COSL	61.14



(27)

Universal Boiler Stand

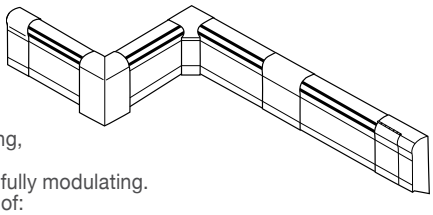
28" between crossbars, carries up to 200lbs

SIZE	STOCK NO	PRICE
24" X 54"	BS2454	549.45

Slant/Fin Radiation (23)

slantfin.com

Base/Line 2000D Hot Water Baseboard Radiation



Ideal for heating in tract housing, apartments and renovations.
With fingertip control damper, fully modulating.
Model BL2000D-75E consists of:

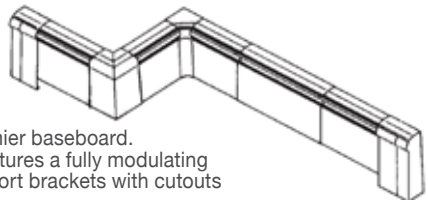
- ¾" copper tube element.
- .009" aluminum fins bent to 2 19/64 x 2 1/8", 56.35 fins per foot.
- End fins are of plated steel.
- Height: 7 3/8"; depth 2 3/4"; lengths 2' to 10' lengths.
- Stocked in Nu-White baked enamel finish.

Splice plate also included with lengths of 5' and longer

HOT WATER RATINGS							
Model Number	Flow Rate GPM	BTU/Hr per Linear Foot with 65°F Entering Air					
		170°	180°	190°	200°	210°	220°
BL-2000-75E	1	500	570	630	700	770	840
	4	530	600	670	740	810	890

Note:
Ratings are for element installed with damper open, with expansion cradles. Ratings are based on active finned length (5" to 6": less than over-all length) and include 15% heating effect factor. Use 4 GPM ratings only when flow is known to be equal to or greater than 4 GPM; otherwise 1 GPM ratings must be used.

Fine/Line 30 Baseboard Radiation



Fine/Line 30 is America's premier baseboard.
It's super strong enclosure features a fully modulating damper and extra-heavy support brackets with cutouts for return piping.

- Height: 7 7/8"; depth: 2 11/16; lengths 2' to 8'
- Precision, piano hinged accessories
- Zip-Strip carton opens in seconds
- Stocked in Nu-White baked enamel

Splice plate also included with lengths of 5' and longer

HOT WATER RATINGS										
Baseboard Number	Flow GPM	Pressure Drop*	BTU/Hr per Linear Foot with 65°F Entering Air							
			170°	180°	190°	200°	210°	215°	220°	230°	240°
30-75	1	47	510	580	640	710	770	810	840	910	970
	4	525	540	610	680	750	810	860	890	960	1030

* Milinches per foot.

Note:
Ratings are for element installed with damper open, with expansion cradles. Ratings are based on active finned length (3" less than over-all length) and include 15% heating effect factor. Use 4 GPM ratings only when flow is known to be 4 or more GPM; otherwise 1 GPM ratings must be used.

Base/Line 2000D Cover Only

LENGTH	STOCKNO	EACH
2'	2BL2000D	19.00
3'	3BL2000D	28.50
4'	4BL2000D	38.00
5'	5BL2000D	47.50
6'	6BL2000D	57.01
7'	7BL2000D	66.51
8'	8BL2000D	76.01
10'	10BL2000D	95.01

Base/Line 2000D Accessories

LENGTH/DESCRIPTION	STOCK NO	EACH
2" End Cap		
Left	2BLLHEC	11.31
Right	2BLRHEC	11.31
4" Hinged End Cap, 4"		
Left	4BLLHEC	19.83
Right	4BLRHEC	19.83
Wall Trim		
4"	4BLWT	8.52
Hinged Inside Corner		
90°	90BLIC	15.75
135°	135BLIC	17.44
Outside Corner		
90°	90BLOC	32.40
135°	135BLOC	33.94
Filler Sleeve		
7" Wide	7BLFISL	19.85
12" Wide	14BLFISL	24.29

2" Splice Plate Set

STOCK NO	PER SET
2BLSPPL	8.93

No. E-75 Element Only For Base/Line 2000D and 30D

LENGTH	STOCK NO	EACH
2'	2E75EL	23.85
3'	3E75EL	35.78
4'	4E75EL	47.71
5'	5E75EL	59.63
6'	6E75EL	71.56
7'	7E75EL	83.49
8'	8E75EL	95.41

Base/Line 2000D & Fine/Line 30 Accessories

DESCRIPTION	STOCK NO	EACH
Neoprene Riser Ring		
	30RIRI	4.14
Plastic Expansion Cradle		
Fine/Line 30	30EXCR	2.43
T-Shot Nailing Tool		
	30NATO	67.13

(21)

Slant Fin Touch-Up Paint

STOCK NO	EACH
4.5 oz. Nu White	
SF102650	37.42

No. 30D Cover Only

LENGTH	STOCK NO	EACH
2'	30D2W	30.15
3'	30D3W	45.22
4'	30D4W	60.29
5'	30D5W	75.36
6'	30D6W	90.44
7'	30D7W	105.51
8'	30D8W	120.58

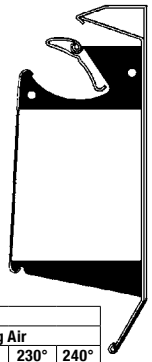
Fine/Line 30 Accessories

LENGTH/DESCRIPTION (NU-WHITE)	STOCK NO	EACH
4" Hinged End Cap		
Left	30DLHW	23.83
Right	30DRHW	23.83
4" Hinged Wall Trim		
Left	30DLHWTW	24.97
Right	30DRHWTW	24.97
8" Hinged Valve Cover		
Left	30LHVACOW	48.88
Right	30RHVACOW	48.88
Hinged Inside Corner		
90 °.	30DIS90W	17.86
135°	30DIS135W	34.01
Hinged Outside Corner		
90 °.	30DOS90W	35.12
135 °.	30DOS135W	37.22
Filler Sleeve		
14" wide	1430FISLW	34.82
7" wide	730FISLW	25.91
Splice Plate Set		
2"	30DSPW	9.88
Solid Wall Trim		
4"	30D4WT	11.04

Support Bracket with pivot

STOCK NO	EACH
30SUBR	11.85

Multi/Pak 80 Baseboard Radiation



Multi/Pak 80 is the ideal choice for deluxe residential heating or for light commercial heating requirements. It's built with hefty brackets, 18 gauge front panels and finished in nu-white baked enamel.

No 83-A Baseboard 8⅞"H x 3½"D:
with H-3 element, ¾" nominal copper tube, 3⁵⁄₃₂ x 2½ x .0135" aluminum fins.

No 84-A Baseboard 8⅞"H x 3½"D:
with H-4 element, 1" nominal copper tube, 3¹⁵⁄₃₂ x 2¼ x .012" aluminum fins.

HOT WATER RATINGS											
Baseboard Number	Flow GPM	Pressure Drop*	BTU/Hr per Linear Foot with 65°F Entering Air								
			170°	180°	190°	200°	210°	215°	220°	230°	240°
83-A	1	47	650	730	810	890	970	1010	1050	1130	1210
	4	525	690	770	860	940	1030	1070	1110	1190	1280
84-A	1	13	650	730	810	890	970	1010	1050	1130	1210
	4	145	690	770	860	940	1030	1070	1110	1190	1280

* Milinches per foot.

80D Cover Only

Nu-White Baked Enamel

LENGTH	STOCK NO	EACH
3'	380DCO	68.35

No H3 Elements Only • ¾"

LENGTH	STOCK NO	EACH
3'	3H3EL	60.43
4'	4H3EL	80.57
5'	5H3EL	100.71
6'	6H3EL	120.86
7'	7H3EL	141.00
8'	8H3EL	161.14

No H4 Elements Only • 1"

LENGTH	STOCK NO	EACH
3'	3H4EL	80.50
4'	4H4EL	107.34
5'	5H4EL	134.17
6'	6H4EL	161.01
7'	7H4EL	187.84
8'	8H4EL	214.68

Multi/Pak 80 Accessories

DESCRIPTION	STOCK NO	EACH
End Cap, 4" with access		
Left	480ALENCA	30.91
Right	480ARENCA	30.91
Wall Trim, 4" I Slotted Endcap		
Left	480ALWATR	30.91
Right	480ARWATR	30.91
Filler Sleeve		
14" wide	1480AFISL	40.07
7" wide	780AFISL	31.10
Inside Corner		
90°	9080AINCO	21.14
135°	13580AINCO	49.68

DESCRIPTION	STOCK NO	EACH
Outside Corner, with access		
90 deg.	9080AOUCO	48.53

STOCK NO	EACH
Support Bracket	
80ASUBR	10.16
2" Splice Plate Set	
280ASPPL	14.27
Plastic Expansion Cradle	
80AEXCR	2.38



Revital/Line Baseboard Replacement

- Revital/Line™ fits over 90% of all brands of standard residential baseboard...Ours and theirs! (up to 8.5" H x 3" D)
- Available in 2 ft - 8 ft
- No tools needed for most installs
- Lab tested for Max Heat Output
- Powder-coated, Enamel-like finish
- Standard color is Brite White
- Made from Recycled Aluminum
- Decorator Colors & Revital/Line™ XL Available by special order

Revital/Line Cover Only

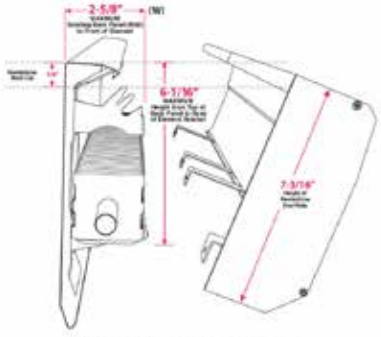
Brite White Enamel-like finish
Powder-coated Recycled Aluminum

LENGTH	STOCK NO	EACH
2'	2RVTLCO	64.06
3'	3RVTLCO	96.09
4'	4RVTLCO	128.12
5'	5RVTLCO	160.15
6'	6RVTLCO	192.19
7'	7RVTLCO	224.22
8'	8RVTLCO	256.25

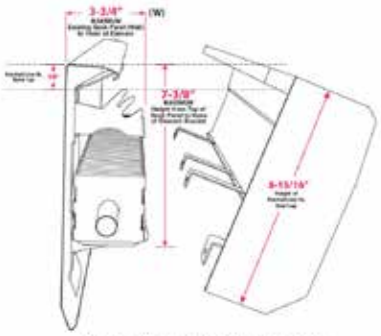
Revital/Line Accessories

DESCRIPTION	STOCK NO	EACH
End Cap, 3 ¾" (Brite White)		
Left	RVTLLHEC	25.66
Right	RVTLRHEC	25.66
Filler Sleeve (Brite White)		
2"	2RVTLFISL	15.78
7"	7RVTLFISL	21.70
14"	14RVTLFISL	29.60

DESCRIPTION	STOCK NO	EACH
Inside Corner, 90 deg.		
Brite White	RVTL90IC	29.60
End Plate		
Brite White	RVTLEP	25.66



Revital/Line Dimensions



Revital/Line XL Dimensions

Slant/Fin Radiation (23)

slantfin.com



Multi/Pak 88 Baseboard Radiation

Multi/Pak 88 is a heavy-duty baseboard heating product that provides specifying engineers and contractors a choice of six interchangeable high output heating elements in one low profile enclosure. This allows for more design flexibility than any competitor's baseboard. The low profile design makes it ideal where space is at a premium, while the extra-high heat outputs of all six elements meet nearly every heating requirement.

Baseboard Dimensional Data 9⅛"H x 3¾"D:

- H3 element, ¾" nominal copper tube, 2 ½" x 2 ¾" x .010" aluminum fins.
- H4 element, 1" nominal copper tube, 2 ½" x 2 ¾" x .011" aluminum fins.

RATINGS											
Element Type	Flow GPM	Average Hot Water Temperature - BTU/Hr./Lin./Ft.									
		120°F	130°F	140°F	150°F	160°F	170°F	180°F	190°F	200°F	210°F
H3	4	269	342	414	466	549	640	740	820	910	990
	1	255	323	392	441	519	610	700	780	860	940
H4	4	267	338	410	461	543	640	730	810	900	980
	1	252	320	388	437	514	610	690	770	850	930

88D Cover Only

Nu-White Baked Enamel

LENGTH	STOCK NO	EACH
2'	288DCO	45.57
3'	388DCO	68.35
4'	488DCO	91.13
5'	588DCO	113.91
6'	688DCO	136.70
7'	788DCO	159.48
8'	888DCO	182.26

No H3 Elements Only • ¾"

LENGTH	STOCK NO	EACH
3'	3H3EL	60.43
4'	4H3EL	80.57
5'	5H3EL	100.71
6'	6H3EL	120.86
7'	7H3EL	141.00
8'	8H3EL	161.14

No H4 Elements Only • 1"

LENGTH	STOCK NO	EACH
3'	3H4EL	80.50
4'	4H4EL	107.34
5'	5H4EL	134.17
6'	6H4EL	161.01
7'	7H4EL	187.84
8'	8H4EL	214.68

Multi/Pak 88 Accessories

DESCRIPTION	STOCK NO	EACH
3" End Cap		
Left	88D3LHEC	30.91
Right	88D3RHEC	30.91
4" Slotted End Cap		
Left	88D4SLHEC	30.91
Right	88D4SRHEC	30.91
Filler Sleeve		
14" wide	88D14FISL	40.07
9" Valve Enclosure		
Left	88D9LHVC	56.95
Right	88D9RHVC	56.95

DESCRIPTION	STOCK NO	EACH
Outside Corner		
90°	88DOC90	56.10
135°	88DOC135	56.10
Inside Corner		
90°	88DIC90	21.14
135°/45°	88DIC135	49.68
Wall Trim		
5" wide	88D5WT	14.77
Splice Plate		
2" wide	88D2SPPL	14.27

Lochinvar Heaters (24)

lochinvar.com

Squire Stainless Steel Indirect Water Heaters



- 316L Passivated Satinless Steel Tank.
- 304L High Capacity Stainlees Steel Coil.
- Fully Welded Construction.
- 1" Boiler Supply/Return Connections
- 1" Domestic Water (30, 40, 50 models)
- 1½" Domestic Water (65, 80, 119 models)
- Factory Supplied Tank Sensor

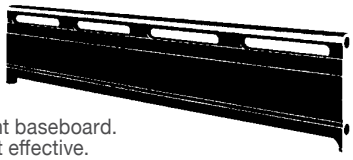
CAPACITY	FIRST DRAW (GAL.)	STOCK NO	EACH
27 Gallons	24	SIT030	2069.89
40 Gallons	27	SIT040	2305.91
52 Gallons	45	SIT050	2887.66
67 Gallons	65	SIT065	3603.48
82 Gallons	74	SIT080	3986.87
113 Gallons	109	SIT119	6086.68

DIMENSIONS								
Stock #	Height	Width	Relief Valve	Boiler In	Boiler Out	Cold Water Inlet	1st Hr Delivery	Continuous Delivery
SIT030	39½"	20"	31¼"	21¾"	8¼"	3"	184	160
SIT040	55½"	20"	48½"	25¼"	8¼"	3"	208	181
SIT050	47"	24"	39¾"	24½"	9¼"	3¾"	255	210
SIT065	60"	24"	52¼"	28"	9¼"	3¼"	328	263
SIT080	69½"	24"	61¾"	28"	9¼"	3¼"	340	266
SIT119	68¼"	28"	60¼"	31¾"	9¼"	3¼"	418	308

(21)

Accessories

DESCRIPTION	STOCK NO	EACH
Aquastat/Thermostat	TST20016	376.16



Governale Gov-Board Cast Iron Baseboard

Baseray is the original cast iron radiant baseboard.
It is designed to be inconspicuous but effective.
In fact, Baseray's design enables heat to be disbursed in both horizontal and vertical directions. And its cast iron construction provides radiant heat, lifetime durability, and dependability.

Length In Lineal Feet*	STEAM Rating Square Feet	Steam Ratings B.T.U. per Hr. @215°F	Hot Water Ratings in BTU PER HOUR AT 500 LBS./HR. (ONE GPM) FLOW RATE AT Average Water Tem[erature Of							
			230°F	220°F	210°F	200°F	190°F	180°F	170°F	150°F
Per Ft.	3.4	820	890	830	770	710	650	590	520	390
2.0 Ft.	6.8	1640	1780	1660	1540	1420	1300	1180	1040	780
4.0 Ft.	13.6	3280	3560	3320	3080	2840	2600	2360	2080	1560

*** Add ½" to length for each bushing. Add 5" to length for each valve enclosure.**

LENGTH	STOCK NO	EACH
Intermediate Assembly		
2'-0"	2I9A	223.44
4'-0"	4I9A	446.89
Right Hand Sub-assembly		
1'-0"	1R9A	111.73
2'-0"	2R9A	223.44
Left Hand Sub-assembly		
1'-6"	112L9A	167.57
2'-0"	2L9A	223.44
Complete Assembly		
1'-6"	1129AC	167.57
2'-0"	29AC	223.44

Gov-Board Accessories

DESCRIPTION	STOCK NO	EACH
Valve Enclosure		
Right hand	RVE9A	56.90
Left hand	LVE9A	56.90
90° Corner Plate Inverted		
4⅝"	458IC9A	62.82
10⅝"	1058IC9A	150.85
Projecting		
5¾"	PC9A	59.95
"Easy Angle" Connection, ¾"		
For 4⅝" Corner	458GC	103.65
Aluminum Foil, 13" high		
100' roll	13X100AF9A	175.79
Baseboard Extension		
6' lengths	6EX9A	182.98
6" End Cap for Extension		
Right hand	REC9A	64.13
Left hand	LEC9A	64.13
Hanger for Baseboard		
Extension	EH9A	16.05
Splice Plate		
	SP9A	26.92
Center Supports		
Top type	BUCS	1.83
Bottom type	BUBS	1.83
Assembly Clamp		
Cam type	BUAC	666.79
Push Nipple (2 per joint)		
3/4"	34PN9A	N/A
Plain Plug		
3/4"	34P9A	N/A
Vented Plug		
3/4 x 1/8"	34X18P9A	N/A
Tie Bolts (1 per joint)		
	TB9A	2.27

Governale™



(40)

Manual Air & Condensate Vent

Nickel Plated Brass

DESCRIPTION	STOCK NO	EACH
With Key		
⅛" Threads	PA605	2.38
Key ONLY		
Slotted	PA606	.54



(18)

Chrome Plated Loose Key Air Bleed Valve with Key

LENGTH	STOCK NO	EACH
⅛" NPT	DB5127	4.06



(18)

Vent Key

LENGTH	STOCK NO	EACH
¼"	1701208	.62

(18)

Air Valve Bleed Valve Key

Chrome plated with 3/16 OD x 21" Copper Tube

STOCK NO	EACH
DB5131	48.81

(24)

1/8 in. NPT Loose Key Coin Air Vent

Chrome plated brass.

STOCK NO	EACH
DB5129	3.77

Hydronic Convectors & Unit Heaters

beacon-morris.com reznorhvac.com

(24)

Beacon Twin-Flo III Kickspace Heater



SIZE HXWXD	STOCK NO	PRICE
3 7/8 x 12 1/4 x 12 3/4"	K42	395.69
3 7/8 x 19 1/4 x 12 3/4"	K84	499.48
3 7/8 x 19 1/4 x 12 3/4"	K120	610.20

Heating Capacity (BTU/Hr*) for All Twin-Flo III Models									
Entering Water	Water Flow Rate (Gallons Per Minute)								
Temperature	1 GALLON			2 GALLON			3 GALLON		
(°F)	K42	K84	K120	K42	K84	K120	K42	K84	K120
**110	1480	3370	8425	1520	3440	8535	1560	3515	8730
**120	1800	4055	8875	1840	4145	8995	1875	4230	9205
**130	2175	4770	9330	2220	4875	9455	2260	4980	9680
140	2590	5540	9780	2640	5670	9915	2690	5795	10150
150	3050	6300	10230	3120	6440	10375	3190	6585	10625
160	3510	7000	10685	3590	7155	10835	3670	7310	11100
170	3895	7730	11135	3980	7900	11295	4065	8070	11570
180	4278	8460	11585	4375	8650	11755	4470	8840	12045
190	4460	9180	12035	4770	9390	12215	4875	9600	12520
200	2015	9910	12490	5127	10135	12675	5240	10360	12990
Friction Loss	.17 ft	.22 ft	.43 ft	.8 ft	.95 ft	1.45 ft	1.2 ft	1.5 ft	2.97 ft

* Based on 65°F entering air temperature with fan at high speed including the heat effect factor.
** Blower operates at water temperature above 140°F with standard self-contained aquastat.
Supply and return connections are 1/2" nominal. Units are not recommended for use with steam.

(24)

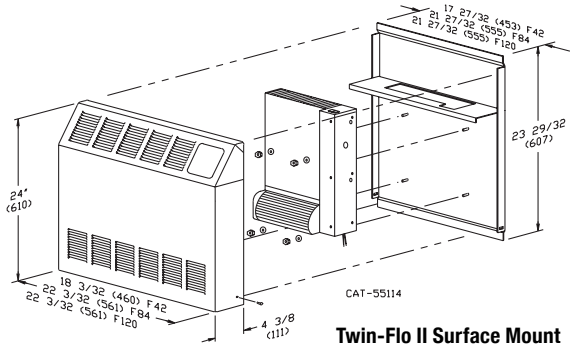
Beacon Surface Mount Kit

FOR USE WITH	STOCK NO	PRICE
K42	F42	317.30
K84	F84	350.44
K120	F120	388.04

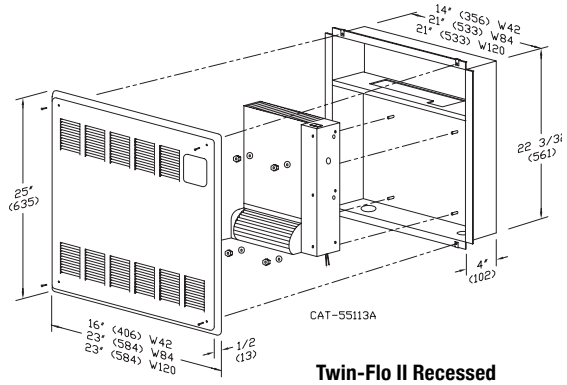
(24)

Beacon Reccessed Mount Kit

FOR USE WITH	STOCK NO	PRICE
K42	W42	317.30
K84	W84	350.44
K120	W120	388.04



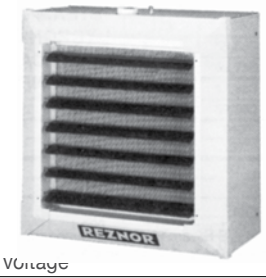
Twin-Flo II Surface Mount



Twin-Flo II Recessed

(26)

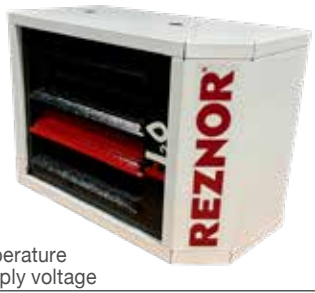
Reznor Model WS Hot Water Unit Heaters



- Vertical or horizontal configuration operates at 60 Hz or 50 Hz
- Hot water pressure up to 150 psi
- Two speed motor wired for 115/1/60 supply voltage

MAXIMUM HEATING CAPACITY (MBH) LOW	HIGH	LOW-HIGH LEAVING AIR TEMP °F	APPROXIMATE AIR VOLUME C.F.M.	COILS IN HEAT EXCHANGER	STOCK NO	EACH
18	24	121-115°	270-400	1	WS1824	1026.47
190	238	140-137°	2,200-2,850	2	WS190238	3693.52

NEW ITEM



(26)

Reznor Model UWS Hot Water Unit Heaters

- Vertical or horizontal configuration
- Hot water pressure up to 150 psi
- Optimized for 140°F entering water temperature
- Two speed motor wired for 115/1/60 supply voltage

MAXIMUM HEATING CAPACITY (MBH) LOW	HIGH	LOW-HIGH LEAVING AIR TEMP °F	APPROXIMATE AIR VOLUME C.F.M.	WATER CONNECTION MALE MPT	STOCK NO	EACH
15	21	33-34°	524-569	3/4"	UWS1521	1129.80
44	62	35-38°	1094-1659	1 1/4"	UWS4462	2140.53
62	77	40-42°	1404-1820	1 1/4"	UWS6277	2232.05
83	104	49-55°	1371-2054	1 1/4"	UWS83104	2754.63
110	137	46°	2200-2805	1 1/4"	UWS110137	3517.36
159	191	44°	3800-4147	1 1/2"	UWS159191	4894.18

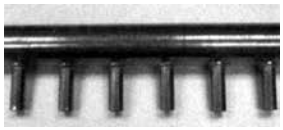
UWS Model	UWS Size	MBH 140°F EWT	MBH 200°F EWT	WS Size
UWS1521	15/21	22	40	23/33
UWS4462	44/62	65	118	78/110
UWS6277	62/77	81	150	96/120
UWS83104	83/104	110	200	140/175
UWS110137	110/137	140	258	190/238
UWS159191	159/191	196	359	300/350



Willow 1" Manifolds

½" Compression

OUTLETS	STOCK NO	EACH
WITH Valve		
2	CVCX1005002	88.90
3	CVCX1005003	130.88
4	CVCX1005004	172.80
LESS Valve		
2	CACX1005002	89.60
3	CACX1005003	131.92
4	CACX1005004	174.20



Manifold Header Stock

24 Outlets

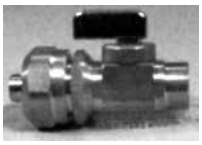
DESCRIPTION	STOCK NO	EACH
1" x ½" Copper	250810	283.85
1" x ¾" Copper	250817	667.43
1¼" x ½" Copper	250820	827.12
1¼" x ¾" Copper	250827	831.25
1½" x ¾" Copper	250830	699.08



End Cap Vent Drain

- Helps with filling and purging system.
- Copper end caps solder onto the ends of copper manifolds in indicated sizes.
- FPT Tapping for ¾" boiler drain and ⅛" air vent.

DESCRIPTION	STOCK NO	EACH
1¼"	250820ECVD	109.95



Straight Ball Valve

Compression Nut to Female Copper Sweat

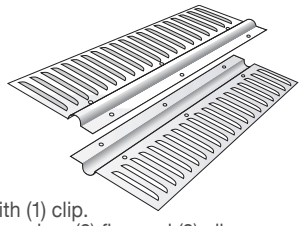
SIZE	STOCK NO	EACH
½ Raupex x ½" Copper	260277	53.27



Everloc Brass Compression-Nut Fitting to Copper Adapters

Designed to provide positive clamping and sealing action with split compression ring. Compression to Female Copper Sweat

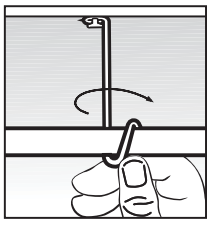
DESCRIPTION	STOCK NO	EACH
½"Raupex x ½"Copper	260997	56.42
¾"Raupex x ¾"Copper	260347	93.30
1" Raupex x 1" Copper	260467	258.33



Ultra-Fin with clips

Each fin comes with (1) clip.
One heat emitter requires (2) fins and (2) clips.

SIZE	STOCK NO	EACH
10"	UF4010	2.48



Ultra-Fin Snake Hanger

MODEL	STOCK NO	EACH
SN-312	SN312	.72

REHAU Radiant Heating Systems (00dr)

rehau.com

Rehau Pex Tubing

Rehau uses the Engle method (recognized as the best process) for crosslinking pex pipe and is fully 85-87% crosslinked. Rehau's crosslinking (peroxide type) is done at the same time that pipe extrusion occurs, so you have even consistency along every pipe length. This gives Rehau more flexibility and is easier to bend, with the best chemical and heat resistance.



Raupex Barrier O_2 Pipe

SIZE	STOCK NO	EACH
3/8" x 500'	136008500	559.37
1/2" x 300'	136031300	297.41
1/2" x 1000'	136031000	991.36
5/8" x 300'	136880300	405.08
5/8" x 400'	136880400	540.11
5/8" x 1000'	136880000	1350.26
3/4" x 500'	136051500	790.27
3/4" x 100'	136051100	158.05
3/4" x 300'	136051300	474.20
3/4" x 1000'	136051000	1580.53
1" x 100'	136011100	292.34
1" x 500'	136011500	1461.59
1 1/4" x 100'	136283100	488.41
Straight Lengths		
3/4" x 20'	136051020	31.62
1" x 20'	136011020	58.47
1 1/4" x 20'	136283020	97.69
1 1/2" x 20'	136293020	140.04
2" x 20'	136303020	237.45



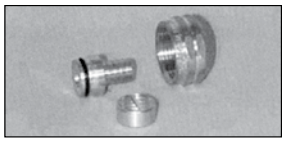
RAUPANEL System Components

SIZE	STOCK NO	EACH
RAUPANEL		
6" x 72"	235307	65.93
Plywood Return Bend		
9" x 48"	235337PLY	56.93
2" Furring Strip		
2" x 48"	235377PLY	8.01

Raupex Heat Transfer Plate

SIZE	STOCK NO	EACH
1/2"	298926001	43.30

See pages 908-912 for Hydronic Controls & Accessories.



Raupex Manifold Connections

DESCRIPTION	STOCK NO	EACH
1/2"Raupex x Pro-Bal. Manifold	261007	15.87
5/8"Raupex x Pro-Bal. Manifold	267557	16.89
3/4"Raupex x Pro-Bal. Manifold	267007	21.64

Manifold 90° Angle

DESCRIPTION	STOCK NO	EACH
1" BSPP	250214	43.00

Manifold Gasket

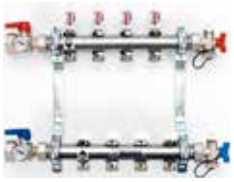
STOCK NO	EACH
250203G	6.32



Brass Cap

Used to cap off extra manifold outlets

STOCK NO	EACH
250209C	13.17



Pro-Balance Stainless Steel Manifolds

- Gauge on each circuit of supply header reads in fractional gallons per minute, allowing quick, simple, and accurate balancing of each circuit.
- Tamper resistant circuit balancing valve(1.6Cv)
- Extruded Brass construction
- Air Vent
- Supply and return unions accept standard pipe thread
- Shipped completely assembled, ready to install (including mounting brackets) with supply and return shut-off unions, vents and fill ports

1" Pro-Balance Manifold with Gauges

DESCRIPTION	STOCK NO	EACH
2 circuit	381102	387.75
3 circuit	381103	457.54
4 circuit	381104	527.34
5 circuit	381105	604.89
6 circuit	381106	690.16
7 circuit	381107	759.97
8 circuit	381108	822.00
9 circuit	381109	915.07
10 circuit	381110	969.36
11 circuit	381111	1046.90
12 circuit	381112	1124.46



Nickel Plated Raupex Manifold Connections

DESCRIPTION	STOCK NO	EACH
5/8"Raupex x Pro-Bal. Manifold	418315	13.78
1/2"Raupex x Pro-Bal. Manifold	418317	11.80
5/8"Raupex x Pro-Bal. Manifold	418318	14.74
3/4"Raupex x Pro-Bal. Manifold	418319	21.42



Stainless Steel Manifold Unions

Used to join two manifolds together

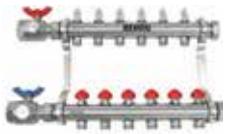
DESCRIPTION	STOCK NO	EACH
1" BSPP	316258	75.88



Stainless Steel Manifold End Cap

Used to cap off end of manifold header while eliminating usual end pieces

STOCK NO	EACH
316248	14.76



Pro-Balance XL Stainless Steel Manifolds

1¼" NPT supply and return manifold isolation ball valves with thermometer sockets and flat gaskets.
Two 1¼" BSPP end caps with gaskets.
Visual flow gauges (0-4 GPM) on supply side.
Circuit balancing/isolation valves on return side.
Mounting brackets, screws and vent key.

DESCRIPTION	STOCK NO	EACH
4 circuit	343375001	634.16
5 circuit	343376001	761.41
6 circuit	343377001	866.40
7 circuit	343378001	958.40
8 circuit	343379001	1061.31

XL Stainless Steel Manifold Union Set

SIZE	STOCK NO	EACH
Pair		
1¼"	343627001	481.85



Pro-Balance Air Vent/Boiler Drain

Includes union nuts, gaskets and caps.
Opens with ¼" turn key supplies with Manifold.

DESCRIPTION	STOCK NO	EACH
Brass	250226	127.54



Pro-Balance Brass Manifold Adapter

BSPP Female x Male BSPP Adapter for use with Manifolds to transition to Air Vent / Boiler Drain

SIZE	STOCK NO	EACH
1¼" x 1" with 1¼" gasket	343628001	68.51

Raupex Speed

- RAUPEX® SPEED hook-and-loop system is used in floors to efficiently and evenly distribute heat/cold from REHAU RAUPEX SPEED pipe into the room.
- System can be installed in concrete slab on grade, suspended slab or in a thin slab overpour.
- No Drilling or anchoring to surface
- Easy to adjust pipe layout
- No Specialized tools required
- Speeds installation by as much as 30%



Raupex O_2 Hook & Loop Barrier Pipe

SIZE	STOCK NO	EACH
½" x 300'	160950300	554.54
½" x 1000'	160950001	1848.46



Raupex Speed Door Spreader

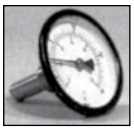
SIZE	STOCK NO	EACH
22.4" x 37.8"	104027001	257.76



Rehau Manifold Valve Actuator

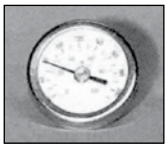
4-wire manifold valve actuator for use with PRO-BALANCE® manifolds

STOCK NO	EACH
260166002	75.10



Thermometers

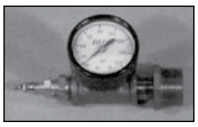
STOCK NO	EACH
¾" with ¾" Solder Well Fitting	
260967	124.07



Rehau Mini-Thermometer

Fits 1" NPT Valves.

STOCK NO	EACH
250218	29.07



Air Pressure Tester

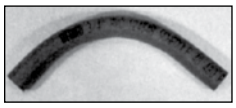
Allows convenient connection to air hose

STOCK NO	EACH
257334	101.28



Rehau Temperature/Pressure Gauge

STOCK NO	EACH
266417	83.19



PVC Bend Guides

SIZE	STOCK NO	EACH
⅜, ½"	266170	4.46
⅝, ¾"	266175	8.15

PVC Bend Support

SIZE	STOCK NO	EACH
1"	266180	14.34



Steel Support Bend

SIZE	STOCK NO	EACH
⅜, ½"	258408	4.43
⅝"	258798	6.57
¾"	257249	8.23



(02)
Malco Pex Tubing Uncoiler

STOCK NO	EACH
MAUC1	1442.34



Rehau Turntable Uncoiler

STOCK NO	EACH
424865001	3938.77



RAUGEO Pipe
Vertical Ground Loop Installation
Double U-Bend PEX A Pipe

SIZE	STOCK NO	EACH
Total - 1040' of Gray Pipe		
1" x 520' LOOP	630366924	2114.15
Total - 1240' of Gray Pipe		
1" x 620' LOOP	630366324	2420.93

RAUGEO
U-Bend Spacers

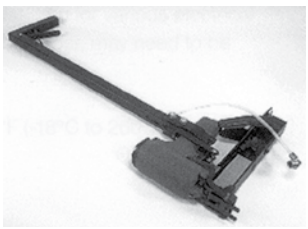
SIZE	STOCK NO	EACH
1"	222858001	8.29



Outdoor Wood Boiler (OWB) Insulated RAUPEX Pipe
Specially designed for the efficient transfer of hot water from outdoor wood boilers to residential and light commercial buildings such as barns and workshops. A flexable alternative to rigid pipe.

SIZE	STOCK NO	EACH
1" x 100'	298406001100	2396.79
1" x 300'	298406001300	7187.63

Cable Ties on page 649



Pneumatic Stapler

STOCK NO	EACH
261016RENTAL	Call for Pricing

1¼" Staples

PACK SIZE	STOCK NO	EACH
10,000 Pack	261016STAPLE	438.05
1,000 Pack	261016STAPLEM	43.76

NOTE : Unused staples will not be accepted for return in quantities of less than 1,000.



RAUTACKER 3D Stapler Tool

STOCK NO	EACH
298956	1048.74

RAUTACK 3D Foam Staples

SIZE	STOCK NO	EACH
1⅜" (400 Pack)	298966	101.86
2⅜" (400 Pack)	298196	124.04

NOTE : Unused staples will not be accepted for return in quantities of less than 400.

RAUTACK Foam Staples

SIZE	STOCK NO	EACH
1½" (300 Pack)	266187	72.19
2¼" (300 Pack - Taped)	266197	97.66

NOTE : Unused staples will not be accepted for return in quantities of less than 300.



(40)
Malco Foam Stapler Tool

STOCK NO	EACH
MAFBSN	594.08
MAFBSNRENTAL	Call for Pricing
Malco Foam Staples	
MAFBSN2	56.28



RIIFO Oxygen Barrier PEX Tubing Red Coils
Oxygen barrier PEX tubing is designed to prevent the oxygen molecules into the underfloor heating system. RIIFO oxygen barrier tubing meets the requirements of ASTM F876, F877 and CSA B137.5 and are ideal for laying under-floor pipe circuits.

SIZE	STOCK NO	EACH
½" x 300'	RI12X300	157.34
½" x 1000'	RI12X1000	524.48
⅝" x 400'	RI58X400	284.72
⅝" x 500'	RI58X500	355.89
¾" x 300'	RI34X300	307.19



(40)
PEX-Pal

DESCRIPTION	STOCK NO	PRICE
Tubing Organizers	AXPEX40	11.91
End Plates	AXEP10	8.51



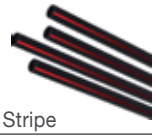
(40)
Hydro-NODE

SIZE	STOCK NO	PRICE
3 - ½" FNPT Ball Valve Connections		
2 - ¼" FNPT Connections	AXHN2	145.61

ViegaPEX Barrier Pipe

Coil - Black with Red Stripe
Excellent for hydronic radiant heating applications.
160PSI@73°F •ASTM F 876/877 • INSF/ANSI 14 & 67

SIZE	STOCK NO	EACH
5/16" x 250'	HV11400	243.00
1/2" x 300'	HV11425	206.40
1/2" x 1000'	HV11436	688.00
1/2" x 1200'	HV11435	825.61
5/8" x 500'	HV11445	422.40
3/4" x 300'	HV11457	336.00
3/4" x 500'	HV11458	560.01
3/4" x 800'	HV11460	896.00
3/4" x 1000'	HV11462	1120.00
1" x 150'	HV11465	360.00



ViegaPEX Barrier Pipe

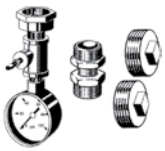
Straight Lengths - Black with Red Stripe

SIZE	STOCK NO	EACH
3/4" x 20'	HV11500	22.41
1" x 20'	HV11505	48.01
1 1/4" x 20'	HV11510	76.03
1 1/2" x 20'	HV11515	130.68



Rapid Grid Barrier Panel

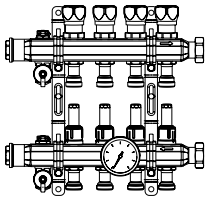
SIZE	STOCK NO	EACH
2' x 4' Panel	HV15216	32.85



System Pressurization Kit

For Viega NA stations and manifolds.
Connects to purge valve or SVC fittings.
(2) 1" NPT plugs included for testing manifolds.

DESCRIPTION	STOCK NO	EACH
0 - 100 psi	HV21210	116.40



1 1/4" Stainless Steel Manifolds

1 1/4" NPT diameter supply/return manifolds come with 6 5/8" spacing brackets for compact mounting. System provides balancing and shut-off valves.

DESCRIPTION	STOCK NO	EACH
2 Outlet	HV15900	357.26
3 Outlet	HV15901	374.64
4 Outlet	HV15902	469.14
5 Outlet	HV15903	539.14
6 Outlet	HV15904	620.00
7 Outlet	HV15905	707.05
8 Outlet	HV15906	788.78

Manifold Outlet Cap

Stainless Steel

SIZE	STOCK NO	EACH
1"	HV15054	8.32

Manifold Ball Valve Set

Stainless Steel

SIZE	STOCK NO	EACH
1 1/4" x 1"	HV15056	97.15

Manifold Powerhead

Stainless Steel • 4 Wire

STOCK NO	EACH
HV15064	91.46



SVC Compression Pex Adapters

Attaches PEX tubing to Viega NA manifolds or other SVC connections.
PEX x SVC

SIZE	STOCK NO	EACH
5/16"	HV19007	11.89
3/8"	HV19008	13.65
1/2"	HV19009	11.57
5/8"	HV19010	13.54
3/4"	HV19011	24.46

SVC Adapter

PEX x SVC • Sleeve INCLUDED

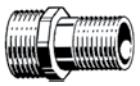
SIZE	STOCK NO	EACH
5/16"	HV89407	12.10
1/2"	HV89409	11.58



3/4" Zone Valve

Press connection, PEX Press outlet connection

FINISH	STOCK NO	EACH
Bronze	HV17234	192.00



Male Adapter

MNPT x SVC

DESCRIPTION	STOCK NO	EACH
1/2"	HV19109	8.72
3/4"	HV19110	10.29



SVC Coupling

SVC x SVC

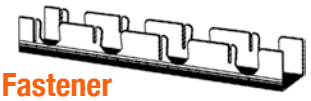
DESCRIPTION	STOCK NO	EACH
1/2" Coupling	HV19012	7.72



SVC Coupling

PEX x PEX

SIZE	STOCK NO	EACH
5/16"	HV19013	20.33
1/2"	HV19015	37.14
5/8"	HV19016	33.98
3/4"	HV19017	97.24



U-Channel Fastener

Tubing insertion points every 2 inches.

DESCRIPTION	STOCK NO	EACH
1/2" PEX - 6 1/2'	HV15310	13.64



Climate Panels

Used as a grid system to integrate 5/16" PEX tubing into the floor. Constructed of CDX fir plywood with an aluminum heat transfer sheet underneath.

DESCRIPTION	STOCK NO	EACH
7" x 48"	HV14021	21.20
U-Turn Strip	HV14035	29.82

Heat Transfer Plates

Heavy gauge aluminum heat transfer plates for 3/8" & 1/2" tubing, 4" wide x 8' long.

DESCRIPTION	STOCK NO	EACH
3/8" Groove	HV15207	34.52
1/2" Groove	HV15208	36.57

For additional Press Fittings & Adapters see page 1216

NOTE:
CORRECT FLOW CENTER SELECTION
IS BASED ON THE GEO FIELD IT WILL BE USED ON
(Flow required, pipe sizes and lengths)
One heat pump and one loop field requires a single circuit flow center.
Two heat pumps and one loop field requires a two circuit flow center.

NOTE:
All H_2O units must be installed with a buffer tank of 10 gallons per nominal ton size with a recommended minimum of 1¼" porting & piping.

Zilmet Buffer Tank



ZBT Buffer Tanks

Ideal solution to integrate variable demands, small loads and mixed flows in high-efficiency heating and chilled water systems. Providing thermal mass and hydraulic separation to minimize cycling, simplify installation and reduce energy use.

- Optimal capacity for high efficiency boilers in most residential and light-commercial applications
- Compact footprint, flush-mount fittings and side-facing sensor well for a streamlined installation
- Air vent, drain and temperature sensor ports
- Hardware kit includes bottom legs and wall-mount brackets for installation flexibility
- Closed-cell urethane insulation and bonded jacket eliminate condensation problems in chilled-water applications
- Max Presure 60 psig, Max Temp. 200° F
- 5 Year Warranty

HEIGHT	DIAMETER	CAPACITY US GALLONS	PRIMARY/SECONDARY CONNECTIONS	DRAIN CONNECTIONS	STOCK NO	PRICE
39½"	14"	14	1¼" NPTF	¾" NPTF	ZBT14	720.91



BUFFMAX

Not suitable for non-oxygen barrier tubing
Premium high capacity air eliminator (½" NPT).
2 ½" diameter temperature and pressure indicator on the front.

HEIGHT	DIAMETER	CAPACITY US GALLONS	PRIMARY/SECONDARY CONNECTIONS	DRAIN CONNECTIONS	STOCK NO	PRICE
56"	18"	30	1½" MNPT	¾" NPT	BUFF30	1944.50
57"	22"	50	2" MNPT	¾" NPT	BUFF50	2262.30
71"	24"	80	2½" MNPT	¾" NPT	BUFF80	3227.53
72½"	28"	119	3" MNPT	¾" NPT	BUFF120	4063.80

(27)

Pleated HE 40 Air Filters

FOR USE WITH	STOCK NO	EACH
4 Ton	26X26X1PLFI	31.14
5-6 Ton	26X30X1PLFI	34.55



Flow Centers

CIRCUITS	NO. PUMPS	TANK TYPE	CONNECTION TYPE	STOCK NO	PRICE
NO PUMPS - Field assembly required.					
1	0	PVC	1"	GT1NPFC	1496.88
2	0	Stainless Steel	1¼"	EAKFCSS	2011.43
QT Flow Centers					
1	1	PVC	1"	1230QFCM	1959.98
1	2	PVC	1"	2230QFCM	2292.10
2	4	Stainless Steel	1¼"	22EASS230QFCM	4298.86
XT Flow Centers					
Designed for 7.5-12 ton GeoThermal units. Contains (2) UP43-100 pumps					
1	2	Stainless Steel	1¼"	2230XTSS	3812.37

Consult the GeoThermal Department for flow center sizing assistance.

(24)

G2-116F Pump

QT Series Flow Centers ONLY

DESCRIPTION	STOCK NO	EACH
230v	G2116F	604.80

(21)

1" Flowmeter

STOCK NO	EACH
LDF359T1	253.98

(21)

"O" Rings

SIZE	STOCK NO	EACH
Large	LDFLO	3.39
Small	LDFSO	3.67



ES4-W Series Water to Water System

- Radiant floor ready
- Flow switch protected
- Optional hot water generator (desuperheater)
- Copeland® UltraTech® two-stage scroll compressor
- Digital controls
- Oversized copper coaxial heat exchangers
- Rugged powder coated cabinet
- Insulated refrigerant circuit
- 1" FPT fittings

R410a refrigerant • Two Stage • 208-230V/1PH/60Hz

SIZE	STOCK NO	EACH
3 Ton	TWT036G11AAACSS	11968.98
4 Ton	TWT048G11AAACSS	13734.25
5 Ton	TWT060G11AAACSS	14833.84

MODEL NUMBER	CAPACITY	COOLING		HEATING	
		BTU/HR	EER	BTU/HR	COP
TWT036	Full load	42,000	16.0	36,400	3.0
TWT036	Part load	33,300	20.6	29,200	3.1
TWT048	Full load	49,400	15.1	44,100	3.0
TWT048	Part load	38,800	19.2	35,700	3.1
TWT060	Full load	57,800	14.6	53,200	3.0
TWT060	Part load	46,100	18.1	44,400	3.1

Flo-Link

For TWT060D & TWT048D Models

Double o-ring x 1" FPT

STOCK NO	EACH
GF3326	67.72

Hydronic Cased Coils

BTUH	STOCK NO	EACH
36,000	MCH036AST	1756.65
60,000	MCH060AST	2828.46

Model Number	Size (tons)	All Dimensions in Inches		
		Width	Depth	Height
MCH036	3	21"	21"	24"
MCH060	4 - 6	24 ½"	21 ½"	34"



Accessories

northernheatpump.com

Pressurized Flow Centers

Foamed Cabinet. Brass 3-way purge valve.



PUMP	STOCK NO	EACH
UP26-116F		
1	GF1055	1576.18
2	GF1056	2068.01
3	GF1231	2638.25
4	GF1232	3035.64

Silent Base Rubber Pad

SIZE	STOCK NO	EACH
27" x 34¾"	RPAD27351	180.07

RAP Switch

Reverse Acting Switch opens when water pressure drops

STOCK NO	EACH
69WR5	111.71

(02)

Spin Down Filter

1" SxS 40 Mesh

STOCK NO	EACH
140F	68.08

Hose Kit

1" FPT x 12' - Includes Fitting

STOCK NO	EACH
GF1101	219.19

(02)

Replacement Element

For Use With 1" 140F

STOCK NO	EACH
FS140	17.80

Concentric Water Fitting

Not For Marathon Water Heaters

STOCK NO	EACH
CWF	129.74

(08)

Adjustable Check Valves

MXF. Sch. 80 PVC

SIZE	STOCK NO	EACH
¾"	34PVAJCV	29.54
1"	1PVAJCV	45.72

Geothermal Heating Systems (22)

bosch-climate.us



Split Heat Pump Condensor Section

R410a refrigerant, Copeland ultratech two-stage unloading compressor, white cabinet, copper heat exchanger.

Two Stage • 208-230/1/60 • For use with BMAC Series Coils

SIZE	STOCK NO	EACH
3 Ton	SM0361CSCF	7979.80
4 Ton	SM0481CSCF	8854.40
5 Ton	SM0601CSCF	10054.76

DX Series Vertical "A" Coils

For use with TA Series Condensers

SIZE	STOCK NO	EACH
Cased Coils • R410A		
4 Ton (SM048)	7738002734	1509.71
5 Ton (SM060)	7738002735	2013.66
Un-Cased Coils • R410A		
3 Ton (SM036)	7738002738	1055.66
5 Ton (SM060)	7738002740	1923.13
BMAC Series Cased Coils		
3 Ton (SM036)	BMAC3036BNTD	1109.84
4 Ton (SM048)	BMAC4248CNTF	1491.89
5 Ton (SM060)	BMAC4860CNTF	1699.31

RP Series Heat Pump Vertical Upflow Water to Air Packaged Units

NEW ITEM

- Low GWP Ready (R-454B Refrigerant)
- ECM Constant Airflow Blowers
- 2" MERV 8 filter with 4-sided filter rack
- ½" Closed Cell Foam Insulation
- TXV (Thermal Expansion Valve)
- DuoGuard™ Evaporator Coil
- Electronic Circuit Board UPM
- 75 VA Transformer
- 10 year all parts limited warranty
- 10 year compressor limited warranty



Two Stage • 208-230/60/1 • COPPER HEAT EXCHANGER

SIZE	RETURN AIR LOCATION	STOCK NO	PRICE
3 TON	LEFT-HAND	RP0361VTCLLTADA	13494.73
3 TON	RIGHT-HAND	RP0361VTCLRTADA	13494.73
4 TON	LEFT-HAND	RP0481VTCLLTADA	14690.81
4 TON	RIGHT-HAND	RP0481VTCLRTADA	14690.81
5 TON	LEFT-HAND	RP0601VTCLLTADA	15824.16
5 TON	RIGHT-HAND	RP0601VTCLRTADA	15824.16

Hydronic Air Handler Water Coil

Field installed Electric Kits Available

Vertical or Horizontal • ECM Motor

SIZE	STOCK NO	EACH
3 Ton	7738002717	3295.27
4 Ton	7738002718	3988.12
5 Ton	7738002719	4484.23

Booster

For 35 PSI Pressurized Systems
Maintains minimum loop pressure of 35#

STOCK NO	EACH
7738000334	832.55

TW Series Water to Water Heat Pumps



R410a refrigerant, Copeland ultratech two-stage unloading compressor, white cabinet, desuperheater.

Two Stage • 208-230/60/1

SIZE	STOCK NO	EACH
4 Ton	TW0491CSCFXX	12538.15

TW Series Water to Water Heat Pumps

NEW ITEM

- Low GWP Ready (R-454B Refrigerant)
- Copper SideCoaxial Water Coil
- Refrigerant Leak Detection Sensor

Two Stage Compressor • 208-230/60/1

SIZE	STOCK NO	EACH
3 Ton	TW0351CSCFXX	11254.40
5 Ton	TW0611CSCFXX	15104.23

SM Series & Accessories

NOTE:
The New Revision RP & SM Vertical units do NOT come with the KW Electric or Pump Relay installed. These are now field installed. Check the unit description to verify and order separately as needed.



Greensource SM Series Vertical Upflow Water to Air Packaged Units

R410-A refrigerant, ECM blower motors, constant CFM motor, desuperheater, LCD display, water connections in front, dual-gaurd aluminum evaporator coil, and increased serviceability.

Two Stage • 208-230/1/60 • COPPER HEAT EXCHANGER

SIZE	RETURN AIR LOCATION	STOCK NO	PRICE
3 TON	RIGHT-HAND	SM0361VTCFRT	13494.74
5 TON	RIGHT-HAND	SM0601VTCFRT	15824.16

SmartStart Assist Kit

STOCK NO	EACH
8733957159	891.00

Internally Mounted Electric Heat Kits

7738003207 not available for SM036

KW HEATER - 208/230V	STOCK NO	EACH
7.8/9.6 kW	8733952088	376.35
10.8/14.4 kW	8733960684	633.68
14.4/19.2 kW	8733960685	717.08

Pump/Valve Relay

STOCK NO	EACH
8733951906	162.51

Centrotherm Vent Systems (324b)

centrotherm.us.com

(324c for 6"-12" ONLY)

InnoFlue® Vent Lengths



InnoFlue never requires glues, solvents or primers. Each component has a socket, and a male/female fitting connection. Apply Centrocerin lubricant and push together.

SIZE	STOCK NO	EACH
12" Lengths		
2" with Long Socket	ISVL02125	13.49
3" with Long Socket	ISVL03116	20.70
4" with Long Socket	ISVL0419	59.05
6"	ISVL0614	168.43
8"	ISVL081	245.55
10"	ISVL101	297.05
24" Lengths		
2" with Long Socket	ISVL02225	20.60
3" with Long Socket	ISVL03216	36.57
4" with Long Socket	ISVL0429	82.51
6"	ISVL0624	206.79
8"	ISVL082	282.87
10"	ISVL102	383.25
12"	ISVL122	840.24
36" Lengths		
2" with Long Socket	ISVL02325	25.91
3" with Long Socket	ISVL03316	54.09
4" with Long Socket	ISVL0439	116.51
6"	ISVL0634	326.11
8"	ISVL083	353.48
10"	ISVL103	576.14
12"	ISVL123	948.25
72" Lengths		
2" with Long Socket	ISVL02625	36.96
3" with Long Socket	ISVL03616	72.17
4" with Long Socket	ISVL0469	164.84
6"	ISVL0664	466.68
8"	ISVL086	656.01
10"	ISVL106	1038.51
12"	ISVL126	1329.95
108" Lengths		
12"	ISVL129	1994.96
120" Lengths		
2" with Long Socket	ISVL021016	56.31
3" with Long Socket	ISVL03109	111.43
4" with Long Socket	ISVL0410	254.33
6"	ISVL06104	637.73
8"	ISVL08102	931.26
10"	ISVL1010	1732.83

(324c for 6"-12" ONLY)

45° Elbows



SIZE	STOCK NO	EACH
2" with Long Socket	ISELS024520	17.62
3" with Long Socket	ISELS034512	30.83
4" with Long Socket	ISELS04456	55.93
6"	ISEL06452	160.26
8"	ISELS0845	275.71
10"	ISEL1045	541.53
12"	ISEL1245	1088.52

(324c for 6"-12" ONLY)

87° Elbows



SIZE	STOCK NO	EACH
2" with Long Socket	ISELS028720	17.62
3" with Long Socket	ISELS038712	32.08
4" with Long Socket	ISELS04876	55.93
6"	ISEL06872	160.29
8"	ISELS0887	319.83
10"	ISEL1087	763.34
12"	ISEL1287	1496.14

Centrocerin Lubricant



A water based lubricant used to ease the assembly of InnoFlue® SW & Flex. Applied to both the gasket and male end of InnoFlue® components.

SIZE	STOCK NO	EACH
50 ml.	IACE50100	13.55

(324c for 6" ONLY)

Tees



SIZE	STOCK NO	EACH
3"	IST03	159.60
4"	IST04	315.21
6"	IST06	414.38
10"	IST10	480.38
12"	IST12	1235.48

(324c)

Velocity Cones



SIZE	STOCK NO	EACH
4" to 3"	ISVC0403	119.99
6" to 4"	ISVC0604	167.01
8" to 6"	ISVC0806	310.11

(324c for 4" to 6"-10" to 12" ONLY)

Centric Increaser



Transitions vent system to a larger diameter.

SIZE	STOCK NO	EACH
2" to 3"	ISIA0203	45.67
3" to 4"	ISIA0304	54.04
4" to 6"	ISIA0406	331.43
6" to 8"	ISIA0608	340.79
8" to 10"	ISIA0810	363.51
10" to 12"	ISIA1012	561.56

(324c for 6" to 4"-12" to 10" ONLY)

Centric Reducer



Transitions vent system to a smaller diameter.

SIZE	STOCK NO	EACH
3" to 2"	ISRD0302	41.42
4" to 3"	ISRD0403	128.63
6" to 4"	ISRD0604	266.27
8" to 6"	ISRD0806	306.27
10" to 8"	ISRD1008	373.95
12" to 10"	ISRD1210	1192.74

(324c for 6" & 8" ONLY)

Support Clamps



Used as vertical or horizontal support. Space 78" in vertical and 39" in horizontal installations. Uses ⅜ threaded rod.

SIZE	STOCK NO	EACH
2"	IASCM0220	21.09
3"	IASCM0320	25.31
4"	IASCM0420	31.64
6"	IASCM0620	41.51
8"	IASCM0820	42.71

(324c for 6"-12" ONLY)

Connector Rings



Supports loads of up to 99 lbs.

SIZE	STOCK NO	EACH
2"	IANS02100	8.03
3"	IANS0375	14.54
4"	IANS0450	16.88
6"	IANS06	40.19
8"	IANS08	50.61
10"	IANS10	61.09
12"	IANS12	99.89

Flue Clamp



Secures ISAGL appliance adaptors to appliance flue collar.

SIZE	STOCK NO	EACH
2"	IAFC02	30.98
3"	IAFC03	41.80

Appliance Adapter



PVC to PPS with Gasket

SIZE	STOCK NO	EACH
2"	ISAGL020210	33.80
3"	ISAGL030312	80.27
4"	ISAGL04048	103.86

(324c for 6" ONLY)

Appliance Adaptor



for Flue Collars with Hose Clamp

Adapts a female PVC/CPVC sized appliance collar with integrated gasket to InnoFlue® SW diameters

SIZE	STOCK NO	EACH
2"	ISAAL020224	33.80
3"	ISAAL030312	80.27
4"	ISAAL04048	101.82
6"	ISAAL0606	209.55

(324c for 6"-12" ONLY)

Commercial Appliance Adaptor



Adapts stainless steel flue outlets to InnoFlue® may require a vibration isolation boot.

SIZE	STOCK NO	EACH
4"	ISSA0404	143.01
6"	ISSA0606	287.94
8"	ISSA0808	345.91
10"	ISSA1010	386.24
12"	ISSA1212	761.64

(324c for 6" ONLY)

Appliance Adapters



SIZE	STOCK NO	EACH
For KBN Series and Navien NFB-C		
3"	ISAALE0303	131.77
For KHN and KBX Series		
4"	ISAALE0404	149.54
For KBX Series		
6"	ISAALE0606	234.64

Centrotherm Vent Systems (324b)

centrotherm.us.com

Concentric Wall Termination



Made from PPs-UV outer and PPs-UV inner, the Concentric wall termination incorporates flue gas termination and combustion air intake. Use with InnoFlue® Concentric or with InnoFlue® SW by adding an ICTC adaptor. Includes support clamp and wall plates.

DIAMETERS	STOCK NO	EACH
2" / 4"	ICWT242	169.94
3" / 5"	ICWT352	183.44

(324c for 6"-12" ONLY)

Horizontal Drain Fitting



Use with any InnoFlue® siphon. Placed at the end of the last Branch Tee in a cascade configuration, the Horizontal Drain Fitting removes condensate from the system & allows for inspections & system clean out. 32mm O.D. drain.

SIZE	STOCK NO	EACH
3"	ISHDF03	229.57
4"	ISHDF04	253.99
6"	ISHDF06	442.31
8"	ISHDF08	623.27
10"	ISHDF10	807.85
12"	ISHDF12	1012.32

(324c for 6"-12" ONLY)

Tee Cap with Drain



Use with any InnoFlue® siphon to drain condensate from the vent system.

SIZE	STOCK NO	EACH
3"	ISTCD03	207.27
4"	ISTCD04	218.19
6"	ISTCD06	345.91
8"	ISTCD08	352.15
10"	ISTCD10	363.51
12"	ISTCD12	463.20

Centrotherm

Flex Chimney Kits



- Base Support
- SW to Flex Coupler (2" only)
- Flex End Pipe
- Chimney Cover
- Connector Ring
- Spacers
- Centrocerin® Lubricant

SIZE	STOCK NO	EACH
2" x 25'	IFCK0225	899.95
2" x 50'	IFCK0250	1230.27
3" x 25'	IFCK0325	904.68
3" x 50'	IFCK0350	1317.65
4" x 25'	IFCK0425	1354.89
4" x 50'	IFCK0450	2327.33

Twin Pipe / Concentric Reversible Adaptor



Reversible adaptor transitions between InnoFlue® SW and InnoFlue® Concentric. Reducer and vent length included.

DIAMETERS	STOCK NO	EACH
2" / 4"	ICTCR24	129.48

Twin Pipe / Concentric Reversible Adaptor



Reversible adaptor transitions between InnoFlue® SW and InnoFlue® Concentric.

DIAMETERS	STOCK NO	EACH
3" / 5"	ICCT3503	209.87

Universal Ball Valve Siphon



Attaches to any InnoFlue® drain to allow condensates to flow while unique ball valve assures combustion gases remain contained at higher temperatures. Comes with and can be installed with a barbed or compression fitting.

HEIGHT	WIDTH	LENGTH	STOCK NO	EACH
6.5"	4.5"	1.9"	IASJBVS	90.33

(324c for 6"-12" ONLY)

Bird Screens



PPS-UV Black

SIZE	MATERIAL	STOCK NO	EACH
2"	PPS-UV Black	IASPP0220	19.16
3"	PPS-UV Black	IASPP0320	33.71
4"	PPS-UV Black	IASPP04	41.24
6"	PPS-UV Black	IASPP06	79.52
8"	Stainless Steel	IASSS08	283.99
10"	Stainless Steel	IASSS10	340.79
12"	Stainless Steel	IASSS12	441.14

(324c)

InnoFlue® Tankless Total Install Kit

- Inspector Tag with Zip Tie
- (2) InnoFlue® Quick Guides
- InnoFlue® Installation & Operation Manual
- Intake/Exhaust Stickers
- (4) Long Sweep 87° Elbows
- (6) 24" Vent Lengths
- (2) 12" Vent Lengths
- (10) Connector Rings
- (8) Support Clamps
- Low Profile Wall Termination
- Centrocerin Lubricant

SIZE	STOCK NO	EACH
2"	IMTT2021	545.91

(324c for 6 x 36" ONLY)

Branch Tees



42° Y allows for the cascading or common venting of appliances.

SIZE	FEEDER	STOCK NO	EACH
3 x 36"	2"	ISBT030236	202.10
4 x 36"	2"	ISBT040236	218.19
6 x 36"	2"	ISBT060236	351.01

(324c)

Roof Flashing

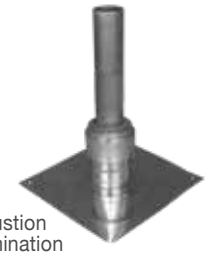


Watertight flashing prevents leaks. Integrates easily with all InnoFlue Components.

SIZE	PITCH	STOCK NO	EACH
6"	Flat	IAFRF06	624.77
8"	Flat	IAFRF08	645.21
6"	3/12	IAPRF0603	671.95
6"	3/12	IAPRF0803	732.98

(324c)

Chimney Cover



Stainless steel termination with polypropylene end pipe incorporates a combustion air intake and flue gas termination in a single assembly.

SIZE	STOCK NO	EACH
6"	ISCM06	1001.97
8"	ISCM08	1181.37

"Metalbestos" Pipe and Fittings (28)

Gas Vent

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Type RV Round Pipe

SIZE	STOCK NO	EACH
5' Lengths		
3"	3X5RV	52.93
4"	4X5RV	64.03
5"	5X5RV	74.28
6"	6X5RV	87.24
7"	7X5RV	133.15
8"	8X5RV	152.87
4' Lengths		
3"	3X4RV	42.93
4"	4X4RV	53.62
5"	5X4RV	62.48
6"	6X4RV	72.79
7"	7X4RV	112.82
8"	8X4RV	125.62
3' Lengths		
3"	3X3RV	32.93
4"	4X3RV	41.15
5"	5X3RV	48.56
6"	6X3RV	56.73
7"	7X3RV	92.23
8"	8X3RV	103.30
2' Length		
3"	3X2RV	27.11
4"	4X2RV	30.23
5"	5X2RV	36.96
6"	6X2RV	44.13
7"	7X2RV	71.91
8"	8X2RV	80.60
18" Lengths		
3"	3X18RV	20.44
4"	4X18RV	24.27
5"	5X18RV	27.99
6"	6X18RV	31.89
7"	7X18RV	52.41
8"	8X18RV	63.09
12" Lengths		
3"	3X12RV	17.02
4"	4X12RV	20.09
5"	5X12RV	23.73
6"	6X12RV	26.26
7"	7X12RV	40.69
8"	8X12RV	47.03
6" Lengths		
3"	3X6RV	16.47
4"	4X6RV	17.90
5"	5X6RV	20.49
6"	6X6RV	25.14



RV Adjustable Length

SIZE	STOCK NO	EACH
Type RV-12"		
3"	3X12ARV	21.74
4"	4X12ARV	25.81
5"	5X12ARV	29.28
6"	6X12ARV	33.24
7"	7X12ARV	43.56
Type RV-18"		
4"	4X18ARV	39.93
5"	5X18ARV	44.13

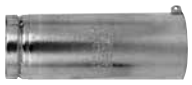
Class B chimney
is double wall pipe requiring 1" min. to combustible material. Inner pipe is aluminum.

Type RV
is 3" through 8" round pipe. Outside diameter is approx. ½" larger than the inside diameter.

Type R
is 10" through 48" round pipe. Outside diameter is approx. 1" larger than the inside diameter.

Type R Round Pipe

SIZE	STOCK NO	EACH
36" Lengths		
10"	10R36	258.42
12"	12R36	307.85
14"	14R36	512.07
16"	16R36	737.15
18"	18R36	910.10
18" Lengths		
10"	10R18	173.33
12"	12R18	204.69
14"	14R18	382.44
16"	16R18	477.79
18"	18R18	555.85



Type R Adjustable Length

SIZE	STOCK NO	EACH
18" Lengths		
10"	10R18A	256.58
12"	12R18A	260.70



90° Adjustable Elbow

Type RV

SIZE	STOCK NO	EACH
3"	3RVL	44.39
4"	4RVL	53.81
5"	5RVL	63.10
6"	6RVL	75.48
7"	7RVL	125.73
8"	8RVL	133.79



45° Adjustable Elbow

SIZE	STOCK NO	EACH
Type RV		
3"	3RV45L	26.58
4"	4RV45L	31.47
5"	5RV45L	36.96
6"	6RV45L	44.32
7"	7RV45L	67.51
8"	8RV45L	77.73
Type R		
10"	10R45L	254.03
12"	12R45L	270.96
14"	14R45L	425.07



Tee

SIZE	STOCK NO	EACH
Type RV		
3"	3RVT	65.57
4"	4RVT	68.05
5'	5RVT	74.20
6"	6RVT	79.83
7"	7RVT	92.76
8"	8RVT	127.55
Type R		
10"	10RTEE	452.94
12"	12RTEE	465.35
14"	14RTEE	827.54
16"	16RTEE	1229.01
18'	18RTEE	1481.23



Tee Cap

SIZE	STOCK NO	EACH
Type RV		
3"	3RVCAP	4.71
4"	4RVCAP	5.28
5"	5RVCAP	6.93
6"	6RVCAP	8.11
7"	7RVCAP	13.86
8"	8RVCAP	16.35
Type R		
10"	10RTCAP	46.66
12"	12RTCAP	61.36
14"	14RTCAP	126.05
16"	16RTCAP	148.85
18'	18RTCAP	168.98



Fixed Wye

SIZE	STOCK NO	EACH
Type RV		
4"	4RVY	68.05
5x3"	5X3RVY	76.34
5x4"	5X4RVY	74.24
5x4x4"	5X4X4RVY	90.87
6x4"	6X4RVY	78.95

"Metalbestos" Pipe and Fittings (28)

Gas Vent

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Draft Hood Connector

SIZE	STOCK NO	EACH
Type RV		
4"	4RVDHC	19.32
5"	5RVDHC	20.02
6"	6RVDHC	23.02
8"	8RVDHC	35.98



Increaser

SIZE	STOCK NO	EACH
Type RV		
3-4"	34RVI	37.65
3-5"	35RVI	42.00
3-6"	36RVI	42.77
4-5"	45RVI	35.92
4-6"	46RVI	37.76
5-6"	56RVI	37.40
6-7"	67RVI	46.94



Wall Thimble

Adjust 4⅛" to 7" wall thickness

SIZE	STOCK NO	EACH
Type RV		
3"	3RVWT	28.13
4"	4RVWT	31.32
5"	5RVWT	35.17
6"	6RVWT	43.05
7"	7RVWT	53.06
8"	8RVWT	54.82



Pipe Collar

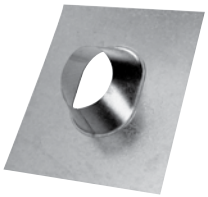
May be used as firestop for openings in floors, ceilings and walls

SIZE	STOCK NO	EACH
Type RV		
3"	3RVPC	8.49
4"	4RVPC	8.55
5"	5RVPC	8.86
6"	6RVPC	9.17



Storm Collar

SIZE	CODE	EACH
Type RV		
3"	3RVSC	4.39
4"	4RVSC	5.28
5"	5RVSC	10.58
6"	6RVSC	10.94
7"	7RVSC	13.74
8"	8RVSC	14.19
Type R		
10"	10RSC	24.11
12"	12RSC	31.28
14"	14RSC	67.14
16"	16RSC	129.41
18"	18RSC	203.96

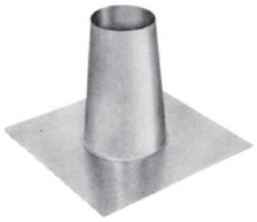


Adjustable Roof Flashing Flat to 6/12 pitch

SIZE	CODE	EACH
Type RV		
3"	3RVAF	15.98
4"	4RVAF	18.08
5"	5RVAF	28.13
6"	6RVAF	39.30
7"	7RVAF	52.41
8"	8RVAF	56.78
Type R		
10"	10RF	106.89
12"	12RF	149.54
14"	14RF	339.30
16"	16RF	395.01
18"	18RF	560.32

6/12-12/12 pitch

SIZE	CODE	EACH
Type RV		
3"	3RVHF	44.89
4"	4RVHF	46.94
5"	5RVHF	55.96
6"	6RVHF	68.78
7"	7RVHF	89.84
8"	8RVHF	112.82



Tall Cone Flat Flashing

Flat roofs only

SIZE	STOCK NO	EACH
Type RV		
3"	3RVTFF	32.93
4"	4RVTFF	38.08
5"	5RVTFF	42.42
6"	6RVTFF	53.45
7"	7RVTFF	67.66
8"	8RVTFF	75.76
Type R		
10"	10RTF	130.33
12"	12RTF	193.64
14"	14RTF	401.52
16"	16RTF	477.25
18"	18RTF	591.60



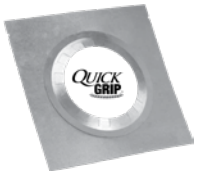
Type RV Bird Proof Top

SIZE	STOCK NO	EACH
Type RV		
3"	3RVBT	24.57
4"	4RVBT	25.88
5"	5RVBT	35.56
6"	6RVBT	45.00
7"	7RVBT	71.19
8"	8RVBT	91.53



Type R Top

SIZE	STOCK NO	EACH
Type R		
10"	10RTOP	249.53
12"	12RTOP	303.49
14"	14RTOP	486.53
16"	16RTOP	625.78
18"	18RTOP	861.03



Quick Grip

Firestop spacer & pipe support. UL Listed

SIZE	STOCK NO	EACH
Type RV		
4"	4RVFSPU	31.37
6"	6RVFSPU	22.43



(27)

Vent-Fast

SIZE	STOCK NO	EACH
3"	3VEFA	22.98
4"	4VEFA	22.98
5"	5VEFA	24.25
6"	6VEFA	24.25
7"	7VEFA	24.98
8"	8VEFA	28.35
10"	10VEFA	35.41



Support Plate

Will support up to 50'

SIZE	STOCK NO	EACH
Type R		
10"	10RSP	126.05
12"	12RSP	174.38
14"	14RSP	228.57
16"	16RSP	262.21
18"	18RSP	275.89

Metalbestos Pipe and Fittings (28)

Platinum Series Ultra-Temp

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The Ultra-Temp Type HT Chimney 6", 7", and 8" is intended for normal continous operation at 1000 degrees fah. flue gas temperature at two inches clearance to enclosing combustible limits.

The Ultra-Temp Chimney in 10", 12", and 14" sizes is also intended for normal continuous use at not over 1000° f

Ultra-Temp chimney is compatible with Metalbestos SSII chimney .



Insulated Pipe

For gas, oil, and wood firing

STOCK NO	EACH
6" Lengths	
6T6	171.22
8T6	243.00
9" Lengths	
6T9	184.73
7T9	227.08
18" Lengths	
6T18	233.79
8T18	371.79
10S18	465.05
36" Lengths	
6T36	415.65
7T36	536.34
8T36	628.34
10S36	915.41



Universal Roof Supports

Adjustable from 5-8"

STOCK NO	EACH
URSA	177.93



Universal Wall Support/Resupport Assembly

Adjustable from 5-8"

STOCK NO	EACH
UWRSA	248.79



2-Insulated 15° Elbow with 1-Interior Resupport

15° Insulated elbows can be used for fixed offsets of 15° slope or in pairs for offsets adjustable from zero degrees to 30 degrees slope. Greater angles are prohibited by UL® Standard 103.

REQUIRED:
Locking bands (2 packeged with each kit) are to be used at each jiont.
Each offset must be resupported.
Elbows rotate 360° to provide orientation required.

STOCK NO	EACH
6TEL15KIT	622.92
7TEL15KIT	701.37
8TEL15KIT	798.26



Wall Spacer

Maintains clearance when passing through a combustible wall.

STOCK NO	EACH
6TIWT	177.93
7TIWT	194.08
8TIWT	210.20



Anchor Plate

For use on masonry fireplace

STOCK NO	EACH
6TAP	145.57
8TAP	198.00



Insulated Tee with Plug

Used with a wall support kit for outdoor installation

STOCK NO	EACH
6TIT	587.44
7TIT	771.04
8TIT	869.59
10SIT	1223.28



Roof Support Package

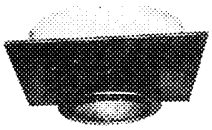
For freestanding fireplaces and cathedral ceiling installations

STOCK NO	EACH
10SRSP	564.76

Metalbestos Pipe and Fittings (28)

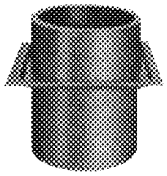
Ultra-Temp

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Finish Support Package

STOCK NO	EACH
6TFSP	232.90
7TFSP	278.92
8TFSP	287.10



JS
Joist Shield

STOCK NO	EACH
6TJS	71.06



Wall Band

Provides stability and clearance along outside wall. One every 8'.

STOCK NO	EACH
6TWB	77.88
7TWB	91.27
8TWB	99.93



Adjustable Roof Flashing

For 1/12 to 6/12 pitch

STOCK NO	EACH
6TAF	180.70
7TAF	207.13
8TAF	226.85
10SAF	263.90



Tall Cone Flashing

For flat roofs

STOCK NO	EACH
6TTF	241.88
8TTF	296.77
10STF	323.34



Storm Collar

STOCK NO	EACH
6TCO	32.20
78TCO	36.48
10SCO	62.99
12SCO	97.88



FC
Finishing Collar

STOCK NO	EACH
6TFC	44.09
8TFC	60.80



Round Top

STOCK NO	EACH
6TCT	199.19
7TCT	271.76
8TCT	365.03
10SCT	655.55

Dripless Smoke Pipe Adapters

STOCK NO	EACH
6TDSAC	173.66
8TDSAC	194.58

Z-Vent Single Wall AL-294C Stainless Steel Special Gas Vent Pipe & Fittings

- 3-8" diameter
- Simple gasketed connection-no sealant needed
- Natural or propane gas

OEM specified & UL Listed Special Gas Vent for Category II, III & IV heating equipment.



Vent Pipe

SIZE	STOCK NO	EACH
6" Lengths		
3"	ZF3X6	28.97
12" Lengths		
3"	ZF3X12	36.90
4"	ZF4X12	44.24
5"	ZF5X12	58.74
6"	ZF6X12	63.18
7"	ZF7X12	79.79
8"	ZF8X12	93.08
18" Lengths		
3"	ZF3X18	58.67
4"	ZF4X18	65.96
5"	ZF5X18	86.43
6"	ZF6X18	93.08
7"	ZF7X18	116.37
8"	ZF8X18	137.43
24" Lengths		
3"	ZF3X24	74.47
4"	ZF4X24	81.04
5"	ZF5X24	100.86
6"	ZF6X24	108.59
7"	ZF7X24	133.00
8"	ZF8X24	151.82
36" Lengths		
3"	ZF3X36	92.83
4"	ZF4X36	104.91
5"	ZF5X36	130.79
6"	ZF6X36	144.09
7"	ZF7X36	185.09
8"	ZF8X36	204.77
48" Lengths		
5"	ZF5X48	161.80
6"	ZF6X48	179.55
7"	ZF7X48	220.54
8"	ZF8X48	268.18
60" Lengths		
3"	ZF3X60	166.81
4"	ZF4X60	192.48
120" Lengths		
3"	ZF3X120	256.11
4"	ZF4X120	317.21

Z-Vent Joint Lubrication



For use with Single or Double Wall Components

SIZE	STOCK NO	EACH
5.3oz.	2LUBE	34.98

Dow Corning Sealant

DESCRIPTION	STOCK NO	EACH
3 oz. Tube	440691	20.81

NEW ITEM



Weil McLain CGI, CGS Starter

Use to adapt appliance vent outlet to Z-Vent

PART NO	STOCK NO	EACH
2SVEWMFA03	ZFWEILA03	65.41

90° Elbow

SIZE	STOCK NO	EACH
3"	ZF3L	105.38
4"	ZF4L	111.71
5"	ZF5L	164.03
6"	ZF6L	180.64
7"	ZF7L	223.90
8"	ZF8L	246.04

45° Elbow

SIZE	STOCK NO	EACH
3"	ZF345L	92.54
4"	ZF445L	97.31
5"	ZF545L	136.34
6"	ZF645L	145.19
7"	ZF745L	171.79
8"	ZF845L	192.83

Horizontal Termination Box

SIZE	STOCK NO	EACH
3"	ZF3TEBO	81.66
4"	ZF4TEBO	83.51
5"	ZF5TEBO	133.00
6"	ZF6TEBO	139.04
7"	ZF7TEBO	147.11
8"	ZF8TEBO	155.18

Horizontal Termination Tee

DESCRIPTION	STOCK NO	EACH
3"	ZF3TETE	81.68
4"	ZF4TETE	90.11

Termination Coupling

DESCRIPTION	STOCK NO	EACH
3"	ZF3TECO	38.15

Universal Appliance Adapter

For use with UTICA SW Series Boilers

SIZE	STOCK NO	EACH
3"	ZF3UNAPAD	47.09
4"	ZF4UNAPAD	53.30
5"	ZF5UNAPAD	80.68
6"	ZF6UNAPAD	94.62
7"	ZF7UNAPAD	114.47
8"	ZF8UNAPAD	124.21

Saf-T Vent to Z-Vent

Flue Outlet Adapter for VSPH Boilers

SIZE	STOCK NO	EACH
3"	ZF3VEAD	44.13

Lochinvar Adapters

SIZE	STOCK NO	EACH
4"	ZF4LOCH	50.23
Knight Boiler Single Wall Adapters		
2"	2SVAKA02	142.71

Appliance Adapter

For use with Buderus GA-124

DESCRIPTION	STOCK NO	EACH
Stainless Steel	ZFGA124	42.84

Straight Tee

SIZE	STOCK NO	EACH
4"	ZF4TEE	111.24
5"	ZF5TEE	122.92
6"	ZF6TEE	135.18
7"	ZF7TEE	157.15
8"	ZF8TEE	188.41

Boot Tee

SIZE	STOCK NO	EACH
5"	ZF5BOTE	310.11
6"	ZF6BOTE	351.82
7"	ZF7BOTE	393.54
8"	ZF8BOTE	456.56

Vertical Drain Tee

DESCRIPTION	STOCK NO	EACH
3"	ZF3DRTEVE	102.11
4"	ZF4DRTEVE	117.72

Horizontal Drain Pipe

DESCRIPTION	STOCK NO	EACH
3"	ZF3DRPIHO	82.08
4"	ZF4DRPIHO	115.56

Tee Cap w/Drain

SIZE	STOCK NO	EACH
4"	ZF4TECA	57.92
5"	ZF5TECA	68.72
6"	ZF6TECA	71.85
7"	ZF7TECA	77.56
8"	ZF8TECA	81.09

Storm Collars

SIZE	STOCK NO	EACH
3"	ZF3STCO	36.46
4"	ZF4STCO	42.17
5"	ZF5STCO	56.44
6"	ZF6STCO	62.46
7"	ZF7STCO	68.53
8"	ZF8STCO	80.60

Flashing 0-30°

SIZE	STOCK NO	EACH
3"	ZF3ROFL	82.58
4"	ZF4ROFL	84.86
5"	ZF5ROFL	136.00
6"	ZF6ROFL	151.17
7"	ZF7ROFL	169.61
8"	ZF8ROFL	209.06

Rain Cap

SIZE	STOCK NO	EACH
3"	ZF3RACA	128.24
4"	ZF4RACA	132.52
5"	ZF5RACA	171.30
6"	ZF6RACA	189.41
7"	ZF7RACA	211.56
8"	ZF8RACA	239.79

Wall Thimbles

SIZE	STOCK NO	EACH
3"	ZF3WATH	68.28
4"	ZF4WATH	70.70
5"	ZF5WATH	78.99
6"	ZF6WATH	108.84
7"	ZF7WATH	108.84
8"	ZF8WATH	104.77



Flexi-Liner Kits

Flexi-Liner, rain cap, top adapter, top flashing, (2) angle supports, bottom mortar sleeve, bottom adapter, fasteners.

DIA.	LENGTH	STOCK NO	EACH
4"	25'	A2504	244.09
4"	35'	A3504	300.20
5"	35'	A3505	354.38
5.5"	35'	A3555	420.17
6"	35'	A3506	420.17
7"	35'	A3507	619.43



Conductor Pipe

10 foot, 26 Guage

DIA.	STOCK NO	EACH
3"	MU120326	35.13
4"	MU120426	37.39

Liner Leader Cone

Used to guide and pull-down Flexi-Liner through masonary chimney.

DIA.	STOCK NO	EACH
4"	FX4PD	35.05
5"	FX5PD	35.05
5.5"	FX55PD	37.83
6"	FX6PD	37.83
7"	FX7PD	37.83

B-Flex Adapter

Universal adapter to go from Flexi-Liner to all types of Class B vent material.

SIZE	STOCK NO	EACH
4"	LBF04	37.83
5"	LBF05	40.89



(28)

Double Wall Flex Connector

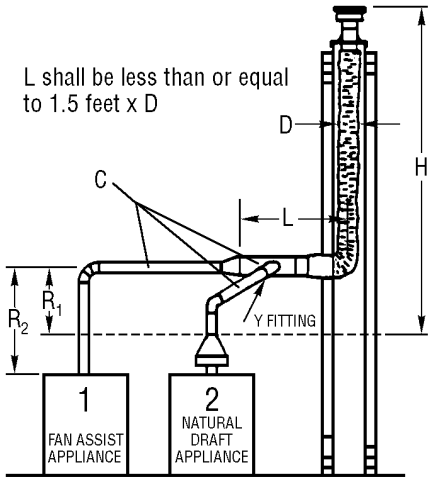
SIZE	STOCK NO	EACH
5' Lengths		
4"	4DWC5	175.59
5"	5DWC5	206.97
4' Lengths		
4"	4DWC4	159.18
3' Lengths		
4"	4DWC3	136.54
5"	5DWC3	162.88
2' Length		
5"	5DWC2	143.13

TWO OR MORE CATEGORY I APPLIANCES

(Appliances listed for use with B-Vent)
GAS VENT CAPACITY FOR CORRUGATED LINERS:
(Derated 20% from B-Vent Tables)

General Venting Requirements

1. Flexi-Liner systems are UL/ULC Listed for masonry chimneys serving Category I natural gas/propane fired appliances.
2. Venting gas fired appliances into unlined masonry chimneys is prohibited. A “Listed” liner or a tile liner conforming to code must be utilized. Misaligned and/or cracked tiles do not constitute a “code” liner.
3. “Fan Assisted” appliances, on their own, shall not be vented into tile lined chimneys unless a “Listed” lining system is installed.
4. The air space around an installed Flexi-Liner system must not be used to vent other appliances.
5. The Flexi-Liner system may be smaller in diameter than the outlet of the appliance being served provided:
   a) the vent height is at least 10 feet.
   b) the liner is not more than one table size smaller.
   c) the “FAN MAX” is reduced by 10% if the appliance is “fan as sisted”.
   d) the outlet is larger than 4" if the appliance is “natural draft”.
6. A Flexi-Liner system venting more than one appliance shall not be smaller diameter than the outlet of the largest appliance being served.
7. If the tables permit a choice of more than one Flexi-Liner diameter, the smallest permitted diameter is preferred.
8. If the vent system contains more than two 90° elbows, the maximum capacity shall be reduced by 10% for each additional 90° elbow or equivalent offset(s).
9. Vent connectors shall be installed in a manner such as stated in the current National Fuel Gas Code.
10. The installation of gas vents shall adhere to local code requirements.



Height "H"	Connector Double or Single Wall "C"	Flex-Liner Common Vent Diameter - "D" (inches)																		
		4"			5"			5.5"			6"			7"			8"		
		Combined Appliance INPUT Rating in Thousands per BTU per Hour																		
		FAN	NAT	NAT	FAN	NAT	NAT	FAN	NAT	NAT	FAN	NAT	NAT	FAN	NAT	NAT	FAN	NAT	NAT
		FAN	FAN	NAT	FAN	FAN	NAT	FAN	FAN	NAT	FAN	FAN	NAT	FAN	FAN	NAT	FAN	FAN	NAT
15'	Double	100	90	73	156	131	115	192	157	140	227	182	165	342	282	224	445	355	292
	Single	97	86	70	151	127	112	186	152	136	220	177	160	333	274	219	435	347	286
25'	Double	116	104	88	184	157	138	227	189	168	270	221	198	409	341	268	537	434	350
	Single	111	100	84	178	152	134	220	183	163	262	214	192	398	332	261	524	423	342
30'	Double	122	110	94	195	168	148	242	203	181	289	238	213	438	367	288	576	468	376
	Single	116	106	90	189	162	143	235	196	175	280	229	206	426	357	279	562	456	367
35'	Double	125	113	98	202	175	154	252	212	188	301	249	222	457	385	300	603	492	392
	Single	119	109	93	195	168	148	243	204	181	291	239	214	444	374	291	588	479	382
45'	Double	151	119	104	216	189	166	271	230	203	325	271	240	494	420	326	656	541	424
	Single	125	114	99	208	180	158	261	220	194	314	260	229	480	407	316	640	526	413

Flue Liners

3' Length

SIZE	STOCK NO	EACH
Seamed Alluminum Liner		
6"	6X3SEALLI	38.86
Stainless Steel		
7"	7X3SSFLLI	105.12

Aluminum Pipe

Part No. ALP

SIZE	STOCK NO	EACH
3x2'	3X2AL	13.83
4x2'	4X2AL	13.83
4x5'	4X5AL	28.56
5x2'	5X2AL	17.21
6x2'	6X2AL	19.36
7x2'	7X2AL	24.48
8x2'	8X2AL	27.51
10x2'	10X2AL	37.39

90° Elbow

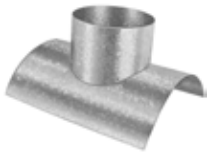
Part No. AL90/SS90

SIZE	STOCK NO	EACH
Aluminum Adjustable		
3"	3ALL	9.86
4"	4ALL	6.17
5"	5ALL	12.61
6"	6ALL	10.35
7"	7ALL	18.73
Stainless Steel Adjustable		
6"	6SSL	107.29
8"	8SSL	147.74

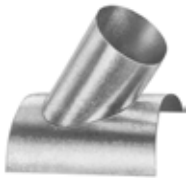
Aluminum Taper Increaser/Reducer

Part No. AL58

SIZE	STOCK NO	EACH
4x3"	4X3ALRI	27.35
5x4"	5X4ALRI	27.35
6x4"	6X4ALRI	28.63
6x5"	6X5ALRI	29.71

90° Vent Saddles

Part No. AL208/207

SIZE	STOCK NO	EACH
90° - Aluminum		
3"	3ALSA90	21.84
4"	4ALSA90	26.09
90° - Galvanized		
3"	3SA90	15.41
4"	4SA90	18.50
5"	5SA90	22.26
6"	6SA90	18.82
7"	7SA90	27.02
8"	8SA90	23.38

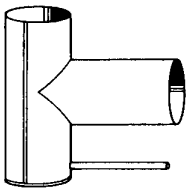
45° Vent Saddles

Part No. AL208/208

SIZE	STOCK NO	EACH
45° - Aluminum		
3"	3ALSA45	24.22
4"	4ALSA45	28.52
5"	5ALSA45	32.25
45° - Galvanized		
3"	3SA45	16.49
4"	4SA45	19.29
5"	5SA45	24.43
6"	6SA45	22.30
8"	8SA45	34.71

Aluminum Tee

Part No. AL54

SIZE	STOCK NO	EACH
3"	3ECT	43.42
4"	4ECT	43.42
5"	5ECT	47.53
6"	6ECT	52.36
7"	7ECT	69.88
8"	8ECT	95.76

Drip Tee

Part No. 5732

SIZE	STOCK NO	EACH
Aluminum		
3"	3ALDRT	65.21
4"	4ALDRT	65.81
5"	5ALDRT	67.03
6"	6ALDRT	81.04
7"	7ALDRT	97.74
8"	8ALDRT	122.66
10"	10ALDRT	185.49
12"	12ALDRT	236.17

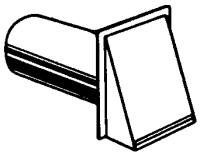
Stainless Steel Plain Tee

Part No. SS54

SIZE	STOCK NO	EACH
6"	6SST	186.51

Southwark Vent Pipe and Fittings (29)

southwarkmetal.com



Fresh Air Intake

Part No. 36

SIZE	STOCK NO	EACH
4"	4FRAIIN	14.74
5"	5FRAIIN	17.42
6"	6FRAIIN	20.72
7"	7FRAIIN	25.95
8"	8FRAIIN	26.79
10"	10FRAIIN	53.23
12"	12FRAIIN	137.44

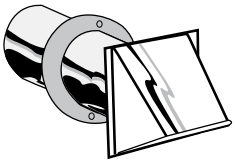


(27)

Make-up Air System

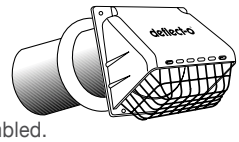
Adjustable gate provides precise airflow control

SIZE	STOCK NO	EACH
6"	MAS2	116.68



Laundry Vents

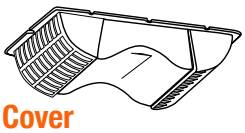
SIZE	STOCK NO	EACH
3"	3LAVE	9.43
4"	4LAVE	9.43



4" Dryer Vent Hood

Pipe and collar assembled.

COLOR	STOCK NO	EACH
White	4RVHAW	8.54
Brown	4RVHXB	8.54



DeFlect-o Under-Eve Vent Cover

For 3" or 4" Openings

COLOR	STOCK NO	EACH
White	EVE6	11.97

Flat Single Wall Flashing

Part No. 141

SIZE	STOCK NO	EACH
4"	4FLAFL	56.17
6"	6FLAFL	62.78
8"	8FLAFL	84.52



Flex Hose

SIZE	STOCK NO	EACH
931 Aluminum		
4"x8'	S9314	13.57



VC923 Hose Clamps

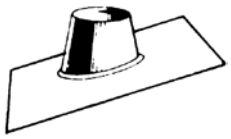
SIZE	STOCK NO	EACH
3"	3HOCL	1.62



Round Vertical Diverter

Part No. 95

SIZE	STOCK NO	EACH
4"	954	59.95
5"	955	63.46
6"	956	79.87



Adjustable Roof Flashing

Part No. 140

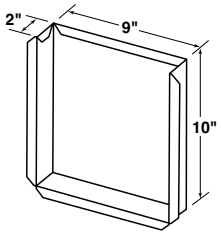
SIZE	STOCK NO	EACH
4"	4ADJFL	38.09
6"	6ADJFL	61.10
8"	8ADJFL	83.24



Single Wall Storm Collar

Part No. 142

SIZE	STOCK NO	EACH
4"	4SWSC	12.99
6"	6SWSC	17.00
8"	8SWSC	21.21



Furnace-Mount Literature Rack

SIZE	STOCK NO	EACH
9"x10"x 2"	LITRACK	7.01

Blacktite



Pipe

Part No. BP24/BP36

SIZE	STOCK NO	EACH
6x24"	6X24BT	26.04
7x24"	7X24BT	29.85
8x24"	8X24BT	33.51
6x36"	6X36BT	37.88
8x36"	8X36BT	48.63



90° Adjustable Elbow

Part No. BP90

SIZE	STOCK NO	EACH
6"	6BTL	22.42
7"	7BTL	26.76
8"	8BTL	30.43



Tee

Part No. BP54

SIZE	STOCK NO	EACH
6"	6BTT	52.18



Reducer/Increaser

Part No. BP58

SIZE	STOCK NO	EACH
6x5"	6X5BTR	36.29
7x6"	7X6BTR	37.11
7x6"	7X6BTR	37.11
8x6"	8X6BTR	41.53

Sheet Metal & Fittings

southwarkmetal.com

Sheet Metal (00e)



Galvanized

Price Per Sheet

SIZE/GAUGE	WEIGHT	STOCK NO	EACH
36" x 96"			
24 Gauge	27.75	36X9624	38.96
26 Gauge	21.75	36X9626	32.37
28 Gauge	18.75	36X9628	26.10
48" x 96"			
24 Gauge	37.00	48X9624	51.27
26 Gauge	29.00	48X9626	42.61
28 Gauge	24.40	48X9628	36.96
48" x 120"			
22 Gauge	46.24	48X12022	77.68
24 Gauge	46.24	48X12024	63.91
26 Gauge	36.25	48X12026	53.16
60" x 120"			
24 Gauge	57.71	60X12024	79.88
26 Gauge	45.38	60X12026	66.41

Duct Fittings (29)



Left Reverse Elbow

Part No. WS7L

SIZE	STOCK NO	EACH
12 x 8"	REL128	137.42
14 x 8"	REL148	137.42
16 x 8"	REL168	145.45
18 x 8"	REL188	145.45



Center Reverse Elbow

Part No. WS7C

SIZE	STOCK NO	EACH
12 x 8"	REC128	137.42
14 x 8"	REC148	137.42
16 x 8"	REC168	145.45
18 x 8"	REC188	145.45
20 x 8"	REC208	152.69

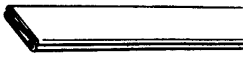


Right Reverse Elbow

Part No. WS7R

SIZE	STOCK NO	EACH
12 x 8"	RER128	137.42
14 x 8"	RER148	137.42
16 x 8"	RER168	145.45
18 x 8"	RER188	145.45

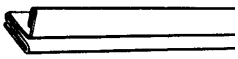
Duct Cleats (29)



"S" Cleat

Part No. 6S

SIZE	STOCK NO	EACH
8"	8SCL	.86
10"	10SCL	.86
12"	12SCL	.96
14"	14SCL	1.07
16"	16SCL	1.24
18"	18SCL	1.54
20"	20SCL	1.66
24"	24SCL	2.01
60"	60SCL	4.58



Standing "S" Cleat

Part No. 37

SIZE	STOCK NO	EACH
25"	25STSCL	3.90
60"	60STSCL	6.40
10'	120STSCL	24.66

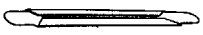


(27)

Duro Dyne Standing "S" Cleat

22 gauge • 1 inch

SIZE	STOCK NO	EACH
10'	DD13235	57.05



Drive Cleat

Part No. 8D

SIZE	STOCK NO	EACH
8"	8DRCL	.54
10"	10DRCL	.68
12"	12DRCL	1.24
60"	60DRCL	3.55

Southwark Duct and Fittings (29)

southwarkmetal.com

Duct

SIZE	STOCK NO	EACH
Part No. TD48		
8x8x48	8X8X4DU	29.89
10x8x48	10X8X4DU	33.96
10x10x48	10X10X4DU	46.80
12x8x48	12X8X4DU	37.46
12x10x48	12X10X4DU	53.02
12x12x48	12X12X4DU	65.44
14x8x48	14X8X4DU	43.21
14x10x48	14X10X4DU	53.58
14x12x48	14X12X4DU	70.44
14x14x48	14X14X4DU	103.21
16x8x48	16X8X4DU	48.20
16x10x48	16X10X4DU	57.73
16x12x48	16X12X4DU	75.37
18x8x48	18X8X4DU	51.99
18x10x48	18X10X4DU	69.74
20x8x48	20X8X4DU	59.37
20x10x48	20X10X48DU	74.95
20x12x48	20X12X4DU	89.45
22x8x48	22X8X4DU	65.70
24x8x48	24X8X4DU	70.65
24x10x48	24X10X4DU	86.41
25x10x48	25X10X4DU	100.87
26x8x48	26X8X4DU	106.83
30x8x48	30X8X4DU	117.24
Part No. TD60		
8x8x60	8X8X5DU	41.81
10x8x60	10X8X5DU	44.58
10x10x60	10X10X5DU	47.76
12x8x60	12X8X5DU	46.90
12x10x60	12X10X5DU	54.63
14x8x60	14X8X5DU	56.31
14x10x60	14X10X5DU	62.54
16x8x60	16X8X5DU	62.54
16x10x60	16X10X5DU	65.91
18x8x60	18X8X5DU	66.44
18x10x60	18X10X5DU	73.97
20x8x60	20X8X5DU	72.33
20x10x60	20X10X5DU	78.59
22x8x60	22X8X5DU	80.88
22x10x60	22X10X5DU	87.98
24x8x60	24X8X5DU	82.58
24x10x60	24X10X5DU	93.28
25x10x60	25X10X5DU	96.32
25x12x60	25X12X5DU	149.24
26x8x60	26X8X5DU	136.72
Part No. TD96		
8x8x96	8X8X8DU	60.86
10x8x96	10X8X8DU	63.39
12x8x96	12X8X8DU	70.32
14x8x96	14X8X8DU	78.08
16x8x96	16X8X8DU	86.37
18x8x96	18X8X8DU	95.99
20x8x96	20X8X8DU	102.01
24x8x96	24X8X8DU	121.38

Trunk Reducers

Part No. 17

SIZE	STOCK NO	EACH
12x8" to 8x8"	128X88TRRE	47.34
14x8" to 10x8"	148X108TRRE	47.34
14x8" to 12x8"	148X128TRRE	47.34
14x10" to 14x8"	1410X148TRRE	96.67
14x12" to 14x10"	1412X1410TRRE	110.12
16x8" to 12x8"	168X128TRRE	47.34
16x8" to 14x8"	168X148TRRE	47.34
18x8" to 16x8"	188X168TRRE	47.34

Transition

2" Rise • Part No. 23AT

SIZE	STOCK NO	EACH
12x8	12X8TR	75.25
14x8	14X8TR	75.25
16x8	16X8TR	86.20
18x8	18X8TR	87.70
20x8	20X8TR	89.45
22x8	22X8TR	97.27
24x8	24X8TR	110.26

90° Shortway Elbow



Part No. 16S

SIZE	STOCK NO	EACH
8x8	8X8DS90	37.53
10x8	10X8DS90	39.77
10x10	10X10DS90	55.07
10x16	10X16DS90	63.50
12x8	12X8DS90	41.29
12x10	12X10DS90	57.31
14x8	14X8DS90	42.62
14x10	14X10DS90	59.04
14x12	14X12DS90	74.13
14x14	14X14DS90	86.69
16x8	16X8DS90	46.80
18x8	18X8DS90	50.84
18x10	18X10DS90	65.72
20x8	20X8DS90	53.06
20x10	20X10DS90	70.81
22x8	22X8DS90	57.17
24x8	24X8DS90	61.52
24x10	24X10DS90	81.39
25x10	25X10DS90	133.50

45° Shortway Angle



Part No. 15S

SIZE	STOCK NO	EACH
8x8	8X8DS45	34.10
8x12	8X12DS45	35.97
10x8	10X8DS45	35.03
10x16	16X10DS45	60.30
10x20	20X10DS45	66.82
12x10	12X10DS45	54.42
14x8	14X8DS45	39.12
14x10	14X10DS45	56.17
16x8	16X8DS45	40.66
18x8	18X8DS45	44.12
20x8	20X8DS45	48.04
22x8	22X8DS45	54.35
24x8	24X8DS45	58.67
24x10	24X10DS45	87.95
25x10	25X10DS45	91.34

No 212FSD Cap



For use with slips and drives

Part No. 21

SIZE	STOCK NO	EACH
8x8	8X8CAPSD	10.23
10x8	10X8CAPSD	10.51
10x10	10X10CAPSD	12.38
10x16	10X16CAPSD	14.34
12x8	12X8CAPSD	10.74
12x10	12X10CAPSD	13.36
14x8	14X8CAPSD	10.98
14x10	14X10CAPSD	13.83
16x8	16X8CAPSD	11.21
18x8	18X8CAPSD	11.21
20x8	20X8CAPSD	11.37
20x10	20X10CAPSD	14.85
22x8	22X8CAPSD	11.37
24x8	24X8CAPSD	14.25
24x10	24X10CAPSD	20.34
25x10	25X10CAPSD	20.34
26x8	26X8CAPSD	21.25

End Cap

Part No. 21

SIZE	STOCK NO	EACH
12x12	12X12CAP	13.83
14x12	14X12CAP	14.34
16x12	16X12CAP	15.25
20x12	20X12CAP	17.00

Offset Starting Collar



2" Rise • Part No. 23

SIZE	STOCK NO	EACH
8x8	8X8OFCO	46.27
10x8	10X8OFCO	47.74
12x10	12X10OFCO	58.53
16x10	16X10OFCO	64.04
20x10	20X10OFCO	71.75
12x8	12X8OFCO	49.19
14x8	14X8OFCO	51.31
14x10	14x10OFCO	61.26
16x8	16X8OFCO	58.01
18x8	18X8OFCO	61.91
20x8	20X8OFCO	63.67
22x8	22X8OFCO	68.50
24x8	24X8OFCO	70.39

Straight Starting Collar



Part No. 20

SIZE	STOCK NO	EACH
8x8	8X8CO	18.38
10x8	10X8CO	20.27
12x10	12X10CO	27.75
16x10	16X10CO	34.24
12x8	12X8CO	20.55
14x8	14X8CO	20.79
14x10	14X10CO	29.61
14x12	14X12CO	34.24
16x8	16X8CO	26.37
18x8	18X8CO	28.73
18x10	18X10CO	36.04
20x8	20X8CO	30.95
20x10	20X10CO	38.40
22x8	22X8CO	34.59
22x10	22X10CO	41.34
24x8	24X8CO	37.32
24x10	24X10CO	50.45
25x10	25X10CO	51.54
25x14	25X14CO	43.39

90° Broadway Elbow

Part No. 14S

SIZE	STOCK NO	EACH
8x8	8X8DL90	47.92
10x8	10X8DL90	48.58
10x12	12X10DL90	59.81
10x16	16X10DL90	73.71
12x8	12X8DL90	53.06
14x8	14X8DL90	57.45
14x10	14X10DL90	70.93
14x12	14X12DL90	87.53
14x14	14X14DL90	155.26
16x8	16X8DL90	64.55
18x8	18X8DL90	65.14
20x8	20X8DL90	73.10
20x10	20X10DL90	95.66
22x8	22X8DL90	94.19
24x8	24X8DL90	98.65
24x10	24X10DL90	110.19
25x10	25X10DL90	200.39

45° Broadway Angle

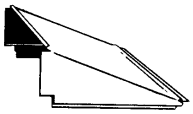
Part No. 13S

SIZE	STOCK NO	EACH
8x8	8X8DL45	35.97
8x10	8X10DL45	38.63
10x10	10X10DL45	53.69
10x20	10X20DL45	79.27
12x8	12X8DL45	43.77
12x10	12X10DL45	57.99
14x8	14X8DL45	47.13
14x10	14X10DL45	62.87
16x8	16X8DL45	50.77
16x10	16X10DL45	67.64
18x8	18X8DL45	56.15
20x8	20X8DL45	60.42
24x8	24X8DL45	74.39
24x10	24X10DL45	109.16
25x10	25X10DL45	144.15

Southwark Duct and Fittings (29)

southwarkmetal.com

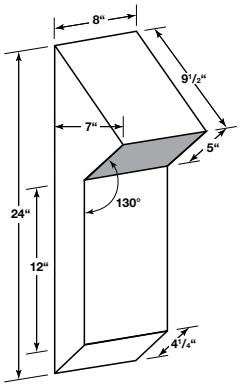
Duct Reducer



Part No. 35

SIZE	STOCK NO	EACH
0-2	02DURE	13.83
2"	0210DURE	16.37
0-4	04DURE	14.60
4"	0410DURE	17.12
0-6	06DURE	15.51
0-8	08DURE	19.36

Snowvent



Prmarily used to raise a vent above the snow line on the side of a house.

STOCK NO	EACH
SNOWVENT	138.96

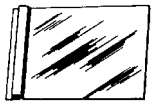
Volume Damper



Part No. 42

SIZE	STOCK NO	EACH
8x8	8X8DA	15.23
10x8	10X8DA	15.23
12x8	12X8DA	15.23
14x8	14X8DA	15.23
16x8	16X8DA	15.23
18x8	18X8DA	15.23
20x8	20X8DA	16.54
24x8	24X8DA	16.54

Joist Panning



Part No. 48/AL48

SIZE	STOCK NO	EACH
No 16 - Galvanized		
16½x 36"	36JOPA	10.04
16½x 48"	48GJOPA	20.88
No 16A - Aluminum		
16½ x 48"	48JOPA	20.09

Filter Rack



Part No. FR

SIZE	STOCK NO	PRICE
14 x 20"	14X20FIRA	35.55
14 x 25"	14X25FIRA	46.66
16 x 20"	16X20FIRA	26.34
16 x 25"	16X25FIRA	26.34
20 x 25"	20X25FIRA	49.86

Square to Round High Efficiency Adhesive Takeoff



Part No. ATHEWD

SIZE	STOCK NO	EACH
5"	5ADTO	33.44
6"	6ADTO	26.16
7"	7ADTO	29.05
8"	8ADTO	32.56
9"	9ADTO	47.95
10"	10ADTO	49.89
12"	12ADTO	59.88
14"	14ADTO	66.16
16"	16ADTO	68.48

Duct Takeoff with Adhesive



Part No. ATT, With Damper ATD

SIZE	STOCK NO	EACH
4"	4ADDTO	13.62
6"	6ADDTO	9.53
6" with Damper	6ADHDUWD	19.43
7" with Damper	7ADHDUWD	24.94
8" with Damper	8ADHDUWD	22.42
10" with Damper	10ADHDUWD	28.19
12" with Damper	12ADHDUWD	34.38

Round Pipe Takeoff

Part No. ATTRP_NG

SIZE	STOCK NO	EACH
5"	5RDTO	12.89
6"	6RDTO	12.33
8"	8RDTO	13.92

Round Pipe Takeoff with Adhesive



Part No. ATTRP, With Damper ATDRP

SIZE	STOCK NO	EACH
6"	6RDADTO	12.33
7"	7RDADTO	21.04
8"	8RDADTO	22.40
6" with Damper	6RDADTOWD	27.86
8" with Damper	8RDADTOWD	34.10

Conical Adhesive Takeoff with Damper

Part No. ATDBM

SIZE	STOCK NO	EACH
6"	6ADCTO	31.02
8"	8ADCTO	36.71
10"	10ADCTO	44.30
12"	12ADCTO	52.88

Speedi Boot

SIZE	STOCK NO	EACH
4 x 10"	SBH410	17.70
4 x 12"	SBH412	18.97

Takeoff with Scoop



Part No. 97LSWDS

SIZE	STOCK NO	EACH
6"	T27S6	13.43
10"	T27S10	26.46

Adjustable Pivot Take-off



Part No. S5

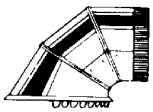
SIZE	STOCK NO	EACH
5"	S55	19.71
6"	S56	15.11
7"	S57	26.88

Adjustable Take-off with Long Gore

Part No. S5-LG

SIZE	STOCK NO	EACH
6"	S56LG6	23.78

Half Tab Take-off



Part No. HT156

SIZE	STOCK NO	EACH
4"	T54	12.89
5"	T55	12.89
6"	T56	9.11
7"	T57	13.73

Half Tab Take-off Long Gore

Part No. HT15LG6

SIZE	STOCK NO	EACH
4"	T54LG	23.92
5"	T55LG	15.95
6"	T56LG	15.72
7"	T57LG	19.36

Full Tab Take-off

Part No. EP15

SIZE	STOCK NO	EACH
6"	T76	9.11
7"	T77	14.74
8"	T78	19.59

Universal Take-off Elbow



Part No. AT90

Can be adjusted to any angle or used straight. Easy install: cut hole, install fitting and bend tabs.

SIZE	STOCK NO	EACH
6"	TE6	10.49
7"	7TOL	23.07

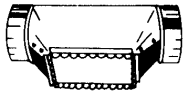
Zero Rise Take-off



Part No. 62

SIZE	STOCK NO	EACH
6"	T156	15.16

Double Top Take-off



Part No. 64

SIZE	STOCK NO	EACH
6"	T176	43.04

(27)

24 Gauge Angles

SIZE	STOCK NO	EACH
1" x 3" x 18"	ANG181X3	2.23

Southwark Duct and Fittings (29)

southwarkmetal.com

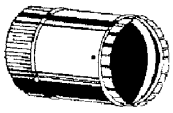
Metal Collar



28 Ga. Galvanized Steel
per ASTM A653 CS Type B

SIZE	STOCK NO	EACH
Crimped • Part No. 1051		
3"	3CCO	4.44
4"	4CCO	4.44
5"	5CCO	4.44
6"	6CCO	3.25
7"	7CCO	5.04
8"	8CCO	3.74
10"	10CCO	9.04
12"	12CCO	10.53
14"	14CCO	11.96
16"	16CCO	15.41
18"	18CCO	19.83
No Crimp • Part No. 1050		
3"	3NCCO	4.44
4"	4NCCO	4.44
5"	5NCCO	4.44
6"	6NCCO	4.44
7"	7NCCO	5.04
8"	8NCCO	5.49
9"	9NCCO	8.41
10"	10NCCO	9.04
12"	12NCCO	10.53
14"	14NCCO	11.96

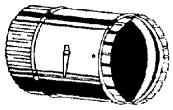
Plain Flex Duct Take-off



Part No. 97LS

SIZE	STOCK NO	EACH
4"	T274	4.88
5"	T275	4.88
6"	T276	4.88
7"	T277	5.58
8"	T278	6.21
10"	T2710	9.83
12"	T2712	10.60

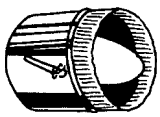
Flex Duct and Collar with Damper



Part No. 97LSWD

SIZE	STOCK NO	EACH
4"	T27D4	15.25
6"	T27D6	15.25
8"	T27D8	17.84
10"	T27D10	19.29
12"	T27D12	28.42

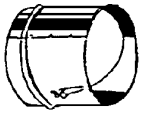
Pipe and Damper Section



Part No. 40

SIZE	STOCK NO	EACH
6"	6PDS	12.89

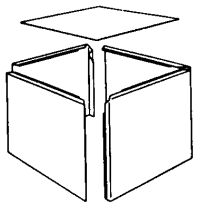
Metal Spin-in with Damper



Part No. 156D

SIZE	STOCK NO	EACH
6"	156D6	15.04
8"	156D8	17.42
10"	156D10	21.98
12"	156D12	26.79

Universal Plenum

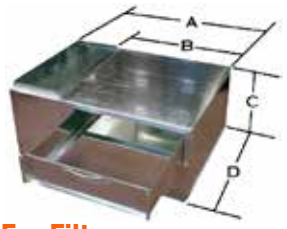


Part No. 49P/49T/49C

SIZE	STOCK NO	EACH
Plenum Panel		
20x34"	20X34UNPLPA	42.09
20x47"	20X47UNPLPA	55.49
24x47"	24X47UNPLPA	63.11
Universal Plenum Top		
20x20"	20X20UNPLTO	21.04
24x24"	24X24UNPLTO	29.54
Custom Plenum		
16x20x48"	16X20X48CUPL	311.42
161/2 x20x48"	1612X20X48CUPL	306.79
191/2 x20x48"	1912X20X48CUPL	346.10
*20x20x48"	20X20X48CUPL	215.12
*24x24x48"	24X24X48CUPL	341.47

***Plenums may be trimmed to size.**

Return Air Support Box For Filters



SBF Series - With Drawer

"A" DIM	"B" DIM	"C" DIM	"D" DIM	RETURN DUCT SIZE	STOCK NO	PRICE
30"	22"	15"	28"	24 x 8	SBF30	420.62
36"	26"	15"	28"	25 x 10	SBF36	438.70
40"	30"	17"	28"	25 x 10	SBF38	506.94

Return Air Support Box

SBF Series - Less Drawer

"A" DIM	"B" DIM	"C" DIM	"D" DIM	RETURN DUCT SIZE	STOCK NO	PRICE
40"	30"	17"	28"	25 x 12	SBF44	512.04

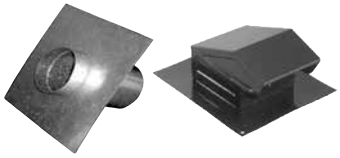
FBC Series Furnace Box



Galvanized Steel - NO Filter Slot

"A" DIM	"B" DIM	"C" DIM	"D" DIM	STOCK NO	PRICE
21"	7¼"	28"	1"	FBC62128	137.79

Roof Cap Adapter



SIZE	STOCK NO	EACH
4"	RCA04	14.90
6"	RCA06	22.37

White Magnetic Cover



For cold air drop

SIZE	STOCK NO	EACH
4x20"	MC420	10.11
4x25"	MC425	12.10

Return Air Drop Assemblies

Consisting of:
- One starting elbow with filter frame.
- Two 32" duct sections.
- One starting collar.
- Slips and drives as required.

MODEL #	STOCK NO	EACH
20x10" Duct to 20x16" Filter		
No. 810EC	70	240.42
20x10" Duct to 20x14" Filter		
No. 812	70K	323.28
25x10" Duct to 25x16" Filter		
No. 811EC	71	259.68
Cold Air Drop for 5" Filter		
712315	712315CAD	569.51
Cold Air Drop		
No. 813	71K	378.09

Cold Air Shoes

SIZE	STOCK NO	EACH
20"x10"-16"x20"	705FS	148.82
16"x25"-25"x10"	71162514S	167.41
25"x16"-25"x10"	76S	201.39
Slide out drawer for filter • filter not included		
16"x25"-25"x20"	71ALTERAIRE2510	292.73

Shoe, Filter, and Cover Only

MODEL #	STOCK NO	EACH
No. 70S	70S	142.63
No. 70KS	70KS	238.13
No. 71SCF	71S	160.45

Return Air Drop Duct Section Only

For No. 70K

SIZE	STOCK NO	EACH
20x10x32"	20X10X32DU	100.59

Return Air Drop Duct Sections Only

SIZE	STOCK NO	EACH
20x10x48"	20X10X48DU	74.95
25x10x32"	25X10X32DU	119.37

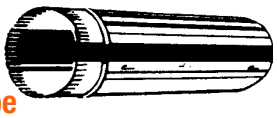
Cold Air Boot

SIZE	STOCK NO	EACH
16"x25-25"x10" w/5" filter	711625FS5	271.53
25"x20-10"x25" w/5" filter	712520FS5	299.76

Cold Air Drop Package

Consisting of:
- 1 - #20 Starting collar
- 2 - 30" duct sections
- 1 - return air plemun with 1" filter rack
- 6 - 10" drive straps

STOCK NO	EACH
819ALTER	441.01



Galvanized Pipe

SIZE	STOCK NO	EACH
2' Length • Part No. SL24		
24 Gauge		
5"	5X224	19.45
6"	6X224	15.79
7"	7X224	18.96
8"	8X224	20.88
9"	9X224	24.27
10"	10X224	30.97
12"	12X224	35.76
14"	14X224	38.84
16"	16X224	46.62
18"	18X224	56.57
26 Gauge		
3"	3X226	6.54
4"	4X226	7.57
5"	5X226	11.07
6"	6X226	11.12
7"	7X226	14.46
8"	8X226	16.82
28 Gauge		
3"	3X228	8.24
4"	4X228	9.62
5"	5X228	13.29
6"	6X228	13.43
7"	7X228	12.66
8"	8X228	23.36
9"	9X228	22.86
10"	10X228	22.86
12"	12X228	34.03
30 Gauge		
3"	3X230	5.28
4"	4X230	5.28
5"	5X230	6.21
6"	6X230	6.42
7"	7X230	8.41
8"	8X230	8.78
10"	10X230	14.62
5' Length • Part No. SL60		
26 Gauge		
4"	4X526	21.49
5"	5X526	23.73
6"	6X526	24.06
7"	7X526	29.19
8"	8X526	31.41
9"	9X526	38.68
10"	10X526	39.47
12"	12X526	46.24
14"	14X526	55.80
16"	16X526	71.00
18"	18X526	114.35
28 Gauge		
4"	4X528	19.66
8"	8X528	53.25
10"	10X528	51.92
30 Gauge		
3"	3X530	12.64
4"	4X530	12.64
5"	5X530	13.64
6"	6X530	13.64
7"	7X530	18.22
8"	8X530	21.63
10"	10X530	30.03
12"	12X530	32.32
10' Length • Part No. SL120		
30 Gauge		
4"	4X1030	22.23
5"	5X1030	27.30
6"	6X1030	27.30
7"	7X1030	36.43



Elbow

Part No. 90

SIZE	STOCK NO	EACH
24 Gauge		
5"	524L	14.01
6"	624L	14.01
7"	724L	20.65
8"	824L	21.44
9"	924L	22.30
10"	1024L	26.88
12"	1224L	32.25
14"	1424L	45.94
16"	1624L	66.61
18"	1824L	83.21
20"	2024L	102.69
26 Gauge		
4"	426L	5.72
5"	526L	7.87
6"	626L	8.22
7"	726L	9.02
8"	826L	9.44
9"	926L	16.77
10"	1026L	17.12
12"	1226L	20.69
14"	1426L	26.79
28 Gauge		
3"	328L	5.42
4"	428L	5.42
5"	528L	6.68
7"	728L	15.39
8"	828L	11.21
10"	1028L	14.76
30 Gauge		
3"	330L	3.81
4"	430L	3.81
5"	530L	4.44
6"	630L	4.44
7"	730L	6.26
8"	830L	7.17
9"	930L	13.92
10"	1030L	14.76

Tee Joint

Part No. 54



SIZE	STOCK NO	EACH
24 Gauge		
6"	624T	33.44
7"	724T	36.81
8"	824T	40.94
10"	1024T	49.42
26 Gauge		
3"	326T	24.41
4"	426T	24.78
5"	526T	25.64
6"	626T	31.20
7"	726T	36.13
8"	826T	37.79
10"	1026T	46.36
12"	1226T	55.65
14"	1426T	73.03
16"	1626T	80.83



Air Flow Joint

Part No. 52 - Tee Wye

SIZE	STOCK NO	EACH
8x6x6"	8X6X6TY	39.49

Water Heater Fittings

SIZE	STOCK NO	EACH
Part No. 490 - 90° Tee		
6x6x5"	6X6X5T	44.70
Part No. 52 - 45° Tee		
5x4x4"	5X4X4WHT	24.22

Straight Perimeter Boot

Part No. 27R

SIZE	STOCK NO	EACH
2¼ x 10 x 5"	P52105	12.92
2¼ x 10 x 6"	P52106	11.35
2¼ x 12 x 5"	P52125	12.92
2¼ x 12 x 6"	P52126	8.64
2¼ x 14 x 6"	P52146	15.53
4 x 10 x 5"	P54105	10.56
4 x 10 x 6"	P54106	9.11
4 x 10 x 7"	P54107	12.24
4 x 12 x 6"	P54126	9.67
4 x 12 x 7"	P54127	12.38
4 x 12 x 8"	P54128	12.71
4 x 14 x 7"	P54147	14.41
4 x 14 x 8"	P54148	14.41
6 x 10 x 6"	P56106	21.16
6 x 12 x 6"	P56126	14.41

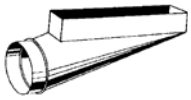
90° Angle Perimeter Boot

Part No. 24R

SIZE	STOCK NO	EACH
2¼ x 10 x 5"	P132105	12.92
2¼ x 10 x 6"	P132106	10.32
2¼ x 12 x 5"	P132125	13.50
2¼ x 12 x 6"	P132126	8.64
2¼ x 12 x 7"	P132127	13.50
2¼ x 14 x 6"	P132146	14.41
4 x 8 x 6"	P13486	15.55
4 x 10 x 5"	P134105	9.41
4 x 10 x 6"	P134106	9.11
4 x 10 x 7"	P134107	12.24
4 x 12 x 5"	P134125	14.32
4 x 12 x 6"	P134126	9.67
4 x 12 x 7"	P134127	12.38
4 x 12 x 8"	P134128	12.71
4 x 14 x 7"	P134147	14.41
4 x 14 x 8"	P134148	14.41
With 8" Reinforced Wing		
4 x 10 x 6"	4X10X6ANPEBOW8	29.68

Center Perimeter Boot

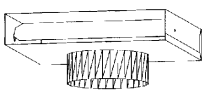
Part No. 28R



SIZE	STOCK NO	EACH
2 x 10 x 4"	P172104	13.34
2¼ x 10 x 5"	P172105	13.34
2¼ x 10 x 6"	P172106	12.31
2¼ x 12 x 5"	P172125	13.83
2¼ x 12 x 6"	P172126	10.14
2¼ x 12 x 7"	P172127	17.68
2¼ x 14 x 6"	P172146	14.41
4 x 10 x 4"	P174104	13.57
4 x 10 x 5"	P174105	9.41
4 x 10 x 6"	P174106	9.11
4 x 12 x 6"	P174126	9.67
4 x 12 x 7"	P174127	12.38
4 x 12 x 8"	P174128	14.81
4 x 14 x 7"	P174147	14.90
4 x 14 x 8"	P174148	14.90
Right End Boot • Part No. 28RR		
2¼ x 12 x 5"	P17R2125	14.13
2¼ x 12 x 6"	P17R2126	9.83
4 x 10 x 6"	P17R4106	12.10
4 x 12 x 6"	P17R4126	12.49
Left End Boot • Part No. 28RL		
2¼ x 12 x 5	P17L2125	14.13
2¼ x 12 x 6	P17L2126	9.83
4 x 10 x 6	P17L4106	12.10
4 x 12 x 6	P17L4126	12.49

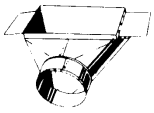
Toe-Kick Boot with Damper

No. TK-226D



SIZE	STOCK NO	EACH
2¼x12x6"	214X12X6BOWD	37.67

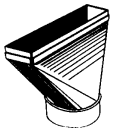
Basement Boot



Part No. PH5

SIZE	STOCK NO	EACH
4x10x6"	PB13406	23.26
4x12x6"	PB13426	29.61
6x10x6"	PB13606	18.05
8" Reinforced Wing • Part No. 28RWE		
4x10x6"	PB13406W8	30.97

Straight Stack Boot



Part No. 27

SIZE	STOCK NO	EACH
2¼ x 12 x 6	52126	14.39
3¼ x 10 x 5	53105	18.75
3¼ x 10 x 6	53106	12.66
3¼ x 10 x 7	53107	19.36
3¼ x 12 x 6	53126	13.99
3¼ x 12 x 7	53127	19.48

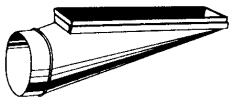
90° Stack Boot



Part No. 24

SIZE	STOCK NO	EACH
2¼ x 10 x 5	132105	18.75
2¼ x 10 x 6	132106	14.74
2¼ x 12 x 6	132126	14.39
3¼ x 10 x 6	133106	14.39
3¼ x 10 x 7	133107	19.36
3¼ x 12 x 6	133126	14.39
3¼ x 12 x 7	133127	21.44

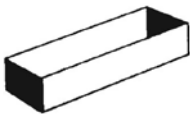
End Stack Boot



Part No. 28

SIZE	STOCK NO	EACH
2¼ x 10 x 6	172106	16.40
2¼ x 12 x 6	172126	14.60
3¼ x 10 x 6	173106	14.60
3¼ x 10 x 7	173107	19.06
3¼ x 12 x 6	173126	17.00
3¼ x 12 x 7	173127	22.00

Straight Boot Extension



Part No. PHEXT

SIZE	STOCK NO	EACH
2¼ x 12	33212	12.07
3¼ x 10	33310	7.61

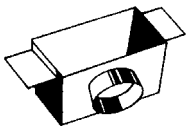
Ceiling Diffuser Box



Part No. 72WF

SIZE	STOCK NO	EACH
6 x 8"	6X8CEBO	59.46

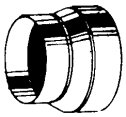
Ceiling Register Head



Part No. 20H

SIZE	STOCK NO	EACH
10 x 6 x 6	201066	23.19
12 x 6 x 6	201266	37.74

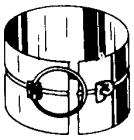
Tapered Reducer/Increaser



Part No. 58 - No Crimp

SIZE	STOCK NO	EACH
4x3	4X3RI	7.96
5x3	5X3RI	9.48
6x3	6X3RI	9.48
5x4	5X4RI	9.48
6x4	6X4RI	9.48
8x4	8X4RI	15.86
6x5	6X5RI	9.48
7x5	7X5RI	11.09
8x5	8X5RI	15.86
10x5	10X5RI	34.80
7x6	7X6RI	11.09
8x6	8X6RI	15.86
9x6	9X6RI	19.36
10x6	10X6RI	19.36
12x6	12X6RI	20.60
8x7	8X7RI	15.86
9x7	9X7RI	19.36
10x7	10X7RI	19.36
9x8	9X8RI	19.36
10x8	10X8RI	19.36
12x8	12X8RI	20.60
10x9	10X9RI	19.36
12x9	12X9RI	20.60
12x10	12X10RI	20.60
14x10	14X10RI	25.78
14x12	14X12RI	25.78
16x10	16X10RI	32.42
16x12	16X12RI	32.42
16x14	16X14RI	32.42
18x10	18X10RI	61.00
18x12	18X12RI	47.04
18x14	18X14RI	47.04
18x16	18X16RI	47.04
Part No. 58_CR - Small End Crimped		
6x4"	6X4RISEC	26.62

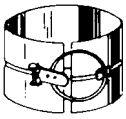
Drawband



Part No. S75

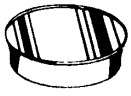
SIZE	STOCK NO	EACH
5"	5DRBA	10.46
6"	6DRBA	8.80
7"	7DRBA	10.65
8"	8DRBA	11.96

Connector



SIZE	STOCK NO	EACH
6"	6S55DRBA	12.87

Plain Cap



Part No. 55

SIZE	STOCK NO	EACH
3"	3PLCA	11.96
4"	4PLCA	10.11
5"	5PLCA	11.96
6"	6PLCA	11.02
7"	7PLCA	12.24
8"	8PLCA	12.49
9"	9PLCA	15.09
10"	10PLCA	18.05
12"	12PLCA	18.82
14"	14PLCA	25.95
16"	16PLCA	29.82
18"	18PLCA	57.50

Round Damper



Part No. 44

SIZE	STOCK NO	EACH
5"	5RODA	7.59
6"	6RODA	3.09
7"	7RODA	11.12
8"	8RODA	3.77

(30)

Durodyne Quadrant Damper



WITH HARDWARE

SIZE	STOCK NO	EACH
⅜"	38QUDAS	20.04
½"	12QUDAS	22.83

(30)

"Rapit" Regulators

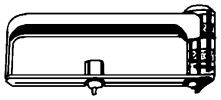


8085—RS2562 R. bearings, 1 wash handle and wing nut.
Packed 10 Per Package

STOCK NO	BOX
RS256	55.86

(40)

SM3-12 Multi-Cut Hole Cutter



Cuts 2"–12" diameter.

STOCK NO	EACH
MUCUHOCU	109.86
MB-316 Replacement Bit	
REBI	41.50
MC-12 Pivet Pin	
MC12	8.97
MC-13 Pivet Pin Nut	
MC13	9.20

(29)

Dryer Box



- Saves space, saves energy, reduces fire hazard
- 22 ga aluminized steel (safe, rigid, rust free, paintable)
- Tapored bottom provides room for anchor bolt
- 21" high x 12" wide, 4¼" depth from nailing flange

Box only • Part No. DVB

FOR WALL DEPTH	STOCK NO	BOX
4"	4DRBO	65.60
6"	6DRBO	65.60

CounterFlow Dryer Box

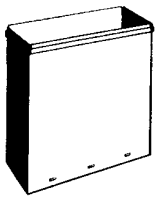
WALL SIZE	STOCK NO	EACH
4"	4CFDRBO	65.60
6"	6CFDRBO	65.60

(29)

Dryer Box Elbow

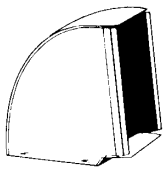
DE-104

SIZE	STOCK NO	EACH
4"	DRYELL	47.74



Wall Stack

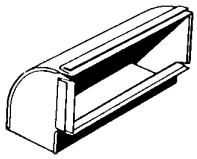
SIZE	STOCK NO	EACH
24" Length • Part No. WSJ24		
2¼ x 10	20021024	20.46
2¼ x 12	20021224	22.75
3¼ x 10	20031024	12.78
3¼ x 12	20031224	23.78
3¼ x 14	20031424	27.56
48" Length • Part No. WSJ48		
2¼ x 12	20021248	66.80



90° Longway Stack Elbow

Part No. WS14

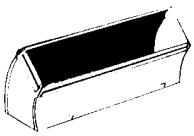
SIZE	STOCK NO	EACH
3¼ x 10	290310	42.18



90° Shortway Stack Elbow

Part No. WS16

SIZE	STOCK NO	EACH
2¼ x 12	216212	20.86
3¼ x 10	216310	20.13
3¼ x 12	216312	21.91



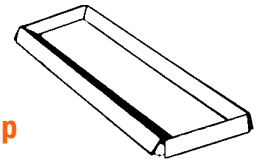
45° Shortway Stack Angle

Part No. WS15

SIZE	STOCK NO	EACH
2¼ x 12	206212	19.81
3¼ x 10	206310	17.98



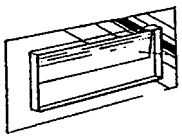
For duct tapes see page 828



Stack End Cap

Part No. WS21

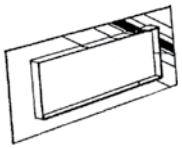
SIZE	STOCK NO	EACH
2¼ x 12"	214X12STENCA	14.39



Wall Register Frame with Damper

Part No. 31D

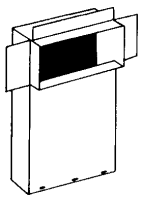
SIZE	STOCK NO	EACH
12x6	24FD126	19.13
14x6	24FD146	11.14
30x6"	24FD306	21.65



Wall Register Frame LESS Damper

Part No. 31

SIZE	STOCK NO	EACH
14x6	24F146	7.15
30x6"	24F306	17.38



Register Head

Part No. WS

SIZE	STOCK NO	EACH
2¼ x 10-10x6	26210106	35.08
2¼ x 12-12x6	26212126	42.09
3¼ x 10-10x6	26310106	40.78
3¼ x 12-12x6	26312126	43.77

5' Plaster Guard

STOCK NO	EACH
60PLAST	18.26

(27)

Furnace Leg

STOCK NO	EACH
FURLEG	1.18



(27)

Duct Hanger

STOCK NO	EACH
DHMINI	.20



(27)

Bassett Square Duct Hanger

SIZE	STOCK NO	EACH
8"	BH38BASQHA	.68
9"	BH39BASQHA	.75
10"	BH10	.93

(27)

Pipe Bracket

STOCK NO	EACH
HNGRPRO	1.63

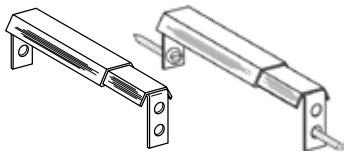


(27)

Basset Galvanized Pipe Brackets

Barbed tips with built-in hammer guide.
Adjustable to the correct width with one Hand.

DESCRIPTION	STOCK NO	EACH
Adjustable 12-19"	A125	1.65
Adjustable 19-26"	E125G	2.06



(27)

Basset Galvanized "Tab" Brackets

Screw tabs for use with manufactured joists.
Quickly adjusts to the correct width with one hand.

DESCRIPTION	STOCK NO	EACH
LESS Screws		
Adjustable Tab 12-19"	AT150	1.70
WITH Screws		
Adjustable Tab 12-19"	ATS125	1.94
Adjustable 19-26"	ETS125G	2.33



(27)

Basset Pipe Hanger

For fast and easy installation of round 5" and 6" pipes.

STOCK NO	EACH
BH2BAHA	.98



(27)

Basset Duct Strap

After tapping barbed end into joist, fasten to duct with sheet metal screw, drill screw or pop rivet. Jobs look neater, stay put longer and go up faster. Can be used on any size duct.

STOCK NO	EACH
DS3BADUST	.43

Oval



Oval Pipe

SIZE	STOCK NO	EACH
5x60"	5X60OV	32.46
6x60"	6X60OV	16.54
6x100"	6X100OV	27.77
6x113"	6X113OV	30.99
6x120"	6X120OV	36.69
7x60"	7X60OV	20.20
7x100"	7X100OV	32.81
7x113"	7X113OV	37.39
8x60"	8X60OV	31.48
8x100"	8X100OV	52.43



Round To Oval Straight Boot

Part No. 127

SIZE	STOCK NO	EACH
5"	5OVRDBO	23.68
6"	6OVRDBO	11.40
7"	7OVRDBO	18.82
8"	8OVRDBO	23.21



Round To Oval End Boot

Part No. 106

SIZE	STOCK NO	EACH
5"	5OVRDENBO	40.08
6"	6OVRDENBO	20.48
7"	7OVRDENBO	26.02
8"	8OVRDENBO	30.57



Oval To Oval End Boot

Part No. 128

SIZE	STOCK NO	EACH
6"	6OVOVENBO	37.32
7"	7OVOVENBO	43.49
8"	8OVOVENBO	43.48



Vertical 45° Angle

Part No. 115

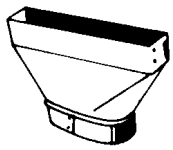
SIZE	STOCK NO	EACH
6"	6OVVEAN	7.66
7"	7OVVEAN	10.11
8"	8OVVEAN	13.76



Flat 45° Angle

Part No. 113

SIZE	STOCK NO	EACH
6"	6OVFLAN	12.07
7"	7OVFLAN	20.13
8"	8OVFLAN	22.16



Straight Register Boot

Part No. 127R

SIZE	STOCK NO	EACH
6x2¼x12"	6X214X12OVSTREBO	44.82



Straight Register Box

Part No. 355

SIZE	STOCK NO	EACH
6x2¼ x12	6X214X12OVSTREBOX	19.24



Round To Oval 90° Boot

Part No. 124

SIZE	STOCK NO	EACH
5"	5OVRD90BO	23.68
6"	6OVRD90BO	12.10
7"	7OVRD90BO	15.09
7" Oval x 6" Rd.	7X6OVRD90BO	20.04
8"	8OVRD90BO	17.82



Vertical 90° Elbow

Part No. 116

SIZE	STOCK NO	EACH
6"	6OVVEL	7.66
7"	7OVVEL	10.28
8"	8OVVEL	15.30



Flat 90° Elbow

Part No. 114

SIZE	STOCK NO	EACH
5"	5OVFLL	17.61
6"	6OVFLL	19.52
7"	7OVFLL	29.19
8"	8OVFLL	29.17



Stackhead

Part No. 110

SIZE	STOCK NO	EACH
4x12x5"	4X12X5OVST	24.45
4x10x6"	4X10OVST	23.43
4x12x6"	4X12OVST	23.43
6x10x6"	6X10OVST	18.45
6x12x6"	6X12OVST	20.48
6x14x6"	6X14OVST	33.51
6x10x7"	7X10OVST	21.95
6x12x7"	7X12OVST	23.94
6x14x7"	7X14OVST	23.71
6x12x8"	8X12OVST	43.16
6x14x8"	8X14OVST	43.16

THERMOPAN



Return Air Panning

Two metalized sides with recycled insulation between. Comes with preformed attached headers, presision diecut and scored for easy install. Staples easily and quickly to floor joists.

SIZE	STOCK NO	EACH
16 x 48"	16X48JOPA	6.39
19½ x 48"	1912X48JOPA	7.83
24 x 48"	24X48JOPA	9.74

Standard Header

SIZE	STOCK NO	EACH
16 x 12"	16X12JOHE	4.08

I-Joist Header

SIZE	STOCK NO	EACH
16 x 19"	16X19JOHE	8.18



Thermo-O-Clean Filtered Return Air Frame

Allows air to flow through but stops dust and dirt from entering. Remove filter before installing grille. Must be level. 36"x6" is equal to (2) 14"x6".

STOCK NO	EACH
30X6RAFRFI	8.41



Windowed Supply Floor Frames

Air boot frame with clear film allows for sealing supply duct during installation. Prevents dirt from penetrating the duct system.

SIZE	STOCK NO	EACH
2¼ x 10"	2X10SUFR	3.05
2¼ x 12"	2X12SUFR	3.29
4 x 10"	4X10SUFR	3.16
4 x 12"	4X12SUFR	3.39



Thermo-Pan Accessories

Joist Panning Connector

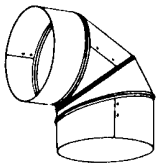
SIZE	STOCK NO	EACH
16"	16JOPACO	1.18
19½"	1912JOPACO	1.49



Button-Lok Hanger

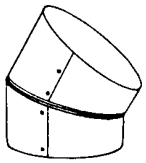
SIZE	STOCK NO	EACH
2" x 100'	TBL2X100	96.63

PVC Coated Galvanized



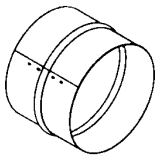
90° Elbow
No 520

SIZE	GAUGE	STOCK NO	EACH
6"	26	6PVAIDUL	30.83
8"	26	8PVAIDUL	46.57
10"	24	10PVAIDUL	63.75
12"	24	12PVAIDUL	94.77



45° Elbow
No 530

SIZE	GAUGE	STOCK NO	EACH
6"	26	6PVAIDU45L	17.84
8"	26	8PVAIDU45L	26.68
10"	24	10PVAIDU45L	39.31
12"	24	12PVAIDU45L	55.36

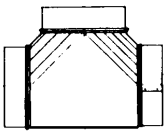


Coupling
No 533

SIZE	STOCK NO	EACH
6"	6PVAIDUC	14.60
8"	8PVAIDUC	18.98

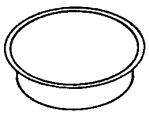


For duct tapes see page 828



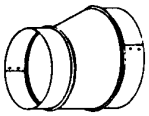
Tee
No 550

SIZE	STOCK NO	EACH
8"	8PVAIDUT	68.26
10"	10PVAIDUT	74.10
12"	12PVAIDUT	106.98



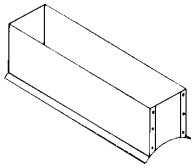
Cap
No 560

SIZE	STOCK NO	EACH
6"	6PVAIDUCAP	38.78
8"	8PVAIDUCAP	44.99
10"	10PVAIDUCAP	53.50
12"	12PVAIDUCAP	65.80



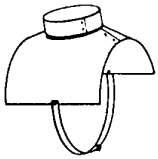
Tapered Reducer
No 581

SIZE	STOCK NO	EACH
8x6	8X6PVAIDUR	51.00
10x6	10X6PVAIDUR	62.55
10x8	10X8PVAIDUR	62.55
12x8	12X8PVAIDUR	85.17
12x10	12X10PVAIDUR	85.17



Register Saddle
No 501

SIZE	STOCK NO	EACH
2¼ x 12 x 6	214X12X6PVAIDURESA	29.41
4 x 12 x 6	4X12X6PVAIDURESA	33.31

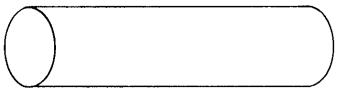


Saddle Tee
No 599

SIZE	STOCK NO	EACH
6" on 8"	6X8PVAIDUSAT	32.10
8" on 10"	8X10PVAIDUSAT	35.03

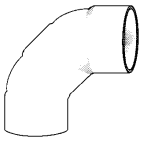
PVC Air Duct Pipe and Fittings (27a)

Solid PVC



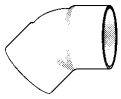
Air Duct Pipe

SIZE	O.D.	I.D.	STOCK NO	FOOT
6"	6.14"	5.988"	6PVAIDU	10.72
8"	8.16"	7.958"	8PVAIDU	16.45
10"	10.20"	9.948"	10PVAIDU	25.43
12"	12.24"	11.938"	12PVAIDU	36.69
14"	14.32"	13.97"	14PVAIDU	55.05



90° Elbows

SIZE	STOCK NO	EACH
6"	6PVAIDUSOL	117.97
8"	8PVAIDUSOL	152.58
10"	10PVAIDUSOL	171.26
12"	12PVAIDUSOL	208.83
14"	14PVAIDUSOL	353.31



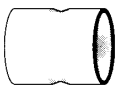
45° Elbows

SIZE	STOCK NO	EACH
6"	6PVAIDUSO45L	59.41
8"	8PVAIDUSO45L	81.24
10"	10PVAIDUSO45L	105.07
12"	12PVAIDUSO45L	123.78
14"	14PVAIDUSO45L	183.32



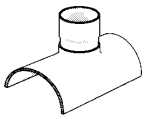
Tees

SIZE	STOCK NO	EACH
8"	8PVAIDUSOT	175.25
10"	10PVAIDUSOT	249.29
12"	12PVSOAIDUT	296.80



Couplings

SIZE	STOCK NO	EACH
8"	8PVAIDUSOC	65.35
10"	10PVAIDUSOC	80.98
12	12PVAIDUSOC	110.44



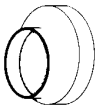
Saddle Tees

SIZE	STOCK NO	EACH
6 on 8"	68PVAIDUSOSAT	47.68
6 on10"	610PVAIDUSOSAT	108.18
6 on14"	614PVAIDUSOSAT	247.53
8 on 10"	810PVAIDUSOSAT	114.25
6 on 12"	612PVAIDUSOSAT	136.08
8 on 12"	812PVAIDUSOSAT	142.13



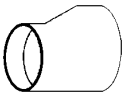
End Caps

SIZE	STOCK NO	EACH
6"	6PVAIDUSOCAP	33.21
8"	8PVAIDUSOCAP	46.83
10"	10PVAIDUSOCAP	61.79
12	12PVAIDUSOCAP	110.62



Standard Reducer

SIZE	STOCK NO	EACH
12x8"	12X8PVAIDUSOSTRE	181.52



Tapered Reducer

SIZE	STOCK NO	EACH
8x6"	8X6PVAIDUSOTARE	95.99
10x8"	10X8PVAIDUSOTARE	110.64
12x10"	12X10PVAIDUSOTARE	118.08
14x12"	14X12PVAIDUSOTARE	222.03

Black Max

Plastic duct fittings for under slab heating and air conditioning



90°/45° Elbows

(cut in half for 45°)

SIZE	STOCK NO	EACH
6"	6BLAIDUL	58.07
8"	8BLAIDUL	68.81
10"	10BLAIDUL	92.86
12"	12BLAIDUL	98.00



Register Boot Box

SIZE	STOCK NO	EACH
4x10x6"	4X10X6BLAIDUREBOX	70.57
4x12x6"	4X12X6BLAIDUREBOX	74.11
4x14x8"	4X14X8BLAIDUREBOX	77.35



Saddle Boot

SIZE	STOCK NO	EACH
For 6"-16" pipe		
4 x 10"	4X10X6BLAIDUSA	45.04
4 x 12"	4X12x8BLAIDUSA	54.37
2¼ x 12"	214X12x8BLAIDUSA	60.47



IPS Weld-On 600 Plastic Adhesive

Can be used for polyethylene fittings to PVC pipe for HVAC duct applications. There should be no undue stress on joints during set and cure. Clear color.

SIZE	STOCK NO	EACH
Quart	QTAIDUCE	83.11

THE TOUGHEST DUCT IN TOWN
BLACK MAX®



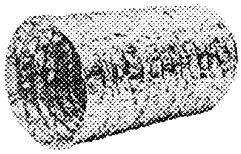
Metalized Reinforced Insulated Flexible Duct

- Galvanized spring steel wire helix
- Completely encapsulated within two layers of tough polyester film
- This core is then wrapped with a thick blanket of energy-saving fiberglass insulation and covered by a protective vapor barrier of metalized polyester

SIZE	STOCK NO	EACH
R-8 insulation rating-25'		
3"	3X25REINDUR8	76.42
4"	4X25REINDUR8	76.42
5"	5X25REINDUR8	82.71
6"	6X25REINDUR8	86.84
7"	7X25REINDUR8	97.59
8"	8X25REINDUR8	106.63
10"	10X25REINDUR8	127.72
12"	12X25REINDUR8	157.23
14"	14X25REINDUR8	186.73
R-4.2 insulation rating-25'		
4"	UPC0304	45.93
5"	UPC0305	53.42
6"	UPC0306	60.36
7"	UPC0307	66.06
8"	UPC0308	71.53
9"	UPC0309	80.79
10"	UPC03010	89.77
12"	UPC03012	108.72
14"	UPC03014	131.82
16"	UPC03016	155.03
18"	UPC03018	179.61



For duct tapes see page 828



Uninsulated Flexible Duct

- Constructed of multiple plies of aluminum foil and polyester film encapsulating a high carbon steel wire helix to form an impervious, flame resistant air connector
- For low to medium pressure HVAC applications
- UL rated velocity: 4000 F.P.M.
- Temperature range -20°F to 180°F

SIZE	STOCK NO	EACH
3"	3X25UNDU	36.95
4"	4X25UNDU	38.99
5"	5X25UNDU	47.00
6"	6X25UNDU	52.26
7"	7X25UNDU	60.03
8"	8X25UNDU	68.26
10"	10X25UNDU	86.17
12"	12X25UNDU	107.25
14"	14X25UNDU	130.21

System 6000 R4.2 Slip-on Insulating Sleeves

- For fast, economical installation on roundmetal pipe.
- 1" fiberglass insulation blanket and a polyethylene vapor barrier in convenient 5' sections
- Sized to fit standard sheetmetal pipe diameters

SIZE	STOCK NO	EACH
4"	4X5INSL	15.59
5"	5X5INSL	17.05
6"	6X5INSL	18.17
7"	7X5INSL	19.71
8"	8X5INSL	21.50
10"	10X5INSL	26.95
12"	12X5INSL	33.38
14"	14X5INSL	42.92

R-8 Slip-on Insulating Sleeves

No. UPC011.

SIZE	STOCK NO	EACH
4"	4X5INSLR8	20.69
5"	5X5INSLR8	22.38
6"	6X5INSLR8	23.53
8"	8X5INSLR8	28.82

Metalized Reinforced Insulated Flexible Duct No MHP50

- Constructed around 10" core.
- Galvanized spring steel wire helix.
- Completely encapsulated within two layers of tough polyester film.
- This core is then wrapped with a thick blanket of energy-saving fiberglass insulation and covered by a protective vapor barrier of metalized polyester.

R-4 insulation rating-50'

SIZE	STOCK NO	EACH
4"	4X50REINDU	96.05
5"	5X50REINDU	111.73
6"	6X50REINDU	126.23
7"	7X50REINDU	138.12
8"	8X50REINDU	149.53
10"	10X50REINDU	187.71

Dyn-O-Tie Gun



STOCK NO	EACH
8229 DIT-2 . . . . . 8229INTO	89.36

Dyn-O-Ties



SIZE	STOCK NO	EACH
36"	8322DUTI	.54
48"	8323DUTI	1.33

Note: 7" Cable Ties Located on Page 649

DS100 Shurstrap™ Duct Hanging Strap



Lightweight, strong and durable, while providing excellent tensil strength.Resists aging, corrosion, abrasion, chemical and mildew. Easy to use.

SIZE	STOCK NO	EACH
1¾"x 260'	2DUST	7.70

Duroseal® Duct Sealer

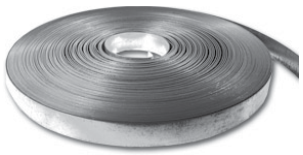


For sealing air handling systems, up to 15 w.g., UL181B-M listed. Exceeds all SMACNA pressure and sealing classes. For low, medium and high pressure duct systems, indoor and outdoor use.

No. 5233/5231

SIZE	STOCK NO	EACH
1/10 Gal. Cartridge.	DD5233	7.11
Gallon.	DD5231	29.76

Coiled Duro Strap



Galvanized hanging strap, 30 Guage.

SIZE	STOCK NO	EACH
1½"x 100'	DD13167	68.53

Bramec Metal Duct Strap

Sioux Falls Code Approved, 24 Guage.

SIZE	STOCK NO	EACH
1"x 100'	BR14309	43.27

Gasketing

SIZE	STOCK NO	PER FOOT
No. 21042 Butyl Gasket		
25' Minimum.	DD21042	.45
No. 21043 Neoprene Gasket		
50' Minimum.	DD21043	.89

Dyn-O-Loc



DOMRL12

Tie rods can support duct sizes over 48" Insert into the ends of the hollow tie rods to provide a means of attaching the rods to the duct Tested to withstand over 1900 lbs.

SIZE	STOCK NO	EACH
½"	DD21097	539.08

Looped Cable with Dyna-Tite Lock Kit



Includes Wire rope with pre-looped cable end. The remaining wire rope "drop" is passed through a channel in the Dyna-Tite Cable Lock Kit provided

SIZE	SAFE LOAD	STOCK NO	EACH
5', 1½" Loop	25-150 lbs.	DD31085	13.80
25', 2" Loop	25-250 lbs.	DD30196	31.45

Speed Link Cable Supports see page 1503

90° Eyelets & Cable Assembly



Zinc plated Dyna-Tite 90° Eyelet swaged to the wire rope cable with a hydraulic press.

Safe Working Load 25-150 lbs.

Use CL12 Cable Locks (Stock No DD30351)

EYELET SIZE	CABLE LENGTH	STOCK NO	EACH
¼"	10'	DD30145	9.89

Dyn-O-Mate "J" Flange



DOMJ Flange - 20 Gauge Steel

SIZE	STOCK NO	EACH
12 ft.	DD21234	66.98
20 ft.	DD21230	111.63

DDJ Corner



For use with DOMJ Flange.
12 Gauge Steel • Nuts/Bolts Sold Seperately.

ITEM NO.	STOCK NO	EACH
21240	DD21240	2.29

Dyna-Tite Bracket



Used with rectangular ductwork and equipment with pre-assembled cable lock

STOCK NO	EACH
DD30361	7.23

Dyn-O-Wrap



Puncture Resistant

Light Blue Tint, UV Resistant, Waterproof.

SIZE	STOCK NO	EACH
24" x 200'	DD13382	92.09
36" x 200'	DD13386	129.54

Dyn-O-Mate Cleats



Metal Quad Cleat

For use with "J" Flange, TDC, TDF and TDX Connections • 22 Gauge Steel

SIZE	STOCK NO	EACH
6"	DD21259	.70

Duct Fabric

Neoprene

TDC/TDF Black Woven Fiberglass with Neoprene Coating. UL Classified R4462
4" Metal x 4" Fabric x 4" Metal

LENGTH	STOCK NO	EACH
100'	DD10211	841.23

TDC Corner



For use in corner insertion machines.
16 Gauge Steel • Nuts/Bolts Sold Seperately.

ITEM NO.	STOCK NO	EACH
DDCS • STACKABLE		
21245	DD21245	1.59
DOMC • NON-STACKABLE		
21254	DD21254	1.13

Dyna-Tite Cable Locks



CABLE SIZE	STOCK NO	EACH
3/16" (CL23)	DD30350	12.99
3/32" (CL12)	DD30351	5.72
1/8" (CL18)	DD30354	8.67

Dyna-Tite Cable Lock Wire Rope



SIZE	STOCK NO	EACH
3/32" x 500' (WC3)	DD30202	315.07
1/8" x 500' (WC4).	DD30204	353.35

Hollow Turning Vanes & Rails



SIZE	STOCK NO	EACH
10' Turning Vanes		
2" 26ga.	DD13203	50.32
4" 24ga.	DD13207	97.98
10' Vane Rails		
2" 22ga.	DD13300	47.31
4" 22ga.	DD13302	71.41

Duct Board and Accessories (27)

Duct Board

Made from resin-bonded fibrous glass in rigid boards, adhered to a tough, flame-retardant foil facing.

SIZE	STOCK NO	EACH
1"x48"x120'	48X120DB	215.50

Duct Liner

SIZE	STOCK NO	EACH
½"x48"x100' (R-2.4)	12DULI	769.92
1"x47"x100' (R-4.3)	1DULI	936.22
2"x47"x50' (1.5-PFC)	2DULI	879.43

Outside Wrap R-4.2

SIZE	STOCK NO	EACH
1½"x48"x100'	112DUWR	400.54

Tri-Star Duct Wrap

R-8 • 3" x 50' • ¾#

STOCK NO	EACH
350R8DUWR	374.72

(29)

"Twist-Lok" Fitting



No. 90

SIZE	STOCK NO	EACH
6"	6TWLO	15.72
8"	8TWLO	16.82

(29)

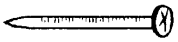
Plain Ductboard Take-off



No. 89

SIZE	STOCK NO	EACH
6"	6PLDUTAO	9.93
8"	8PLDUTAO	12.64
10"	10PLDUTAO	16.49

Spotter Pins



1000 Pack

LENGTH	STOCK NO	EACH
1¼"	SPPI	79.56

Spotter Clips



PC-1
1¼" Square—(1000 Pack)

STOCK NO	EACH
SPCL	140.86

Self-Adhesive Hangers



With PC-1 Washers

SIZE	STOCK NO	EACH
¾"	34SEADHA	83.18
1¼"	114SEADHA	85.46

"GRIP LOC" seam



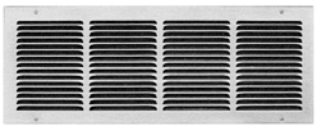
Black Excelon, Metal Fab—24 Gauge Galv.
3" Metal, 3" Fabric, 3" Metal

DESCRIPTION	STOCK NO	EACH
100' Roll	MBX4100	590.49

"GUARD LOC" seam

Black Excelon, Junior Connector—28 Gauge
1¾" Metal, 3" Fabric, 1¾" Metal

DESCRIPTION	STOCK NO	EACH
100' Roll	JBX100	457.00
Cut-to-Measure		
Per Foot	FTJBX	4.23



Return Air Grille

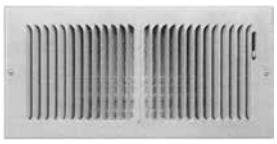
1050 Series - Soft White
½" spacing dual angular louvers.
Vision-proof louvers when installed
in high or low sidewall positions.

SIZE	STOCK NO	EACH
8x4"	SH105084	14.23
8x8"	SH105088	18.32
10x6"	SH1050106	8.92
10x8"	SH1050108	22.09
10x10"	SH10501010	27.80
12x4"	SH1050124	22.57
12x6"	SH1050126	9.57
12x8"	SH1050128	23.98
12x10"	SH10501210	31.10
12x12"	SH10501212	34.22
14x6"	SH1050146	7.71
14x8"	SH1050148	12.30
14x10"	SH10501410	34.22
14x12"	SH10501412	37.29
14x14"	SH10501414	21.90
16x8"	SH1050168	27.80
16x10"	SH10501610	37.34
16x16"	SH10501616	50.80
18x18"	SH10501818	62.18
20x8"	SH1050208	32.55
20x20"	SH10502020	85.93
24x6"	SH1050246	19.62
24x8"	SH1050248	24.14
24x12"	SH10502412	54.11
24x14"	SH10502414	62.90
24X16"	SH10502416	71.43
24x24"	SH10502424	108.00
30x6"	SH1050306	18.05
30x8"	SH1050308	24.44
30x10"	SH10503010	63.63

Return Air Grille

1033 Series - Soft White
⅓" spacing dual angular louvers.
Vision-proof louvers when installed
in high or low sidewall positions.

SIZE	STOCK NO	EACH
14x6"	SH1033146	9.23
30x6"	SH1033306	22.36



850 Series

Stamped 2-Way Diffuser
850 Series - Soft White
½" Fan-shaped louvers. Heavy construction.
Foam gasket. Steel Multi-shutter damper

SIZE	STOCK NO	EACH
8x4"	SH850084	14.40
8x8"	SH850088	34.38
10x4"	SH850104	11.43
10x6"	SH850106	12.33
12x4"	SH850124	12.54
12x6"	SH850126	13.30
12x8"	SH850128	32.63
14x6"	SH850146	16.51
14x8"	SH850148	23.40
16x8"	SH850168	47.24



3-Way Diffuser

845 Series - Soft White
For ceiling or sidewall applications.

SIZE	STOCK NO	EACH
10x6"	SH845106	25.49
12x6"	SH845126	28.13



Perimeter Floor Diffuser

350 Series
Multi-degree louvers. Positive volume balance tab.
Heavy gauge cold-rolled steel.

SIZE	STOCK NO	EACH
White		
2x10"	SH350210W	10.83
2X12"	SH350212W	10.25
2x14"	SH350214W	14.89
4X8"	SH35048W	25.39
4X10"	SH350410W	13.03
4x12"	SH325412W	12.49
4x14"	SH350414W	29.73
Tan		
2x10"	SH350210T	10.83
2x12"	SH350212T	10.25
2x14"	SH350214T	14.89
4X8"	SH35048T	25.39
4x10"	SH350410T	13.03
4x12"	SH325412B	12.49
4x14"	SH350414T	29.73
Bronze		
2x12"	SH350212BRONZE	18.31
4x10"	SH350410BRONZE	21.40
4x12"	SH350412BRONZE	24.73



Baseboard Diffuser

875 Series - White & Tan.
Lever operated multi-shutter damper.
3" deep x 5½" high.

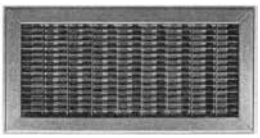
SIZE	STOCK NO	EACH
White		
15"	SH87515W	35.36
18"	SH87518W	26.73
24"	SH87524W	66.43
Tan		
15"	SH87515T	35.36
18"	SH87518T	26.73



955 Series

Adjustable Blade Baseboard
Soft White • Tamper Proof Screws.

SIZE	STOCK NO	EACH
14x6"	SH955146	107.89



Floor Grille

1600 Series - Driftwood Tan
Honeycomb construction.

SIZE	STOCK NO	EACH
6x10"	SH1600610	52.12
6x12"	SH1600612	57.47
6x14"	SH1600614	62.76
6x24"	SH1600624	89.38
6x30"	SH1600630	105.34
8x12"	SH1600812	68.07
8x14"	SH1600814	75.18
8x24"	SH1600824	110.65
10x12"	SH16001012	78.73
12x14"	SH16001214	99.99



Toe Space Grille

TS Series
heavy duty cold roll steel construction.

SIZE	STOCK NO	EACH
White		
2x12"	SHTS212W	10.68
Tan		
2x12"	SHTS212	10.68
2x14"	SHTS214	15.61
4x12"	SHTS412	17.64
Bronze		
2x12"	SHTS212BRONZE	17.93



Baseboard Return Air Grille

1150 Series - White & Tan - ½" Spacing

SIZE	STOCK NO	EACH
White		
12x6"	SH1150126W	16.31
14x6"	SH1150146W	15.27
14x8"	SH1150148W	17.64
24x6"	SH1150246W	19.98
24x8"	SH1150248W	25.64
30x6"	SH1150306W	22.11
30x8"	SH1150308W	31.97
Tan		
14x6"	SH1150146T	16.52
14x8"	SH1150148T	17.64
24x6"	SH1150246T	29.77
30x6"	SH1150306T	23.98
30x8"	SH1150308T	33.89



Baseboard Grille

1165 Series - Soft White

SIZE	STOCK NO	EACH
14x6"	SH1165146	86.59
30x6"	SH1165306	97.43



Baseboard Return Air Grille

1133 Series - White & Tan - ⅓" Spacing

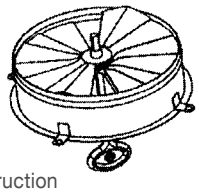
SIZE	STOCK NO	EACH
White		
14x6"	SH1133V146W	16.39
30x6"	SH1133V306W	28.27
Tan		
14x6"	SH1133V146B	18.50



Step Down Round Diffuser

- 90 Series - Soft White
- All steel construction
- Foam gasket ensures tight air seal

SIZE	STOCK NO	EACH
6"	SH906	20.52
8"	SH908	24.35
10"	SH9010	46.18
12"	SH9012	61.45



Bow-Tie Damper Assembly

- 91 Series
- All steel galvaneal construction
- Nylon rack and pinion gears
- Knob adjustment

SIZE	STOCK NO	EACH
6"	SH916	31.85
8"	SH918	39.34
10"	SH9110	66.96
12"	SH9112	83.66



USR34 Universal Spiral Grille

- Double deflection adjustable blade grille
- Allows for 4-way airflow adjustment
- Galvanized steel construction
- High quality foam gasketing for tight seal

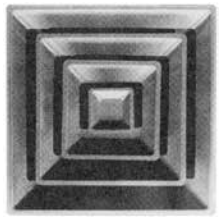
SIZE	STOCK NO	EACH
16 x 3"	SHUSR34FS163	128.56
16 x 6"	SHUSR34FS166	148.15
20 x 6"	SHUSR34FS206	157.41
24 x 6"	SHUSR34FS246	178.42



(02)

Malco White Register Screws

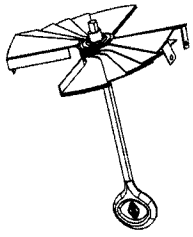
PACK QTY.	STOCK NO	EACH
50 Pack	HW8X112ZW	11.27



T-Bar High Volume Diffuser

FTD Series - Soft White
Fixed Louver T-Bar Diffuser.

SIZE	STOCK NO	EACH
6"	SHFTD6	83.51
8"	SHFTD8	83.51
10"	SHFTD10	83.51
12"	SHFTD12	83.51
14"	SHFTD14	83.51



Bow-Tie Damper

BTD Series
Field installation butterfly damper, Mill finish.
FOR USE WITH FTD SERIES ONLY.

SIZE	STOCK NO	EACH
6"	SHBTD6	30.52
8"	SHBTD8	31.75
10"	SHBTD10	34.36
12"	SHBTD12	38.18
14"	SHBTD14	42.86



600FG - Aluminum Lattice Filter Grille

- ½" x ½" x ½" Aluminum lattice
- Hinged removable extruded aluminum face frame with signature line marks
- Hinges parallel to longest side
- Face set in an outer aluminum filter grille frame
- Hand operated lever for easy filter access
- 4-way reversible door on square sizes
- 2-way reversible door on rectangular sizes
- Concealed mounting holes with screws

SIZE	STOCK NO	EACH
2' x 2' Soft White	SH600TFG	285.67



600T - Aluminum Lattice Return Air Grille T-Bar with Frame

- ½" x ½" x ½" Aluminum lattice T-Bar lay-in return air grille
- Extruded aluminum frame with signature line marks
- Lattice material 90% free area
- Square collar designed for 22" x 22" duct
- Rust resistant pre-coat; durable powder finish

SIZE	STOCK NO	EACH
1' x 2' Soft White	SH600T1X2	64.08
2' x 2' Soft White	SH600T2X2	115.44



Perforated T-Bar Fiberglass Back Diffuser

111 Series
2' x 2' - 22ga. steel perforated face.

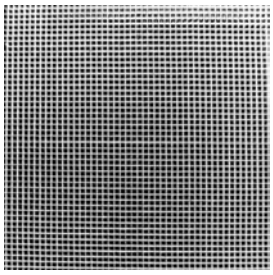
SIZE	STOCK NO	EACH
2' x 2'	SH111	76.19



Filter Grille

FG2 Series - Soft White
For 1 or 2" thick standard filter (not included).
Removable face. Hinged on long side.

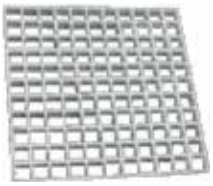
SIZE	STOCK NO	EACH
20x14"	SHFG2014	96.47
20x16"	SHFG2016	105.29
20x20"	SHFG2020	124.16
25x14"	SHFG2514	112.17
25x16"	SHFG2516	124.16
25x20"	SHFG2520	149.94



T-Bar Aluminum Lattice

AL Series - Soft White
½x½x½" aluminum lattice only return air T-Bar lay-in grille

SIZE	STOCK NO	EACH
12x24"	SHAL1224E	32.72
24x24"	SHAL2424E	60.84



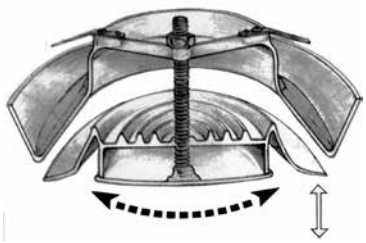
(27)

Bramec Egg Crate Louvers

White Polystyrene - ½" Open Cell Grid

DESCRIPTION	STOCK NO	EACH
⅜" thick 2'x4'	2X4EGCR	35.59
½" thick 2'x2'	2X2EGCR	31.02

Easy Air Grilles & Fittings(27)



Ceiling and Wall Diffuser

- Molded round plastic grille.
- Non-sweating - paintable - match any ceiling
- Fully adjustable for room to room "balancing"
- Superior, quiet air distribution.
- Save time on installation, no special tools required
- Can be used for supply and exhaust air
- Available to fit 4", 5", 6", & 8" round duct
- White

SIZE	STOCK NO	EACH
4"	4EAGR	7.72
5"	5EAGR	7.37
6"	6EAGR	13.10
8"	8EAGR	16.84

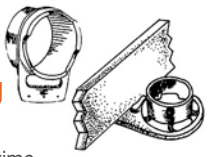
Terminator Collar



- Quick and easy installation with no sharp edges
- Can be used for ceiling or wall terminations
- Perforated mounting flanges for screws or nails
- Preset for ½" and ⅝" drywall
- 90° back-stop for a level, uniform installation
- Off-set from joist for easy install of ducting and clearance for application of tape or sealer
- Duct-Stop-Point ensures no screws penetrate the collar and impede insertion of the grille
- A rigid bottom flange guarantees the drywall router tool conforms to the circular opening
- Bottom flange for a permanent air seal
- V-shaped indentations on bottom edge for centering with previously installed fixtures

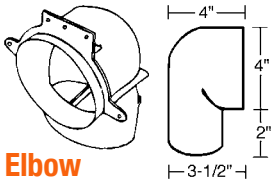
SIZE	STOCK NO	EACH
4"	4EATM	21.74
5"	5EATM	21.74
6"	6EATM	21.74

Quick Mount Fitting



- All white plastic design
- Will not rust or sweat
- Simple to install - saves time
- Can be used for ceiling or wall applications
- Easy air grille pushes into quick mount
- White

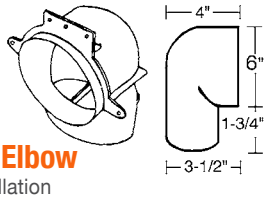
SIZE	STOCK NO	EACH
6"	6EAQMF	13.49



4" Stack Head Elbow

- Ideal for wall installation
- Fits neatly in 2 x 4 walls
- Quick rough-in, easy to secure in place
- Good airflow - no leaks
- Adapts to 4" Easy Air grille
- White plastic

SIZE	STOCK NO	EACH
4"	4EAWF	8.99



6" Stack Head Elbow

- Ideal for wall installation
- Fits neatly in 2 x 4 walls
- Quick rough-in, easy to secure in place
- Good airflow - no leaks
- Adapts to 6" Easy Air grille
- White plastic

Fits 6" oval pipe

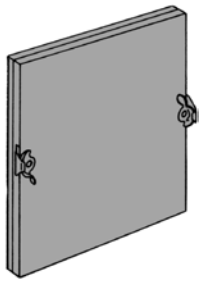
SIZE	STOCK NO	EACH
6"	6EAWF	17.24



Ceiling/Wall Fitting

- Installation through sheet rock or ceiling tile
- Fits neatly in 2 x 4 walls
- Quick rough-in-easy to secure in place
- Good airflow - no leaks
- Adapts to 4" Easy Air grille
- White plastic

SIZE	STOCK NO	EACH
6"	6EACWF	8.99



(27)

Insulated Duct Access Doors

- 1" fiberglass installatio
- 24 gauge galvanized steel door panel
- 24 gauge galvanized steel frame
- Pre-formed galvanized steel tabs

Model ADC-D with cam latches

SIZE	STOCK NO	EACH
6x6"	ADCD6X6	17.55
8x8"	ADCD8X8	18.94
10x10"	ADCD10X10	22.61
12x12"	ADCD12X12	24.93
14x14"	ADCD14X14	30.24
16x16"	ADCD16X16	32.54
18x18"	ADCD18X18	41.09
20x20"	ADCD20X20	54.95
24x24"	ADCD24X24	57.47

EWC Motorized Dampers

- Heavy Duty Frame
- Nylon Bushings for Quieter Operation
- LED's to Show Damper Operation
- Low Leakage
- Simple 3-wire Hook-up
- Avalable in 8x6" thru 30x30"



ND Side Mount Damper

Vertical blades

SIZE WXH	STOCK NO	EACH
10x8"	10X8SND	267.89
12x8"	12X8SND	274.87
14x8"	14X8SND	279.06
16x8"	16X8SND	282.54
18x8"	18X8SND	286.04
20x8"	20X8SND	293.00
22x8"	22X8SND	297.89
24x8"	24X8SND	303.47
14x10"	14X10SND	294.41
20x10"	20X10SND	316.04
20x12"	20X12SND	320.22
20x14"	20X14SND	325.80
20x16"	20X16SND	341.85
20x18"	20X18SND	354.40



ND Bottom Mount Damper

Horizontal blades

SIZE	STOCK NO	EACH
8x10"	8X10BND	277.65
8x12"	8X12BND	281.15
8x14"	8X14BND	285.34
8x16"	8X16BND	288.82
8x18"	8X18BND	293.00
8x20"	8X20BND	301.37
8x22"	8X22BND	306.26
8x24"	8X24BND	313.94
10x16"	10X16BND	307.67
10x14"	10X14BND	301.37
10x20"	10X20BND	326.50
12x14"	12X14BND	314.63
12x16"	12X16BND	318.13
12x18"	12X18BND	327.89

ND Bottom or Side Mount Damper

SIZE	STOCK NO	EACH
8x8"	8X8ND	265.80
10x10"	10X10ND	269.28
12x12"	12X12ND	294.41
14x14"	14X14ND	308.35
16x16"	16X16ND	327.89
20x20"	20X20ND	367.66

Motor Replacement Kit

Fits all dampers.

STOCK NO	EACH
MRK	145.11

Outdoor Air Sensor

Adjustable setting between 7° - 42°

STOCK NO.	EACH
OAS	48.83



Model URD

Round Damper

SIZE	STOCK NO	EACH
6"	URD6	205.81
8"	URD8	210.68
10"	URD10	216.27
12"	URD12	225.34



Model PRD-RD/CLBD Round Pressure Regulating Damper

Single blade, round variation of a barometric relief damper. Resistance is controlled by offsetting the arm and adjustment weights. The arm can be inserted into either side for added versatility.

CLBD - adjusts to .3"WV to .8"WC with set screw

SIZE	STOCK NO	EACH
8"	CLBD8	159.76
10"	CLBD10	167.43
12"	CLBD12	176.50



Model PRD Bypass Pressure Regulating

Single blade, steel, barometric damper with a counter balance weighted arm. The PRD provides an economical solution for bypassing excess air when zone dampers close.

SIZE	STOCK NO	EACH
20 x 10"	PRD20X10	179.29



Model SID Retro-Fit Damper

With MA-ND5 Motor Actuator

DUCT SIZE	STOCK NO	EACH
6"	SID6	163.24
8"	SID8	177.90



NCM-300 Control Panel

- Maximum of 3 zones
- Up to 2 stages of heating and 1 stage of cooling
- SAS sensor included for high and low temperature limit protection control

ZONES	STOCK NO	EACH
2-3	NCM300	291.61



BMPLUS Control Panel

- Maximum of 5 zones.
- Up to 3 stages of heating and 2 stage of cooling
- Heat pump (dual fuel kit built in)
- SAS sensor included for high and low temperature limit protection control

ZONES	STOCK NO	EACH
3	BMPLUS3000	339.05
5	BMPLUS5000	463.24



Ultra-Talk Control Panel

NOT Compatible with RUUD Econet Systems

- Maximum of 3 zones.
- Up to 2 stages of heating and 1 stage of cooling
- System auto-configures itself
- Compatible with RUUD
- Communicating Thermostats
- SAS sensor included for high and low temperature limit protection control

Communicating Zone System

ZONES	STOCK NO	EACH
3	UT3000	675.31



UZC-4 Control Panel

- Maximum of 4 zones
- Up to 4 stages of heating and 2 stage of cooling
- Works with Multistage Thermostat
- SAS sensor included for high and low temperature limit control

STOCK NO	EACH
UZC4	670.44

Up to 16 Zone options available for custom orders

Honeywell Home

resideo.com



(31)

Honeywell Wireless TrueZONE Kit

Includes Wireless FocusPRO Thermostat and Wireless Adapter

STOCK NO	EACH
Non-Programable	
YTH5320R1025	349.12
5-1-1 or 5-2 Day Programable	
YTH6320R1023	359.73
Wireless Adapter ONLY	
THM4000R1000	117.07



Honeywell TrueZONE Round Bypass Zone Damper

SIZE	STOCK NO	EACH
8"	CPRD8	215.47
10"	CPRD10	224.13
12"	CPRD12	229.27



(31)

Honeywell TrueZONE Panels

with Transformer & C7735A Sensor

STOCK NO	EACH
3-Zone 1H/1C	
HZ311K	313.00
3-Zone 2H/2C	
HZ322K	408.60
4-Zone 3H/2C Dual Fuel compatible with an outdoor sensor added	
HZ432K	729.24



Heavy Duty, Professional Grade Co-Extruded Cloth Duct Tape

- Made using Polybonded CO-EX Technology
- Excellent holding power (High tack)
- Easy to unwind and tear
- Withstands extreme temperature fluctuations
- Waterproof backing
- Applicable Standards: FSI 15/SDI 40; UL 723

No. PC 657

SIZE	COLOR	STOCK NO	EACH
2" x 60 yd	Silver	2DUTA657	25.68
2" x 60 yd	Black	2BLDUTA657	25.68
2" x 60 yd	White	2WHDUTA657	25.68



Cold Temperature Aluminum Foil Tape

- Excellent shelf life and indefinite product life after application
- Lined with paper release liner
- Superior stability during extreme fluctuations in temperature
- Resists water vapor, odor and smoke transmissions
- Applicable Standards: FSI 0/SDI 0; UL 723

No. AF 914CT & AF 975CT

SIZE	MIL	STOCK NO	EACH
2" x 50 yd	1.5	2ADUTA	17.02
3" x 50 yd	2	3ADUTA	23.68



Cold Temperature Foil/Scrim/Kraft Tape

- Maximum-strength acrylic adhesive
- Lined with paper release liner
- Superior stability during extreme fluctuations in temperatures
- Wrinkle-free backing resists tearing
- Resists water vapor and smoke transmission
- Applicable Standards: FSI 5/SDI 0; UL 723

No. AF 984CT

SIZE	STOCK NO	EACH
3" x 50 yd	3FSKADUTA	24.19



UL 181 A-P/B-FX Lister/Printed Aluminum Foil Tape

- Lined, 2 mil, dead-soft aluminim foil
- Excellent adhesion to rigid fiberglass ductboard and flexible air duct
- Flexible and easy to use to create airtight bonds
- Superior stability during extreme fluctuations in temperature
- Applicable Standards: UL 181A-P; UL 181B-FX; UL Listed; FSI 25/SDI 50; UL 723

No. AF 100 & AF 099

SIZE	STOCK NO	EACH
2½" x 60 yd	212AF099DUTA	27.58
EasyPEEL™ split liner		
2½" x 60 yd	212AF100EPDUTA	23.83



HVAC UL 181B-FX Listed Printed Cloth Duct Tape

- Resistant to flame spread, smoke generation, mold growth, humidity and the effects of high temperatures
- High holding power, superior shear strength, and easy to tear
- Applicable Standards: UL 181B-FX; UL Listed; FSI 15/SDI 30; UL 723

No. PC 857

SIZE	COLOR	STOCK NO	EACH
2" x 60 yd.	Silver	2FDUTA	27.15
3" x 60 yd.	Silver	3FDUTA	38.04



UL 181B-FX Listed Printed Film Tape

- Quick stick, High-tack, cold temperature acrylic
- Excellent conformability to uneven surfaces
- Easy to unwind and tear
- Color matches foil backed flex duct
- Applicable Standards: UL 181B-FX; UL Listed; FSI 25/SDI 50; UL 723

No. DC 181

SIZE	COLOR	STOCK NO	EACH
2" x 120 yd	Metallic	2ADUTA181	19.16
3" x 120 yd	Metallic	3ADUTA181	28.80



SPVC Line Set Tape

- UV-resistant, SPVC natural rubber adhesive
- Can be used in extensive temperature, moisture and humid conditions
- Meets OSHA color-coding requirements
- Standards: CID A-A-1689B, Type 1, Class 2

No. VP 410

SIZE	COLOR	STOCK NO	EACH
2" x 36 yd	White	2WLSTA	6.72
2" x 60 yd	Black	2BLSTA	11.25



UL 181B-FX Listed/Printed Shurmastic® Butyl Foil Tape

- Lined, non-flammable, butyl rubber
- Instant, water-resistant grip to most surfaces
- Paintable and recommended for aluminum
- Contains no asbestos, CFCs or PCBs
- Applicable Standards: UL 181B-FX; UL Listed; Pressure Classes SMACNA 1/2, 1, 2, 3, 4 & 6; Seal Classes A, B, C; UL 723

No. SF 686

SIZE	STOCK NO	EACH
2"x 100 ft	2SFDUTA	42.04
3"x 100 ft	3SFDUTA	61.61



WIT Adhesive

- Water based adhesive for bonding insulation material to sheet metal
- Designed for use with spray equipment
- Good wet track
- Non-flammable when wet

Stir water adhesives well before use

SIZE	STOCK NO	EACH
1 Gallon	GAWITAD	80.58



ASA-WFTC Insulation Adhesive

Duro Dyne ASA-WFTC is a fast tacking, quick bonding solvent base aerosol spray duct liner adhesive. It may be used for bonding low and high density duct liner or wrap to the interior or exterior of metal ductwork.
ASA-WFTC bonds rubber, fiberglass, plastic, and other types of insulation to steel.
ASA-WFTC is non-flammable.

SIZE	STOCK NO	EACH
Aerosol Spray	ASAW	25.75

K-Flex Tape (24)
rectorseal.com



Foam Insulation Tape

Foam Tape-a NBR/PVC-based, closed cell, elastomeric tape with a factory-applied pressure sensitive adhesive that forms a long-lasting bond. It's perfect for short pipe runs or where tubing insulation is impractical to cover, such as covering fittings or valves.

SIZE	STOCK NO	EACH
2" x ⅛" x 30'	RE83041	18.90



Cork Tape

Cork Tape-a 55-percent cork-filled, rubber-based insulating tape with a grainy, rubber-like consistency; ideal for covering fittings & valves

SIZE	STOCK NO	EACH
2" x ⅛" x 30'	RE83040	37.73



Pipe wrap tape see page 1929

Wi-Fi Thermostats

Wi-Fi 9000 Color Thermostat



High-definition Touch Screen Display.
Remote access through a computer, tablet or smart phone with Total Connect Comfrot Service.
7 Day Programmable or Non-Programmable

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
TH9320WF5003	3H/2C	2H/2C	350.80

Wi-Fi VisionPro 8000 Thermostat



Remote access through a computer, tablet or smart phone with Total Connect Comfrot Service.
7 Day Programmable or Non-Programmable

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
TH8321WF1001	3H/2C	2H/2C	363.14

Lyric T6 Pro Wi-Fi Thermostats



Wired in/outdoor sensors. Includes Ventalation Control.
Geofencing, 7-day, 5-2, 5-1-1 or non-programmable.
Optional dual fuel (TH6320WF ONLY)

STOCK NO	HEAT PUMP	CONVENTIONAL	VENTILATION	EACH
TH6220WF2006	2H/1C	2H/2C	No	221.89
TH6320WF2003	3H/2C	2H/2C	Yes	298.71

D6 Pro Wi-Fi Ductless Thermostat



Compatible with most major mini-split brands and models. Infrared range to ductless unit in line of sight is 30 ft. USB cable or wall plug included (120 volt).
7 day, 5-2 day, or 1-week programs, non-programmable, or GeoFence with sleep periods all through Lyric App.

STOCK NO	EACH
DC6000WF1001	209.42

Lyric Accessories

Lyric C1 Wi-Fi Security Camera



Introducing the Lyric™ Wi-Fi Security Cameras. Versatile and easy to install indoors, the cameras notifies you on your smartphone or tablet if it detects unusual movement or sounds. You can set up one or many cameras to watch over your home, within the Lyric app.

- Intelligent Sound Detection
- High Definition Wide Angle View
- Adjustable Alert Zones
- Cloud and SD Storage
- Night Vision
- Two-way Talk

STOCK NO	EACH
CHC8080W1000	173.21

Honeywell Home from resideo

T-Series Thermostats

T3 Pro



Battery or Hardwired.
UWP wall plate and small cover plate included.
Heat or Cool Only, Non-programmable

STOCK NO	HEAT PUMP	CONVENTIONAL	IN/OUT SENSOR	EACH
TH3110U2008	1H/1C	1H/1C	No	46.85

T10+ Pro Smart with RedLINK Sensor



Hardwired, with Wi-Fi, Humidity and Ventilation controls.
Room Occupancy Detection (Up to 200ft.)
Whole Home Contol or Intelligent Room Control

STOCK NO	HEAT PUMP	CONVENTIONAL	IN/OUT SENSOR	EACH
THX321WFS3001W	3H/2C	2H/2C	Yes	414.64

RedLINK Wireless Sensor 2-Pack



STOCK NO	EACH
C7189R20022	153.81

T4 Pro



Battery or Hardwired.
7 day, 5-1-1 day, 5-2 day, or Non-programmable

STOCK NO	HEAT PUMP	CONVENTIONAL	IN/OUT SENSOR	EACH
TH4110U2005	1H/1C	1H/1C	No	83.34

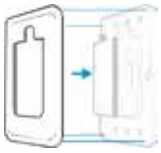
T6 Pro



Battery or C-wire.
7-day, 5-2 or non-programmable

STOCK NO	HEAT PUMP	CONVENTIONAL	IN/OUT SENSOR	EACH
TH6210U2001	2H/1C	1H/1C	No	118.89
TH6220U2000	2H/1C	2H/2C	Yes	160.52
TH6320U2008	3H/2C	2H/2C	Yes	181.33

T-Series Cover Plate



For use with T4 Pro, T6 Pro, T6 Pro Slab, and Lyric T6 Pro Thermostats

STOCK NO	EACH
THP2400A1068	17.32

Floor Thermostats

T6 Pro Slab Thermostat



Room and floor thermostat Main.
Includes 15' Slab Sensor
7-day, 5-2, 5-1-1 or non-Programmable

STOCK NO	EACH
TH6100AF2004	180.75

Wireless Thermostats (31)

resideo.com

FocusPRO Series



FocusPRO RedLINK System Kit

Includes Thermostat, Equipment Interface Module & Return Air Sensor.

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
FocusPRO 5000 • Non-Programmable			
YTH5320R1000	*3H/2C*	*2H/2C*	*465.02*
FocusPRO 6000 • 5-1-1 or 5-2 Day Programmable			
YTH6320R1001	*3H/2C*	*2H/2C*	*486.30*



FocusPRO RedLINK Thermostats

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
FocusPRO 5000 • Non-Programmable			
TH5320R1002	*3H/2C*	*2H/2C*	*276.83*
FocusPRO 6000 • 5-1-1 or 5-2 Day Programmable			
TH6320R1004	*3H/2C*	*2H/2C*	*294.26*

NOTE:
Wireless TrueZONE thermostat Kit please see page 827

Wireless Remotes

Portable Comfort Control

Acts as Portable Thermostat for use with RedLINK devices



STOCK NO	EACH
REM5000R1001	*208.47*

Wireless Vent & Filter Boost

Wireless Ventilation Timer



STOCK NO	EACH
HVC20A1000	*65.22*

Wireless Entry/Exit Remote

RedLINK™ One-Touch Temperature Control



STOCK NO	EACH
REM1000R1003	*74.10*

VisionPRO Series



VisionPro 8000 Kit

With TH8321R1001 & RedLINK™ Internet Gateway

7 Day Programmable or Non-Programmable

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
YTH8321R1002	*3H/2C**	*2H/2C**	*449.46*

***Interface Module THM5421R1021 for more stages**



VisionPRO 8000 Thermostats

Touchscreen with RedLINK technology

7 Day Programmable or Non-Programmable

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
TH8110R1008	*1H/1C**	*1H/1C**	*320.84*
TH8321R1001	*3H/2C**	*2H/2C**	*392.47*

***Interface Module THM5421R1021 for more stages**



Cover Plates

MODEL	STOCK NO	EACH
VisionPRO 8000	*32003796001*	*23.87*
FocusPRO 5000 & 6000	*50007298001*	*95.88*



Thermostat Sensors

STOCK NO	EACH
Outdoor Sensor	
C7089U1006	*53.60*
Indoor Sensor	
C7189U1005	*61.94*

Honeywell Home from resideo

REDLINK Wireless Technology

Prestige Series



Prestige 2-Wire IAQ Thermostat Kit

THX9421R5021WW Thermostat, Interface Module, RedLink Internet Gateway, & (2) Duct Sensors.

7 Day Programmable or Non-Programmable

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
YTHX9421R5127WW	*4H/2C*	*3H/2C*	*614.63*



Prestige 2-Wire IAQ Thermostat Kit

THX9421R5021WW Thermostat, Interface Module, Wireless Outdoor Sensor, & (2) Duct Sensors.

7 Day Programmable or Non-Programmable

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
YTHX9421R5101WW	*4H/2C*	*3H/2C*	*692.12*



Prestige 2-Wire IAQ Thermostat Kit

THX9421R5021WW Thermostat, Interface Module, & (2) Duct Sensors.

7 Day Programmable or Non-Programmable

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
YTHX9421R5085WW	*4H/2C*	*3H/2C*	*587.66*



Prestige 2-Wire IAQ Thermostat

Touchscreen with RedLINK technology

7 Day Programmable or Non-Programmable

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
THX9421R5021WW	*4H/2C*	*3H/2C*	*524.92*

RedLINK Accessories

Return Air Sensor

Mounts on Return Air for Back-up Control of non-zoned RedLink enabled thermostats.

STOCK NO	EACH
C7735A1000	111.94

FocusPRO Interface Module

Relocate thermostat or upgrade equipment without running new wires using this module and a wireless FocusPRO® thermostat

STOCK NO	EACH
THM5320R1000	265.48

RedLINK™ Internet Gateway

Internet Gateway connects RedLINK wireless thermostats to the the Internet to provide remote control of RedLINK thermostats and accessories.

STOCK NO	EACH
THM6000R7001	136.92

Wireless Adapter

Use with RedLINK enabled thermostats and TrueZONE system (page 825)

STOCK NO	EACH
THM4000R1000	117.07

RedLINK™ Remote Module

Eliminates wiring to thermostat

STOCK NO	EACH
ERM5220R1018	237.01

WireSaver

The K terminal on the thermostat can be used to operate both the fan/compressor on a single wire.
For Wi-Fi thermostats with needed common wire

STOCK NO	EACH
THP9045A1023	28.35

Wireless Outdoor Sensor

Senses Outdoor Temperature & Humidity

STOCK NO	EACH
C7089R1013	119.31

Wireless Indoor Sensor

Senses Indoor Temperature & Humidity

STOCK NO	EACH
C7189R1004	88.44

Interface Modules

Used with Prestige & VisionPRO
Upgrades up to 4 Heat / 2 Cool Heat Pump or Up to 3 Heat / 2 Cool Conventional

STOCK NO	EACH
THM5421R1021	141.70
Includes 2 Duct Sensors	
YTHM5421R1010	158.79

Pro Series

E1 PRO Digital Thermostats

Non-Programmable. Battery or Hardwire.

DESCRIPTION	STOCK NO	EACH
1 Heat & 1 Cool	TH1110E1000	39.07

PRO 1000 Digital Thermostats

Non-Programmable. Battery or Hardwire.

DESCRIPTION	STOCK NO	EACH
Heat ONLY 35-85°F	TH1100DV1000	52.99
Heat & Cool	TH1110DV1009	54.11

FocusPro Series

FocusPRO N100 Thermostats
NEW ITEM

Hardwire or battery
Temp. range 32° to 99°

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
Non-Programmable			
TH1110U4000	1H/1C	1H/1C	39.06
Non-Programmable			
TH1320U4002	3H/2C	2H/2C	76.17

FocusPRO P200 Thermostats
NEW ITEM

Hardwire or battery

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
Programmable 5-1-1 Day, 5-2 Day, 7 Day, or 1 Week			
TH2110U4004	1H/1C	1H/1C	56.63
Programmable 5-1-1 Day, 5-2 Day, 7 Day, or 1 Week			
TH2320U4006	3H/2C	2H/2C	89.86

FocusPRO S200 Smart Thermostats
NEW ITEM

Hardwire, C-wire Required WiFi, 2.4 or 5 GHz

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
Programmable 5-1-1 Day, 5-2 Day, 7 Day, or 1 Week			
TH2110WF4008	1H/1C	1H/1C	107.42
Programmable 5-1-1 Day, 5-2 Day, 7 Day, or 1 Week			
TH2320WF4010	3H/2C	2H/2C	132.83

Mercury FREE

The Round® Thermostats

Electronic switch, 40° to 90°. 5-Year Warranty.

DESCRIPTION	STOCK NO	EACH
Heat ONLY	T87K1007	71.52
Heat & Cool	T87N1000	104.67

Easy-To-See Thermostat

Raised and enlarged 5, 6, 7, and 8 represent 50, 60, 70 and 80°F, reading & setting ease for 24 Vac.

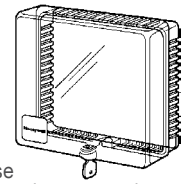
DESCRIPTION	STOCK NO	EACH
Heat & Cool	T87N1026	131.00

Garage Thermostat

Single Stage • 35° - 85° Range

DESCRIPTION	STOCK NO	EACH
Heat ONLY	T822K1042	64.50

Subbases

Universal Thermostat Guard

This therostats guards enclose and protect wall thermostats against tampering, damage and unauthorized thermostat adjustments

SIZE	STOCK NO	EACH
Medium	TG511A1000	47.63

Honeywell Home from resideo

Line Voltage Thermostats

Winter Watchman

Used as a freeze warning device. Plug in household lamp to bottom of receptacle. On temperature fall circut completes to lamp indicating inoperative heating equipment.

STOCK NO	EACH
S483B1002	67.88



Honeywell Home from resideo

PRO Thermostats

Pro1 T751i Universal Wi-Fi Thermostat

NEW ITEM

Programmable Through App, Hardwire Only.

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
T751I	4H/2C	2H/2C	173.00



Pro1 T755WHO Wireless Universal Thermostat

NEW ITEM

Battery or Hardwire • 7 Day, 5/1/1 or Non-Programmable Occupancy Sensor • Humidity Control

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
T755WHO	4H/2C	2H/2C	248.89



Pro1 Wireless Remote Sensors

NEW ITEM

Accessory for the T755WHO

STOCK NO	EACH
R751WO	106.70
R250W (Outdoor)	106.70



PRO Thermostats

Pro1 T701i Wi-Fi Thermostat

Programmable Through App, Hardwire Only.

STOCK NO	CONVENTIONAL	EACH
T701I	1H/1C	137.40



Pro1 T855i Wi-Fi Thermostat

7 Day - 5/1/1 - 5/2 or Non-Programmable, Hardwire.

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
T855ISH	3H/2C	2H/2C	232.16



Pro1 800 Series Thermostats

T-805 • 7 Day - 5/1/1 Programmable, Battery or Hardwire.

STOCK NO	CONVENTIONAL	EACH
PD411064	1H/1C	129.76

T-855 • 7 Day - 5/1/1 Programmable, Battery or Hardwire.

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
PD411065	3H/2C	2H/2C	148.65



Pro1 700 Series Thermostats

T-701 • Non-Programmable, Battery or Hardwire.

STOCK NO	CONVENTIONAL	EACH
PD411060	1H/1C	61.94

T-705 • 7 Day - 5/1/1 Programmable, Battery or Hardwire.

STOCK NO	CONVENTIONAL	EACH
PD411061	1H/1C	72.01

T-721 • Non-Programmable, Battery or Hardwire.

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
T721	2H/1C	1H/1C	88.26

T-755 • 7 Day - 5/1/1 or Non-Programmable, Battery or Hardwire.

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
PD411085	3H/2C	2H/2C	125.86

T-755S • 7 Day - 5/1/1 or Non-Programmable, Battery or Hardwire. Remote & Outdoor Temperature Sensor Capable.

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
PD411097	3H/2C	2H/2C	157.75

T-755H • 7 Day - 5/1/1 or Non-Programmable, Battery or Hardwire. With Humidity Control.

STOCK NO	HEAT PUMP	CONVENTIONAL	EACH
PD411089	3H/2C	2H/2C	364.85

T-771 • Non-Programmable. Battery or Hardwire. Setpoint range from 25°F to 99°F, great for garages.

STOCK NO	DESCRIPTION	EACH
PD411072	1 Heat/1 Cool Only	60.63



T-701



T-705



T-755 Series



T-771

Pro1 Remote Outdoor Sensor

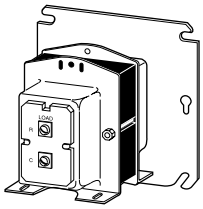
For use with T-55S (PD411097)

STOCK NO	EACH
PD411098	46.91



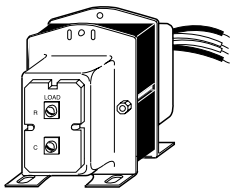
NOTE:
For T925 (411067) Heat Pump thermostat please see page 725

Transformers



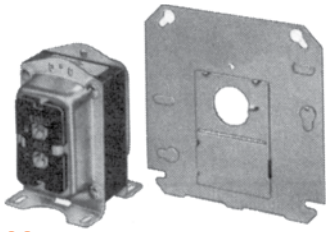
AT72D1683
Nema Standard Transformer
For 24V control circuit step-down transformer designed to power any 24V control system, including thermostats, gas valves and/or relays. 120V Primary. 40VA Cap.

STOCK NO	EACH
AT72D1683	55.81



AT87A1106
Nema Standard Transformer
Used primarily for powering 24V air conditioning circuits. Can also be used in other applications that do not exceed the listed ratings. 120/208/240 Primary. 45VA Cap.

STOCK NO	EACH
AT87A1106	74.10



AT175A1008
General Purpose Transformer
Provide power to 24 Vac circuits in heating/cooling control systems. Intended for use in systems with predictable, uniform loads. Can be used in any application that does not exceed th listed ratings. Foot-mounted, plate-mounted on 2x4" or 4x4"outlet box, clamp-mounted using outlet box knockout, or panel-mounted. Screw terminals, 120/208/240 primary voltage. 75VA output.

STOCK NO	EACH
AT175A1008	85.31



AT140A1000
General Purpose Transformer
40 VA, Universal Mount (foot, plate, clamp) 120 Vac transformer.

STOCK NO	EACH
AT140A1000	31.04



Fan and Limit Controller
125°F fan on & 100°F fan off stops, 200°F high limit and 11-½" insertion.

INSERTION	STOCK NO	EACH
11½"	L4064B2210	223.55
5"	L4064B2228	215.18

Universal Integrated Furnace Control

STOCK NO	EACH
S9200U1000	244.32

Electronic Timer

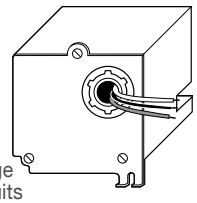
STOCK NO	EACH
ST9120U1011	274.54

Carbon Monoxide Detectors (2)
aerionics.info



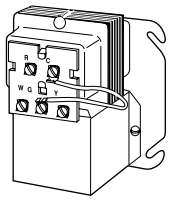
Carbon Monoxide Detector
Detector, Controller & Transducer
Low voltage, dual relay.
Selectable options include:
- Fan relay actuation: selectable at 15, 25, 35 (default), 50 or 100 ppm CO
- Output: Fan relay, Alarm relay and 4-20mA current loop
- Controls: Digital display (0-200 ppm), buzzer, fan delay, fan minimum runtime

STOCK NO	EACH
CM6	776.41



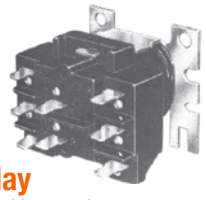
Fan Relays
Provides control of line voltage fan motors and auxiliary circuits in heating, cooling or heating-cooling system.

STOCK NO	EACH
R8225A1017	129.72



Fan Centers
Provide 24-volt control of line voltage fan motor and auxiliary circuits in heat, cool, or heat/cool systems. Step-down transformer provides low voltage power. Mounting plate replaces cover of standard 4x4" junction box.

DESCRIPTION	STOCK NO	EACH
SPDT (Plug in)	R8239A1052	98.19
DPDT	R8239B1076	138.21

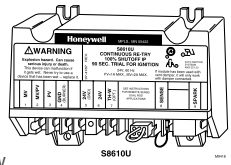


General Purpose Relay
Provides general purpose and heavy duty switching for refrigeration and air conditioning equipment, appliances, vending machines and similar applications.
Double quick-connect coil terminals.
Untaped coil assures cooler operation.
Basic designed for easy replacement of old relays.

VOLTAGE	STOCK NO	EACH
24v	R8222D1014	36.95

Honeywell Home from resideo

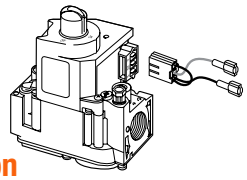
Universal Intermittent Pilot Module



Field service replacement for most Honeywell, Robert Shaw, Johnson and UTEC(HSC) intermittent pilot ignition modules. 100 percent pilot gas shut-off and lockout on loss of pilot flame. Includes remote reset and automatic vent damper plug. For use in systems with combination igniter-sensor(single rod or sense) or separate igniter and sensor (dual rod or remote sense). Natural or LP gas.

STOCK NO	EACH
S8610U3009	214.33

VR8345M Universal Electronic Ignition Combination Gas Control



For use with direct spark ignition, hot surface ignition or intermittent pilot ignition in 24 VAC, gas-fired appliances with capacities from 30 to 415 cfh. Control includes manual valve, two automatic operators, pressure regulator, pilot adjustment, pilot plug and ignition adapter. For use with natural or manufactured gas or LP gas. Includes converter kit to adapt from natural to LP gas.

STOCK NO	EACH
VR8345M4302	240.18

Honeywell Home from resideo

VR8300 Combination Gas Controls



Single Stage, Standard Opening, Standing Pilot Gas Valve ¾" x ¾" • Set 3.5" WC 30-300 CFH

STOCK NO	EACH
VR8300M4406	261.56

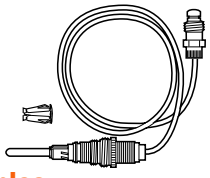
Q314A4586 Pilot Burner



Non-primary aerated, insert orifice-type pilot burner.

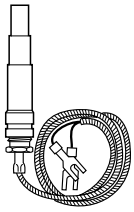
STOCK NO	EACH
Q314A4586	67.92

Honeywell Q340A Universal 30 mV Thermocouples



LENGTH	STOCK NO	EACH
18"	Q340A1066	16.34
24"	Q340A1074	17.01
30"	Q340A1082	18.02
36"	Q340A1090	18.66

Replacement "Thermopile" Generators



Provides power for a millivoltage self-powered control system. Thermopile generator, 600-750mV, 35" leads, use with Q314.

LENGTH	STOCK NO	EACH
47"	Q313A1055	115.79
35"	Q313A1139	99.32

Honeywell Glowfly™ Universal Hot Surface Igniter

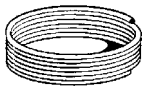


OEM quality. Three year warranty.

DESCRIPTION	STOCK NO	EACH
Single	Q3200U1004	62.95
6 Pack	Q3200U2002	362.43

(27)

Aluminum Pilot Tubing



SIZE	STOCK NO	EACH
50' Coil	14X50AL	44.42

(42)

Pilot Tubing Kit

with fittings

SIZE	STOCK NO	EACH
¼" OD x 5'	803008	21.91

(21)

181SP Nut with Breakaway Sleeve



STOCK NO	EACH
14ALN	2.74

(36)

Gas Line Labels

Roll of 250

STOCK NO	EACH
DJV5751	66.08

(21)

Motor-Mate Universal Capacitor

STOCK NO	EACH
MMUNICAP	100.47

Direct Ignition Gas Valve Replacement

24v, Single Stage. ½" x ½" Set 3.5"

OPENING	STOCK NO	EACH
Slow	VR8215T1502	144.50
Standard	VR8215S1503	144.50



325 Series Maxitrol Lever Acting Gas Appliance Pressure Regulators

- Not a line regulator
- LP gas applications
- Full lock-up Spring 4-12”
- Maxitrol tested up to 10 psi

SIZE	PRESSURE DROP .64 SP GR GAS IN CFH	STOCK NO	EACH
Vent not available			
½"	204	123253445PSI	52.56
½"	476	123255A5PSI	101.60
¾"	583	343255A5PSI	101.60
1"	673	13255A5PSI	101.60

325 Series 10 P.S.I. Specifications		
Model	Individual Load	Combined Load
325344 (½")	100 CFH	150 CFH
3255A (½")	325 CFH	325 CFH
3255A (¾")	325 CFH	325 CFH
3255A (1")	325 CFH	325 CFH



325 Series Lever Acting Design

- CSA Certified: 2 psi Max.
- Line Regulator w/Vent Limitation
- Positive Dead-End Lockup
- ANSI Z21.80/CSA 6.22 Line Pressure Regulator
- Certified Spring 7" to 11" w.c.
- Suitable for multi-positional mounting, Upright only with Vent Limiter/Protector.

MODEL	SIZE	STOCK NO	EACH
With Vent Limiter			
325-3L	⅜"	383253	54.19
	½"	123253	37.02
325-5L	½"	123255	87.93
	¾"	343255	84.36
	1"	13255	87.93
Without Vent Limiter			
325-7AL	1¼"	1143257AL	217.27
	1½"	1123257AL	217.27
325-9L	1½"	1123259L	471.61
	2"	23259L	471.61

325 Series 2 P.S.I. Specifications			
Model	Individual Load	Combined Load	For use with Vent Limiter
325-3L (⅜",½")	140 CFH	250 CFH	12A09 Included
325-5L (½")	425 CFH	500 CFH	12A39 Included
325-5L (¾",1")	425 CFH	600 CFH	12A39 Included
325-7AL (1¼", 1½")	1250 CFH	1250 CFH	12A49
325-9L (1½",2")	2250 CFH	2250 CFH	12A49
Capacity table is used to determine the maximum multiple appliance load. The largest, single appliance served by regulator should not exceed the maximum, individual load specified above.			



Lever Acting Design

- Line Regulator with OPD
- For piping systems up to 5 psi.
- Positive Dead-End Lockup
- ANSI Z21.80/CSA 6.22 Line Pressure Regulator
- Certified Spring 7" to 11" w.c.
- Suitable for multi-positional mounting

MODEL	SIZE	STOCK NO	EACH
With Vent Limiters			
325-3L48	½"	123253L48	87.22
325-5L48	½"	123255L48	144.46
	¾"	343255L48	132.84
325-5L600	¾"	343255L600	288.63
	1"	13255L600	288.63

325 Series 5 psi Specifications		
Model	Total Load	Vent Limiter
325-3L48 (½")	200 CFH	2 - 12A09 Included
325-5L48 (½")	235 CFH	12A09 & 12A39 Included
325-5L48 (¾")	320 CFH	12A09 & 12A39 Included
325-5L600 (¾")	425 CFH	12A09 & 12A39 Included
325-5L600 (1")	465 CFH	12A09 & 12A39 Included

Lever Acting Design

- Line Regulator with OPD
- For piping systems up to 5 psi.
- Positive Dead-End Lockup
- ANSI Z21.80/CSA 6.22 Line Pressure Regulator
- Certified Spring 7" to 11" w.c.
- To be mounted in a horizontal upright position only. Upright only with Vent Limiter/Protector.

MODEL	SIZE	STOCK NO	EACH
Without Vent Limiter			
325-7AL210D	1¼"	1143257L210D	800.47
	1½"	1123257L210D	800.47
325-9L210E	1½"	1123259LOPD	1839.33
	2"	23259LOPD	1839.33

325 Series 5 psi Specifications		
Model	Total Load	For use with Vent Limter
325-7AL210D (1¼)	900 CFH	12A39
325-7AL210D (1½")	900 CFH	12A49
325-9L210E (1½,2")	2250 CFH	12A49



Vent Limiters

For use with models:
325-7AL210D, 325-9L210E, 325-7AL, & 325-9L

SIZE	STOCK NO	PRICE
⅜" NPT	12A39	39.69
½" NPT	12A49	216.63

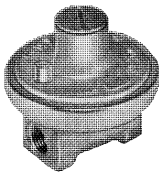


Balanced Valve Design

- 10 psi Max.
- Appliance Regulator
- Non-Lockup
- Appliance, non-lock-up standing pilot.
- Non-lock Spring 5-15”

MODEL	SIZE	STOCK NO	EACH
Vent Limiter not available			
210D	1"	1210D	652.60
	1¼"	114210D	652.60
	1½"	112210D	652.60

210D Series Specifications		
Model	PSI	Max.(4.0PD)
210D (1",1¼",1½")	10 PSI	2500 CFH
Vent not available		



Maxitrol Pressure Regulators Rubber Seat Poppet Models

For Use Under ½ P.S.I. Inlet Pressure

SIZE	PRESSURE DROP INCHES W.C.	STOCK NO	EACH
With Vent			
½"	60,000	12RV47L	39.12
½"	130,000	12RV48	48.11
¾"	150,000	34RV48	48.11

Primarily for main burner load applications Spring 3-5”

RV Series 1/2 PSI Specifications	
Model	Total Load (0.3 PD)
RV47L (½")	60 CFH
RV48 (½")	130 CFH
RV48 (¾")	150 CFH



Maxicap Regulator Weather Guard

Prevents freeze-ups, keeps vent passages free of insects and debris.

STOCK NO	PRICE
MAMC3	7.72
MAMC5	11.16



Vent Protectors

Use on vent opening to protect breather hole from rain, snow, foreign particles and insects.

Minnesota Code Requirement

SIZE	STOCK NO	EACH
⅛" NPT	13A3050	25.68
⅜" NPT	13A3150	37.53

Note: 13A30-50 is for use with 325-3, 325-3L, RV48
13A31-50 is for use with:
325-5, 325-5L, RV81, 210D



Vent Limiter

ESCAPEMENT RATE	SIZE	STOCK NO	EACH
1.55 CFH	⅛" NPT	12A04	16.19
1.0 CFH	⅛" NPT	12A09	16.69



(40)

Ritchie No 78060 Gas Pressure Test Kit

Easier to use than a manometer, this compact kit helps you accurately set manifold pressure for natural or L.P. gas.

STOCK NO	EACH
RI78060	118.44



(35)

Gas Test Gauges

Black pipe gas line test gauge.

MODEL/SIZE	PSI	STOCK NO	PRICE
TG-30-12 - ½"	0-30	12GASTEST	26.76
17714 - ½"	0-100	BR17714	18.91

Gas Pressure Regulators (341B)

fiorentini.com



Pietro Fiorentini PF400S Standard Model

ANSI Z21.80A-2012 / CSA 6.22A-2012(R2016) Class I for outlet pressures up to 14" W.C. Certified ANSI Z21.18B-2012 / CSA 6.3B-2012 (R2017) for inlet pressure up to 5 PSI certified

- Filter included in all models.
- Inlet Pressure: 1 PSIG to 2 PSIG CSA approved
- Max. Inlet 10 PSIG for non-CSA applications
- Outlet pressure: 2.5" W.C. to 14" W.C.
- Temperature range: -40°F to 150°F

SIZE	STOCK NO	EACH
With Vent Limiter		
½"	12PF400SVLF	49.61

CAPACITY FOR MULTY-APPLIANCE SERVICE (SCF/H)				
Outlet Pressure Set Point		Inlet 3 PSI	Inlet 5 PSI	Inlet 10 PSI
PF400 1/2"	2.5" W.C.	350	400	400
	7" W.C.	350	400	400
	10" W.C.	350	400	400
	14" W.C.	350	400	400



Pietro Fiorentini Governor Standard Model

ANSI Z21.80A-2012 / CSA 6.22A-2012(R2016) Class I for outlet pressures up to 14" W.C. Certified

- Inlet and Outlet test ports 500 to 1 Turndown
- Filter included in all models
- Inlet Pressure: 3" W.C. to 2 PSIG CSA approved
- Max. Inlet 7.25 PSIG for non-CSA applications
- Outlet pressure: 2" W.C. to 14" W.C. and up to 4.25 PSIG
- for non-CSA applications
- Temperature range: -40°F to 150°F

SIZE	STOCK NO	EACH
With Vent Limiter		
½"	12F310511BS	76.44
¾"	34F310522BS	109.86

Capacity in cfh for .60 Specific gravity gas with filter				
Outlet Pressure Set Point		Inlet 14" W.C.	Inlet 1 PSIG	Inlet 2 PSIG
31051 1/2"	8" W.C.	386	552	785
	11" W.C.	218	511	785
31052 3/4"	8" W.C.	369	665	946
	11" W.C.	363	616	946

Oil Burner Controls (31)

resideo.com



Combination Protectorelay and Hydronic Heating Controllers

Immersion type aquastat controller and oil burner primary control, provides high limit and low limit/ circulator control for oil-fired hydronic heating systems. Mount directly on burner.

STOCK NO	EACH
R8182D1079	1498.42



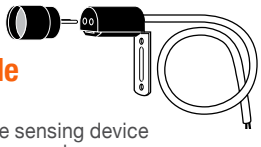
Universal Digital Oil Primary

Field Adjustable Timings

Timing - 15,30,45 Seconds.
Valve-On Delay - 0-30 Seconds.
Burner Motor Off Delay - 0-8 Minutes.

STOCK NO	EACH
R7284U1004	141.99

Honeywell Home from resideo



Cadmium Sulfide Flame Detector

Photoconductive flame sensing device for sequencing oil burner systems. Wire into protecto relay 60" lead.

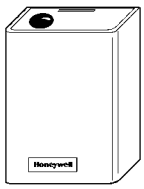
STOCK NO	EACH
C554A1463	49.26

(21)

Cad Cell Plug in eye

STOCK NO	EACH
130367	59.81

Switching Relays



RA89A Low Voltage Relay

This switching relay provides intermediate switching to permit a low-voltage controller to control a line voltage device. An internal transformer provides low-voltage power for the control circuit. The RA89A is used with Series 80 controllers to switch one line voltage load.

Model	Switching	Volts	Cycles
RA89A1074	S.P.S.T.	240	60

STOCK NO	EACH
RA89A1074	138.94



Universal Switching Relay

The R8845U Universal Switching Relay provides intermediate switching of line- and low-voltage devices from a line- or low voltage controller. The R8845U may be used to replace several Honeywell or competitive switching relays and is typically applied in hydronic heating systems.

STOCK NO	EACH
R8845U1003	131.84

Taco Zone Controls (24)

Taco Zone Valve Controls

ZONES	STOCK NO	EACH
3	TAZVC403	190.80
4	TAZVC404	222.28
6	TAZVC406	293.71

(24)

EXP Zone Valves with Powerport Option

STOCK NO	EACH
TAZVC404EXP	237.32
TAZVC406EXP	304.03

TACO EXP Zone Valve Specifications

Stock Number	No. Zones	Pwrprt Slots	PwrCntrl Plugs	Transformer Rating	Transformer Voltage Input
ZVC404EXP	4	2	1	40 VA	120 VAC
ZVC406EXP	6	2	1	75 VA	120 VAC

Zone Controls with PowerPort Option

Combine clearly labeled PC board layouts with advanced features that allow for total system customization. UL and CSA listed. Use standard "ice cube" replaceable relays and are compatable with conventional and programmable thermostats.

(24)

Taco Switching Relay Pump Controls

With Priority

ZONES	STOCK NO	EACH
1	TASR501	116.55
2	TASR502	240.14
3	TASR503	256.11

(24)

EXP Switching Relay Pump Controls with PowerPort Option

STOCK NO	EACH
TASR501EXP1	226.98
TASR503EXP	348.21
TASR504EXP	331.76
TASR506EXP	395.69

TACO EXP Switching Relay Specifications

Stock Number	No. Zones	Pwrprt Slots	PwrCntrl Plugs	Transformer Voltage	Max.Comb. Load
SR501EXP	1	0	1	120 VAC Input	5 amps
SR503EXP	3	3	1	120 VAC Input	20 amps
SR504EXP	4	3	1	120 VAC Input	20 amps
SR506EXP	6	3	1	120 VAC Input	20 amps

Taco Add-On Controls (24)



Variable Speed Pump Mixing Control

STOCK NO	EACH
TAPC705	687.97

(21)

Replacement Relay

STOCK NO	EACH
TASR024001	98.82

Taco Zone Controls (24)

Taco RMB-1 ¾" Radiant Mixing Block



- All-in-One Injection Piping, Pumping, Air Elimination and Control Package.
- Only 4 Pipe Connection Required.
- Plug-in Low Voltage Connections.
- Line Cord Included, Hard Wire Option.

SIZE	STOCK NO	EACH
¾" Connections	TARMB1	3337.46

Taco Set Point i Series Mixing Valve



- Ball Valve Design, High Cv.
- Operates Off Constant Power or Relay End Switch.

SIZE	STOCK NO	EACH
1" Connections	TAI100C3S1	767.87

Aquastat Controller

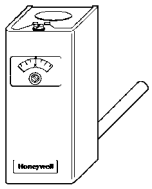


Dual Aquastat Controller

High limit, low limit and/or circulator controllers used to regulate boiler water temperature in gas-fired hydronic heating systems. Immersion type, liquid filled sensing element actuates two snap switches. Does not require leveling. Adjustments made inside front cover.

STOCK NO	EACH
L4081A1023	430.11

Aquastat Controllers



L4006A1678 Aquastat Controller
Immersion type controllers for limiting or regulating temperatures of liquids in boilers or tanks. Breaks on temperature rise, high or low-limit. 240 F Stop. For 3" Wel.

STOCK NO	EACH
L4006A1678	241.29



L4006A1959 Aquastat Controller
Immersion type controllers for limiting or regulating temperatures of liquids in boilers or tanks. High limit with 40°F to 180°F operating temperature and 2 F fixed differential.

STOCK NO	EACH
L4006A1959	240.41



L4008A1015 Remote Bulb Controller
Hydronic controllers for limiting or regulation temp. of boiler water or liquid in tanks. Can also sense duct or outside air temperature. 240° F Stop.

STOCK NO	EACH
L4008A1015	258.03

L6006A1145 Aquastat Controller
Immersion type controllers for limiting or regulating temperature of liquids in boilers or tanks. Circulator or high or low-limit .5—30 F adjustable differential. 240 F Stop.

STOCK NO	EACH
L6006A1145	253.50

L6006C1018 Aquastat Controller
Designed for surface mounting. Mounting bracket is furnished for pipe-strap mounting. No tapping of the boiler or draining of the system required. Range 60-200 Fah. 5—30 F adjustable differential.

STOCK NO	EACH
L6006C1018	227.89

L6008A1192 Remote Bulb Controller
Hydronic Controllers for limiting or regulating temperature of boiler water or liquid in tanks. Can also sense duct or outside air temperature. 5—30 F adjustable differential. 240 F Stop.

STOCK NO	EACH
L6008A1192	411.52

Aquastat Relays

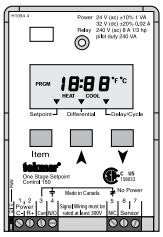


L4006 Aquastat Manual Reset High Limit
Surface Mount for limiting or regulating the temperature of liquids in boilers, storage tanks, and other applications where temperature control is required. L4006 are used in applications that utilize the existing wells.

STOCK NO	EACH
L4006H1004	364.76

Tekmar Controls
tekmarcontrols.com



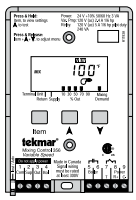


One Stage Setpoint Control 150
Digital display and a remote sensor.
Wide setpoint range, accurate to within +-0.5° F.
Ideal for slow responding systems.
Heating or cooling systems controlled through the SPDT output relay. 24V Class 2 power supply.

STOCK NO	EACH
TE150	307.64

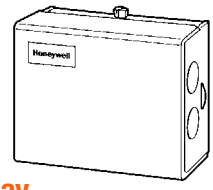
2-Stage Setpiont Control 152
Has adjustable differentials, time delays, and a very wide setpoint range.
A Universal Sensor 071 is supplied with control.

STOCK NO	EACH
TE152	414.07



Variable Speed Mixing Control 356
Outdoor reset control with Injection mixing. Operates boiler. Operates and varies the speed of injection pump. Sensors Included. 24V Class 2 power supply.

STOCK NO	EACH
TE356	515.40



L8124G1020 Triple Aquastst Relay
Immersion-type controller combines high limit protection with low limit and circulator control.

STOCK NO	EACH
L8124G1020	555.05

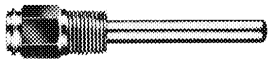
L8148A1017 Aquastat Relays
Immersion-type controllers combine high limit protection with switching relay control of burner and circulator motors. Aquastat relay, Hi-limit, switching control of burner and circulator, 140-240 F.,120V.

STOCK NO	EACH
L8148A1017	384.12

L8148J1009 Aquastat Relays
Immersion-type controllers combine high limit protection with switching relay control of burner and circulator motors. 24V or milli-volt. Up to 3 zones.

STOCK NO	EACH
L8148J1009	472.74

(21)



Immersion Wells

STOCK NO	EACH
HO121371A	85.48
HO121371B	97.34
HO121371L	113.59
HO121371M	128.25
HO123871A	121.37
HO123872A	110.48

Used With Aquastat	Model	Tapping	Bulb Dia.	Insertion	Insulation Depth
L8124G	*121371A	½"	⅜"	3"	1½"
L8148A	*121371B	¾"	⅜"	3"	1½"
L8148J					
L4006A	*121371L	½"	⅜"	3"	3"
L4006E	*121371M	¾"	⅜"	3"	3"
L4008A	123871A	¾"	⅜"	3"	3"
L6006A	123872A	½"	⅜"	3"	3"
L6008A					
L8124G					
L8148A					
L8148J					
T675A	112622AA	½"	½"	4"	1½"

*With mounting clamps

Consult our heating department for explanation or list of control functions.

Hydronic Controls (31)

(Ideal for Radiant Floor Heating Systems)

tekmarcontrols.com

Tekmar Controls & Thermostats



Invita™ WiFi Thermostat 564

- Ventilation
- Slim profile with multiple display color options
- Mobile & web app, warning email notifications
- Relative humidity control
- Weather, outdoor temperature
- Programmable schedule with early start, energy monitoring
- Water leak notification when connected to Watts FloodSafe Water Detector Shutoff

Conventional systems: Up to 2-stage heating, 2-stage cooling, fan and 2 accessories

DESCRIPTION	STOCK NO	EACH
White	*TE564*	*345.09*
Black	*TE564B*	*363.77*



3-Way Brass Mixing Valve

Female NPT Connections

SIZE	STOCK NO	EACH
¾"	*TE710*	*257.34*
1"	*TE711*	*258.80*
1¼"	*TE712*	*263.90*



4-Way Brass Mixing Valve

Female NPT Connections

SIZE	STOCK NO	EACH
¾"	*TE720*	*266.81*



Transformer Kit

24 Volt

Includes Mounting Box

STOCK NO	EACH
TE009K	*138.51*

Consult our heating department for explanation or list of control functions.



Non-Programmable Thermostats

- For HRF Heating Systems with Cooling and Slab Temperature Limits.
- Air and/or slab temperature control.
- 2-4 temps per day, 7 day or 24 hour schedules.
- Permanent or temporary overrides.
- No need to reset after power outage.
- 4 hour clock back-up (no battery needed).
- 24V (ac) power supply.
- Adjustable heating cycles per hour.

DESCRIPTION	STOCK NO	EACH
1stage heat ONLY	*TE518*	*154.45*
1stage heat air & slab w/sensor.	*TE519*	*175.43*



WiFi Thermostat 561/562

- 3.5" Color Touchscreen.
- Website, Apple iOS & Android Apps.
- Designed to Support Radiant Floor.
- 7 Day Programmable and Energy Savings Mode.
- Email Error and Warning Notifications.
- Local Weather & Outdoor Temperature.
- Clock & Software Updated Automatically.

DESCRIPTION	STOCK NO	EACH
1 Stage Heat	*TE561*	*307.64*
2 Stage Heat, 1 Stage Cool, Fan	*TE562*	*391.47*



Switching Relays

- Connects thermostats and operates circulators to heat a zoned hydronic heating system.
- 303P, 304P and 306P provide a RoomResponse™ signal to modulating-condensing boilers to optimize comfort while improving boiler efficiency and enegy savings.

CONNECTIONS	STOCK NO	EACH
Up to 1 Thermostat	*TE301P*	*108.82*
Up to 3 Thermostats	*TE303P*	*264.97*
Up to 4 Thermostats	*TE304P*	*331.84*
Up to 6 Thermostats	*TE306P*	*428.06*



Zone Valve Controls

- Connects thermostats and operates zone valves to heat zoned hydronic heating system.
- Provides a RoomResponse™ signal to modulating-condensing boilers to optimize comfort while improving boiler efficiency and enegy savings.

CONNECTIONS	STOCK NO	EACH
Up to 3 Thermostats	*TE303V*	*203.57*
Up to 4 Thermostats	*TE304V*	*246.83*
Up to 6 Thermostats	*TE306V*	*312.64*



tN4/tN2 Thermostat 552/553

- Remote Sensing.
- Touchscreen.

DESCRIPTION	STOCK NO	EACH
1 Stage Heat	*TE552*	*353.57*
2 Stage Heat, 1 Stage Cool, Fan	*TE553*	*498.64*



tN4/tN2 Thermostat 557

- Radiant Floor.
- 2 Heat Pump, 2 Cool.
- Backup.
- Humidity.
- Touchscreen.

STOCK NO	EACH
TE557	*766.18*



tN2 Wiring Center 313/314

- CSA C US Certified for use in USA and Canada
- External diagnostic LEDs
- For two-stage tekmarNet®2 Thermostats ONLY

ZONING	STOCK NO	EACH
4-Zone Valves	*TE313*	*428.65*
4-Zone Pumps	*TE314*	*444.69*



tN2 House Control 402/403

- 4-Zone Valves
- Boiler, DHW & Setpoint, Mixing

ZONE OUTPUTS	STOCK NO	EACH
Four 24V (ac)	*TE402*	*1192.64*
Four 115V (ac)	*TE403*	*1326.05*



tN2 House Control 406

- 2-Stage Heat Pump
- Boiler BU, Mixing, 4 Valves

STOCK NO	EACH
TE406	*1863.32*

Boiler Controls



Two Stage Boiler Control 261

Designed to control two seperate on/off boiler stages (or one low/high fire) in orde to provide outdoor reset or setpoint operation.

STOCK NO	EACH
TE261	780.03



Smart Boiler Control 294

- Supports reverse return, primary-secondary and variable primary flow piping systems
- Sequential or parallel staging for condensing and non-condensing
- Remote access using Watts OnSite app
- Operates 4 boilers, expandable with TE294EXP
- 5 inch color touchscreen
- 115 V (ac) plus/minus 10%, 60 Hz, 9 W

STOCK NO	EACH
TE294	1744.50



Smart Boiler Expansion

- Expansion for 4 boilers
- LED status indicators for power, communication, each boiler and pump/valve
- 3-wire communication
- Boiler configuration selected by DIP switches

STOCK NO	EACH
TE294EXP	1207.95

Snow Melting Controls



Snow Melting Control 654

- The 654 has an automatic start and stop function when used with Snow/Ice Sensor 090.
- Automatic start with a timed stop is available when used with the Snow Sensor 095.
- Power supply 24V.

STOCK NO	EACH
TE654	921.46



WiFi Snow Melting Control 670

Boiler & Mixing/Electric. Works with the tekmar Snow/Ice Sensor 090 or Snow Sensor 095. Auto storm shut down & slab protection.

STOCK NO	EACH
TE670	3026.81



WiFi Snow Melting Control 671

Boiler & Mixing/Electric. Works with the tekmar Snow/Ice Sensor 090 or Snow Sensor 095. Manual storm operation.

STOCK NO	EACH
TE671	1643.90



Relays

DPDT relay that is used to isolate electrical loads and allow higher current ratings than the on board relays found on tekmar controls.

VOLTAGE	STOCK NO	EACH
24 V	TE003P	84.56
120 V	TE004	86.02

Sensors



Wireless Outdoor Sensor 087

10 year battery life. 5000 ft. open range. Compatible with all tekmar controls and thermostats. -40°F to 140°F

STOCK NO	EACH
TE087	219.43



Indoor Sensor 076

Provides accurate measurement of indoor temperature. Small size, can be mounted directly on the wall. Can be connected to 10K room temperature unit(RTU) for remote temperature sensing.

STOCK NO	EACH
TE076	71.44



Outdoor Sensor 070

Designed to provide accurate sensing of the outdoor temp. for display and control operation.

STOCK NO	EACH
TE070	57.59



Snow Sensor 095

Aerial mounted sensor that detects falling snow and allows a tekmar Snow Melting Control 654 to automatically start the snow melting equipment.

STOCK NO	EACH
TE095	274.10

Slab Sensors

Commonly used for supply/return water temp. Dimensions - ⅜" X ¾", -60 to 255° F
10K NTC thermistor 10kΩ @ 77° F

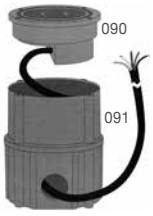
WIRE SIZE	STOCK NO	EACH
1'	TE071	48.11

Used for snow melting slabs
Dimensions ½" X 2". -60 to 140° F
NTC thermistor 10kΩ @ 77° F.

WIRE SIZE	STOCK NO	EACH
20'	TE072	154.55

Commonly used for in floor heating applications
Dimensions 3/16" X 1½". -58 to 140° F
NTC thermistor 10kΩ @ 77° F.

WIRE SIZE	STOCK NO	EACH
10'	TE079	53.95



Snow/Ice Sensor 090/091

Used with 662 Snow and Ice Control. Detects Snow and ice on melting slab, then activates 662 Control.

STOCK NO	EACH
TE090	1109.54

Snow/Ice Sensor Socket

TE091	262.44

Apollo Valves

apollovalves.com



3-Way Mixing/Diverting Valve

85° to 140° F.

SIZE	STOCK NO	EACH
¾"	34A214S	369.99
1"	34A215S	407.74

3-Way Mixing Valves

120° to 180° F • Sweat/NPT • Lead Free

SIZE	STOCK NO	EACH
¾" Sweat	34ALF214HS	416.97
1" Sweat	34ALF215HS	448.46
1" NPT	34ALF215HT	448.46

Caleffi Valves

caleffi.com





NPT MALE

SWEAT

5231 Series High Flow Thermostatic Mixing Valve

ASSE 1017
200 psi Maximum Pressure
Ranges: 95° to 150°F • Max inlet temp: 19[illegible]°F

CONNECTORS	MIN FLOW (GPM)	STOCK NO	EACH
1¼" NPT	4.4	CA523170A	1404.43
1½" NPT	8.8	CA523180A	2071.37
1¼" SWT	4.4	CA523178A	1343.80
1½" SWT	8.8	CA523188A	2019.68



AngleMix™ Angle-style 3-Way Thermostatic Mixing Valve

ASSE 1017
150 psi (10 bar) Maximum Pressure
Ranges: 95° to 150°F • Max inlet temp: 195°F

CONNECTORS	MIN FLOW (GPM)	STOCK NO	EACH
¾" Press	0.5	CA520516A	262.40



521 MixCal



520 AngleMix

521 MixCal™ Body & 521 AngleMix™ Body

ASSE 1017 • See fitting options below

TYPE	CONNECTORS	STOCK NO	EACH
521	1" Male Union Thread	CA521101A	157.05
520 Angle	1" Male Union Thread	CA520051A	157.05
¾" Connection for Zone & Mixing Valve Bodies			
¾" MNPT, 1" Nut, Washer		CANA20650	21.87
¾" Press, 1" Nut, Washer		CANA20656	21.97
¾" PEX Crimp, 1" Nut, Washer		CANA20657	18.73
¾" PEX Expansion, 1" Nut, Washer		CANA20658	18.73
¾" Sweat, 1" Nut, Washer		CANA20659	18.73
1" Connection for Zone & Mixing Valve Bodies			
1" MNPT, 1" Nut, Washer		CANA20660	36.20
1" Press, 1" Nut, Washer		CANA20666	38.08
1" PEX Crimp, 1" Nut, Washer		CANA20667	32.64
1" PEX Expansion, 1" Nut, Washer		CANA20668	32.64
1" Sweat, 1" Nut, Washer		CANA20669	32.64
Optional Guage			
1" Union Thread		CANA10358	40.18

****Fittings sold in Qty. of 1, NEED 3 to complete Mixing Vavle****

Heat Exchanger

dovercorporation.com





(27)

SWEPS Brazed Plate Heat Exchangers

B10T series is designed specifically for hydronic heating boiler application, snow melting, steam and fluid to fluid application. Copper brazed, stainless steel plates offer highly efficient, low fouling heat transfer surface. Rated for 450 psi. U-L listed.

# PLATES	W x L x D	HOT SIDE	COLD SIDE	STOCK NO	EACH
8	4.9x12.2x1.1	1" MPT	1" MPT	B10THX8FB	473.55
12	4.9x12.2x1.5	1" MPT	1" MPT	B10THX12FB	499.72
20	4.9x12.2x2.2	1" MPT	1" MPT	B10THX20FB	606.85
36	4.9x12.2x3.7	1" MPT	1" MPT	B10THX36FB	803.26
60	4.9x12.2x6	1" MPT	1" MPT	B10THX60FB	1099.06

(27)

SWEPS Mounting Bracket

STOCK NO	EACH
B10THBKT	66.96

SWEP
A DOVER COMPANY



Taco 3196-1 Differential Bypass Valve

Differential Bypass Valve automatically reroutes the excess flow through the bypass valve. This prevents velocity noise while maintaining the designed heat transfer of each zone, enhancing overall system performance.

SIZE	STOCK NO	EACH
¾"	TA3431961	99.16

NEW ITEM





Hexonic Brazed Plate Heat Exchangers

Brazed plate heat exchangers are the perfect solution that allows to maintain high thermal performance at low operating costs. Wide range of types, sizes, and numbers of plates and connections allows for optimizing the selection to particular application. Brazed plate heat exchangers guarantee reliable, long-term operation.

# PLATES	CONNECTION	STOCK NO	EACH
10	1"	LB3110H	924.92
20	1"	LB3120H	1086.41
30	1"	LB3130H	1233.23
40	1"	LB3140H	1380.04
50	1"	LB3150H	1541.53
60	1"	LB3160H	1688.34
80	1"	LB3180H	1996.65
100	1"	LB31100H	2304.96
40	2.5"	LC11040	4228.20
60	2.5"	LC11060	5255.89
80	2.5"	LC11080	6430.39

Bracket for LC110 Series

STOCK NO	EACH
MNTLC	690.02

Bell & Gossett Circulator Pumps (24)

bellgossett.com



3-Piece Circulator Pumps

Oil Lubricated • 115v • Single Speed

MODEL NO.	TYPE	FLANGE	STOCK NO	EACH
For heating systems. Small to medium applications				
106189	C.I.	STD	BG100	929.37
For domestic hot water recirculation systems				
106197LF	BRZ	STD	BGB100	1629.06
102213LF	BRZ	HV	BGBHV	2803.75



NRF Circulator Pumps

Water Lubricated • Cast Iron • 115v

MODEL NO.	SPEED	FLANGE	STOCK NO	EACH
For heating systems. Small to medium applications				
103417	3	STD	BGNRF25	228.72
103400	3	STD	BGNRF36	635.07
103404	3	HV	BGNRF45	734.09



NBF Circulator Pumps

Water Lubricated • Bronze Body • 115v

MODEL NO.	SPEED	FLANGE	STOCK NO	EACH
For domestic hot water recirculation systems				
103252LF	1	STD	BGNBF22	693.52
103351LF	1	STD	BGNBF33	782.49
103255LF	1	UNION	BGNBF22U	661.96



PL Series Circulator Pumps

Permanent Lubricated Bearings • Dry Rotor • 115v

MODEL NO.	SPEED	FLANGE	STOCK NO	EACH
For heating systems. Small to medium applications				
1BL012	1	STD C.I.	BGPL30	636.86
1BL001	1	STD C.I.	BGPL36	645.72
1BL032	1	STD C.I.	BGPL55	1198.04
For domestic hot water recirculation systems				
1BL004LF	1	HV BRZ	BGPL45B	1276.09



Circulator Pump Flanges

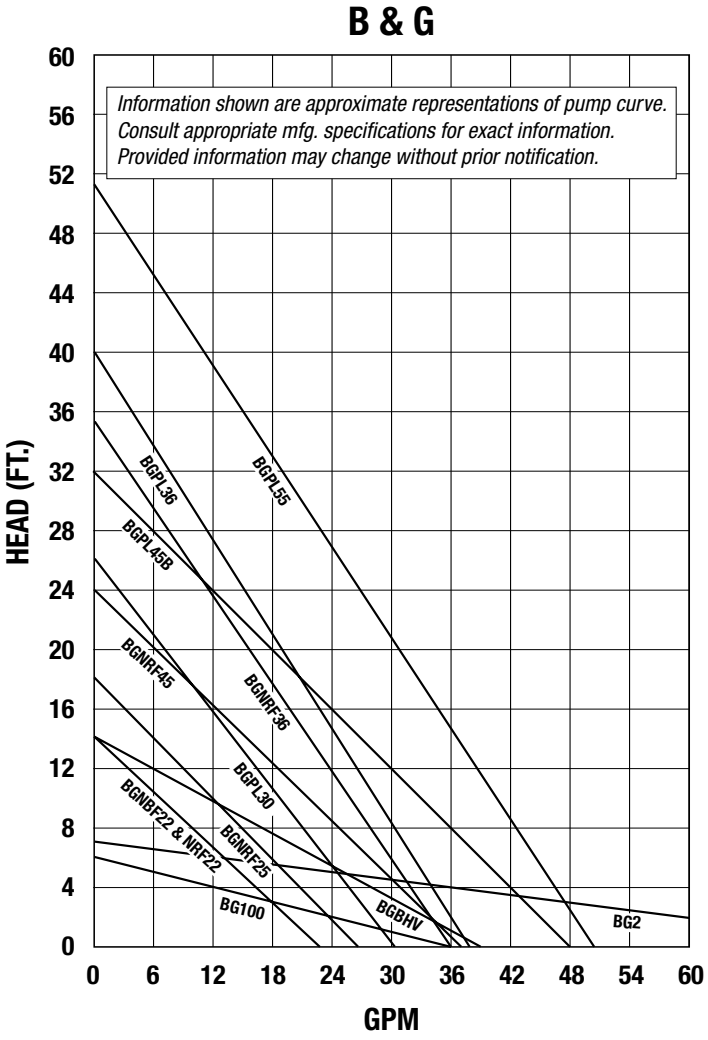
Standard & HV Flanges are interchangeable with all manufactures.

SIZE	FLANGE	STOCK NO	PAIR
FOR CAST IRON			
¾"	STD	BG101201	45.98
1"	STD	BG101202	45.98
1¼"	STD	BG101203	45.98
1½"	STD	BG101204	45.98
1½"	HV	BG101207	45.98
2"	SPC	BG101215	246.55
FOR BRONZE			
¾"	STD	BG101501LF	78.81
1"	STD	BG101502LF	78.81
1¼"	STD	BG101503LF	83.88
1½"	STD	BG101504LF	78.81

3/4" Union Connection (Sweat)

STOCK NO	EACH
BGUC34S.	106.18

Bell & Gossett Performance Curves



Performance Curves Reflect Models at High Speed

Taco Circulator Pumps (24)

taco-hvac.com

"00" Series Circulator Pumps

Water Lubricated • 115v • Single Speed

For heating systems. Small to medium applications.



MODEL NO.	TYPE	FLANGE	STOCK NO	EACH
007-IFC	C.I.	STD	TA007F5	235.41
009-F5	C.I.	STD	TA009F	615.10
0011-F4	C.I.	STD	TA0011F	556.89

"00" Series Circulator Pumps

Water Lubricated • 115v • 3 Speed with Check

For heating systems. Small to medium applications.



MODEL NO.	TYPE	FLANGE	STOCK NO	EACH
0010MSF2IFC	C.I.	STD	TA0010MSF2IFC	676.51
0015MSF3IFC	C.I.	STD	TA0015MSF3IFC	233.98

"00" Series Zoning Pumps

Water Lubricated • 115v • Single Speed

For heating systems. Small to medium applications.



MODEL NO.	TYPE	FLANGE	STOCK NO	EACH
007-ZF5-9	C.I.	STD	TA007ZF5	464.54
007-ZF5-3IFC	C.I.	STD	TA007ZF53IFC	495.98
0011-ZF4-2	C.I.	STD	TA0011ZF4	951.82

0018e Circulator Pumps

Max. Operating Pressure - 125psi
Max. Water Temperature 230° F
4 Operating Modes: Infinitely variable fixed speed, constant pressure, proportional pressure or self-adjusting activeADAPT®.
(2-way Bluetooth Communication)

ECM permanent magnet motor • 120v, 60Hz Single Phase



MODEL NO.	SPEED	FLANGE	STOCK NO	EACH
00118e-2F2	VAR.	STD	TA0018E2F2	454.09
00118e-2F4	VAR.	UNIV	TA0018E2F4	472.24

007e Circulator Pumps

ECM Variable Speed • 120v 60Hz

Max. Operating Pressure - 125psi
Max. Water Temperature 230° F
Ideal for hydronic systems zoned with circulators or zone valves.



MODEL NO.	SPEED	FLANGE	STOCK NO	EACH
007e-F4	VAR.	UNIV	TA007E	318.60

00e Circulator Pumps

ECM High-Efficiency Circulator • 110-120v 50/60Hz

Max. Operating Pressure - 125psi
Max. Water Temperature 230° F
Ideal for Delta-T or setpoint temperature applications.
Uses up to 85% less electricity, Easy to program and install
LCD displays operating mode, temperature or speed setting, watts, supply & return temperatures.
Sure Start automatic unblocking mode



MODEL NO.	SPEED	FLANGE	STOCK NO	EACH
VT2218	VAR.	UNIV	TAVT2218	730.32

"0034e" & "0034ePlus" Series EXM High-E Circulators

ECM Variable Speed • 115V/208/230, 50/60Hz

Max. Operating Pressure - 150psi
Max. Water Temperature 230° F
Reduces power consumption by up to 85% compared t permanent split capacitor circulators



MODEL NO.	TYPE	FLANGE	STOCK NO	EACH
VM3450-HY1-FC2A00	C.I.	STD	0034EF2	1136.92
VR3450-HY1-FC2A00	C.I.	STD	0034EPF2	1466.72

Hot-LinkPlus-e

ECM High-Efficiency Instant Hot Water System
120v, 60Hz Single Phase

Maximum Operating Pressure - 150psi
Maximum Water Temperature 203° F
The system combines the ECM high-efficiency 006e3 hot water circulator with the award-winning SmartPlug Instant Hot Water Control® and Hot-Link® Valve for maximum comfort and efficiency.
Ideal for retrofits, the Hot-LinkPlus-e requires no programming .
Hot-Link® Valve ½" MNPT, 4" x 4 7/16" x 1¾" x 2½"



MODEL NO.	SPEED	CONNECTIONS	STOCK NO	EACH
HLPe-1	1440-3720RPM	¾" NPT M/F Unions included	TAHLPE1	682.57

00e Series Circulator Pumps

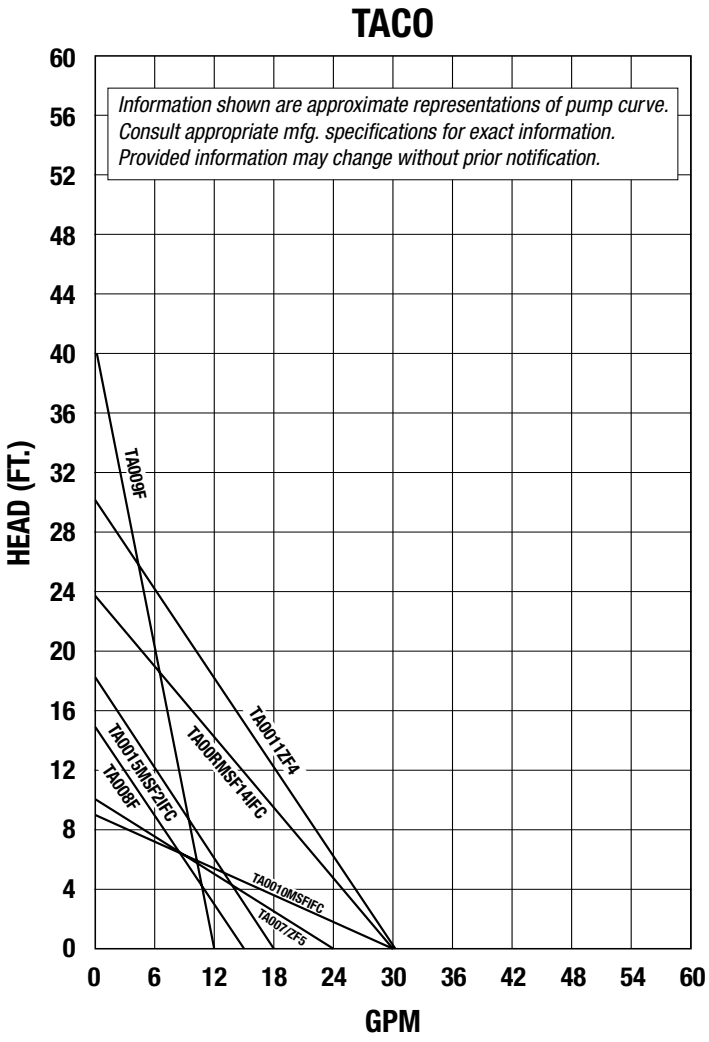
ECM High-Efficiency Circulator • 120v 60Hz

Maximum Operating Pressure - 125psi
Maximum Water Temperature 230° F
The 0015e3TM is a variable speed, high-efficiency wet rotor circulator with an ECM permanent magnet motor. It's ideal for hydronic systems zoned with circulators or zone valves.
With 3 easy settings, the 0015e3 delivers performance, reliability and ease.



MODEL NO.	SPEED	FLANGE	STOCK NO	EACH
0015e3	4830RPM	Universal	TA0015E32F4	366.71

Taco Performance Curves



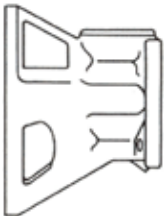
Performance Curves Reflect Models at High Speed

Bell & Gossett

bellgossett.com

Bearing Assembly

FOR	STOCK NO	PRICE
Series 100 C.I.	BG118844	387.06
1,11/4,11/2"	BG189162	748.41
2"(MFG 1951-75)	BG189163	763.53
Replaced 189120 & 189122		
HV (MFG After 1976)	BG189165	830.06
PR, 2½", LD-3, HD-3	BG189105	985.78
PD35,37,60-AA, 1522-AAB	BG186863	1536.14
Series 100 Bronze	BG189034	377.99
PD38,39,40 & 60-A	BG185260	3931.07



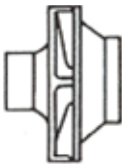
Couplers

FOR	STOCK NO	PRICE
C.I. Coupler Series 100		
HV, 2", PR.	BG118705	62.75
C.I. Coupler Series		
2½", LD-3, HD-3	BG118723	95.26
C.I. Coupler PD35, PD37, 60-AA,		
1522 (½" Motor Shaft)	BG118473	158.76



Impellers

FOR	STOCK NO	PRICE
Non-Ferrous Impeller Series		
100 C.I. & Bronze	BG189132	77.11
Brass Impeller Series		
100 Bronze	BG118431	184.46
Steel Impeller Series		
2", HV (Prior 1976)	BG118668	361.35
Brass Impeller Series		
2", HV (Prior 1976)	BG118436	447.54
Brass Impeller Series		
2½", LD3	BG118440	805.87
Brass Impeller Series PD37		
1522, 60-2AA, 60-2A		
(5¼" Impeller).	BG118626	1298.77
Brass Impeller Series PD37		
1522, 60-2AA, (4¾" Impeller)	BG118627	1298.77
Non-Ferrous Impeller Series		
2", 2" Bronze, HV, HV Bronze	BG189128	287.27



Flange Gaskets

FOR	STOCK NO	PRICE
Series 100, PR, 60-1AA,		
60-1-1/4AA	BG118368	21.92
Series HV, 60-1-1/2AA,		
60-1-1/2A	BG118373	45.36
Series 2" NFI, 2" BFNI	BG118378	52.16
Series 2½", LD3, HD3, PG35,		
PD37, PD38, PD39, PD40	BG118129	52.92



Motors

FOR	STOCK NO	PRICE
1/12HP 115v Series 100	BG111034	1158.15
1/6HP 115v Series 2", HV		
(Larger Motor - Old Style)	BG111031	1632.91
1/6HP 115v Series 2" NFI,		
2" BNFI, HV NFI, HV BNFI		
(Smaller Motor -New Style)	BG111061	1700.95
1/4HP 115v Series 2½", LD3	BG111040	2726.04
1/3HP 115v Series HD3	BG111042	3460.85
1/2HP 115/230v Series PD35,		
60-1-1/2AA, 1-1/2A	BG111044	4738.43



Seal Kits

STOCK NO	PRICE
BG118681	104.33
BG186499	444.51



Motor Mounts

FOR	STOCK NO	PRICE
Series 100, HV, HV NFI,		
HV BNFI, 2"	BG118223	83.16
Series HD3, PD35, PD37, 60,		
1522 (1/3, 1/2, 3/4 HP ONLY)	BG118228	110.38



Bearing Assembly

FOR	STOCK NO	PRICE
Series 60 Maintenance Free		
(Through 1 1/2HP) (Additional		
parts needed for 6 1/4 Pumps)	BG185332	1539.16

Oil Lube

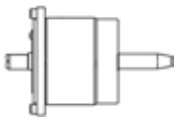
FOR	STOCK NO	PRICE
ALL Oil Lubricated Pumps	BGL23401	16.63

Taco

taco-hvac.com

Bearing Assembly

FOR	STOCK NO	PRICE
ALL 9 & SER # Pumps	TA1600160	1398.28



Coupler Inserts

FOR	STOCK NO	PRICE
ALL 3J Couplers, Inline		
1/4 & 1/3 HP	TA1624020	28.35
4J 5/8 x 1/2 Couplers, Inline		
1/2 HP 48 FR	TA1624004	33.67
ALL 5J Couplers, Inline 3 HP	TA900512	54.36



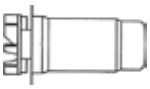
Flange Gaskets

FOR	STOCK NO	PRICE
110-113 Pumps.	TA110339	27.30
121-138 Pumps, 1600 Pumps	TA1600050	221.40



Cartridge Assembly

FOR	STOCK NO	PRICE
Most 007 C.I. Single Speed,		
Most 007ZF Models	TA007042RP	295.65
Most 0011 C.I. 1 Speed, 0011ZF	TA0011009RP	652.86



(21)

Circuit Board

For Circulating Zone Pumps

STOCK NO	PRICE
TA005025	234.90

Circulator Pump Flanges

Standard & HV Flanges are interchangeable with all manufactures.

SIZE	FLANGE	STOCK NO	EACH
FOR CAST IRON			
¾"	STD	TA110251	34.21
1"	STD	TA110252	34.21
1¼"	STD	TA110253	34.90
1½"	STD	TA110254	34.90
FOR BRONZE			
¾"	STD-Swivel	SF075T	125.39
1"	STD-Swivel	TA2552	64.50



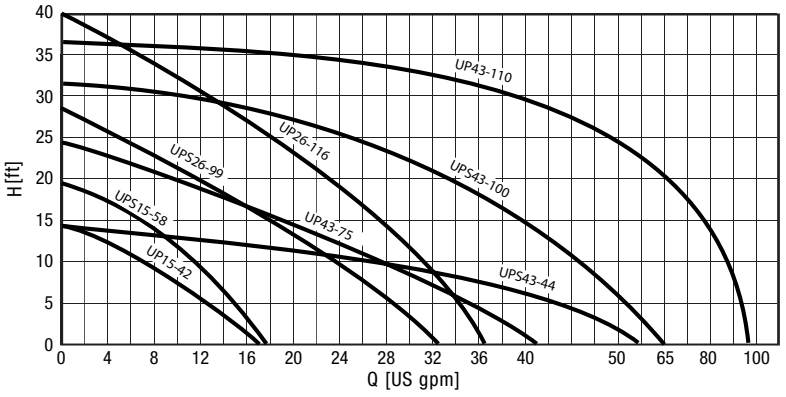


Grundfos UP Series Circulator Pumps

UP Series pumps are of the canned rotor type. The bearings are lubricated by the pumped liquid.

CAST IRON

MODEL	FLG	SPEED	VOLT	STOCK NO	EACH
59896341	STD	3	115	UPS1558FC	263.41
52722512	STD	3	115	UPS2699FC	776.25
52722513	STD	3	230	UPS2699FC230V	753.95
52722514	HV	3	115	UPS4344FC	1038.15
95906636	HV	3	115	UPS43100F	936.14
96439643	HV	1	115/208-230	UP43110F	3503.52



Curves reflect 3 Speed Models at High Speed

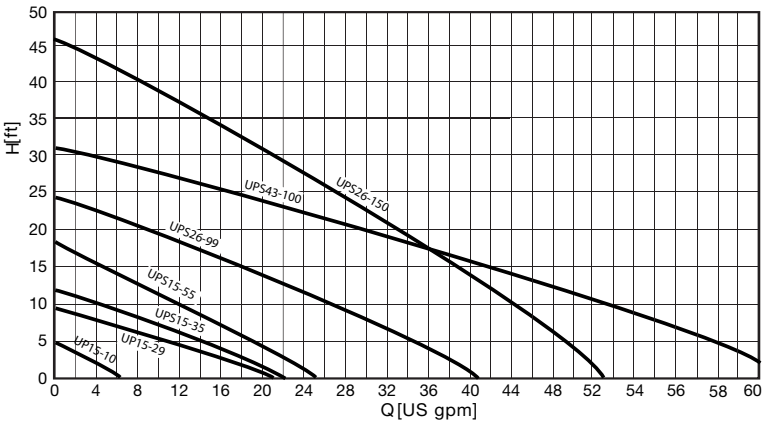


Grundfos UP Series Circulator Pumps

UP Series pumps are of the canned rotor type. The bearings are lubricated by the pumped liquid.

STAINLESS STEEL

MODEL	FLG	SPEED	VOLT	STOCK NO	EACH
59896775	UN	1	115	UP1529SU	411.65
52722518	STD	3	115	UPS2699SFC	1445.99
95906632	STD	3	115	UPS26150SF	1718.32
95906638	HV	3	115	UPS43100SF	1492.34



Curves reflect 3 Speed Models at High Speed



Grundfos 15-10 SU7P/TLC, 1 Comfort valve

Comfort System for hot-water recirculation delivers hot water instantly to all faucets in private homes. It uses a bypass valve and pump with a timer to control water flow and deliver instant hot water.

STAINLESS STEEL

MODEL	FLG	SPEED	VOLT	STOCK NO	EACH
595916	UN	1	115	UP1510SU7PTLC	575.08



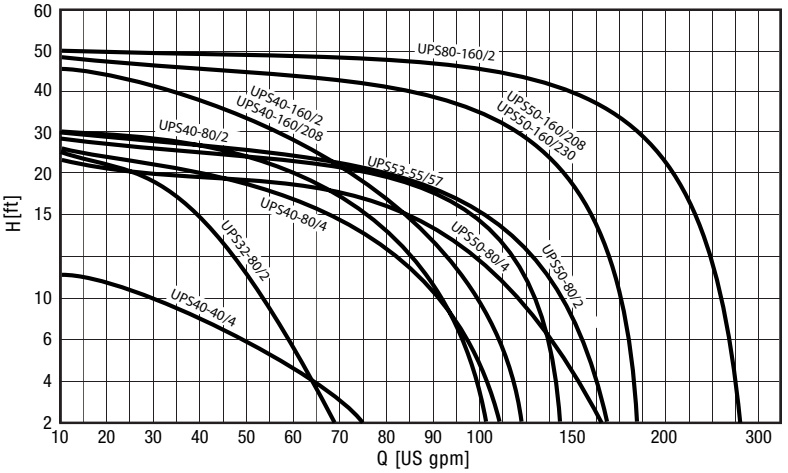
Grundfos UPS VersaFlo Series Circulator Pumps

3-Speed

UP Series pumps are of the canned rotor type. The bearings are lubricated by the pumped liquid.

CAST IRON

MODEL	FLG & SIZE	HP	VOLT	PH	STOCK NO	EACH
96402708	STD 1¼"	½	115	1	UPS32802115	2625.21
96402762	HV 1½"	¾	115	1	UPS40802	3587.22
96402782	HV 1½"	¾	115	1	UPS401602	4504.82
96402784	HV 1½"	¾	208/230	3	UPS401602208	4504.82
96402834	SPC 2"	¾	115	1	UPS50802	3526.74
96402838	SPC 2"	¾	208/230	3	UPS50802208	3526.74
96402860	SPC 2"	1½	208/230	3	UPS501602208	5344.92
96411613	SPC 2"	1½	230	1	UPS50160230	5386.50
96654373	SPC 2,2½,3"	¾	115	1	UPS535557F	4433.94



Curves reflect 3 Speed Models at High Speed

(21)

Comfort Valves

1/2" NPT - 15 pcs.

MODEL #	STOCK NO	EACH
595926	GR595926	226.38



GRUNDFOS

Grundfos Circulator Pumps (24)

grundfos.com

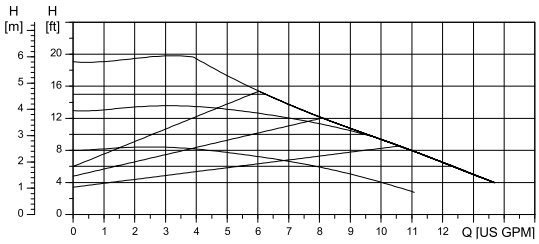
Grundfos UPSe 15-58 F Circulator Pumps



Includes constant pressure, proportional pressure, and constant curve, each with three settings.
High-efficiency ECM variable speed circulator designed for a wide variety of heating.
New toolless, removeable power connector.

EN 1561 EN-GJL-150 ASTM A48-25A • Terminal Box

MODEL	FLANGE	SPEED	VOLT	LINE CORD	STOCK NO	EACH
92603106	Cast Iron	VAR.	115	NO	UPSE1558F	306.50



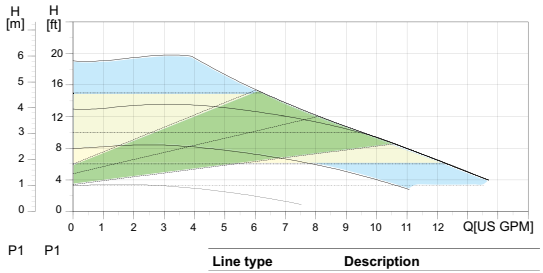
Grundfos Alpha 15-58 F Circulator Pumps



intelligent controls featuring a constant-pressure, proportional-pressure and constant curve, each with three settings as well as an AUTOADAPT setting.
New toolless, removeable power connector.
Simple, fast and intuitive setting, control and monitoring as well as troubleshooting analysis via Grundfos GO app.

EN 1561 EN-GJL-150 ASTM A48-25A • Terminal Box

MODEL	FLANGE	SPEED	VOLT	LINE CORD	STOCK NO	EACH
92603115	Cast Iron	VAR.	115	NO	ALPHA1558F	498.15



Line type	Description
	Constant curve
	Proportional pressure
	Constant pressure
	Minimum Constant pressure
	Minimum Constant curve
	Constant curve AUTOADAPT
	Constant pressure AUTOADAPT
	Proportional pressure AUTOADAPT

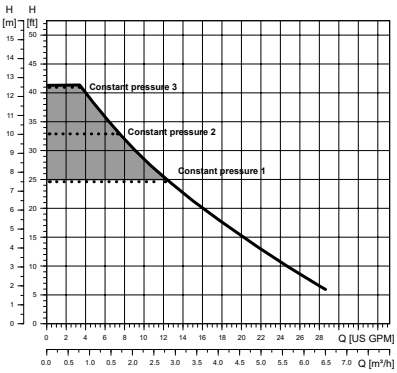
COMFORT 10-16 TDT BU/LC Circulator Pumps

NEW ITEM



BRONZE Domestic Recirculating Pumps. 1 x 115-230 V

MODEL	CONNECTION	LINE CORD	STOCK NO	EACH
Auto Adapt				
93094713	1¼" NPSM	Yes	COMFORT1016TDTBULC	638.67



Grundfos Alpha2 26-99F Circulator Pumps



Featuring eight different operating modes including constant pressure AUTOADAPT and proportional pressure AUTOADAPT.
The design protects the pump from harmful iron oxide and reduces energy consumption by up to 85% with EMC technology.

CAST IRON

MODEL	FLG	SPEED	VOLT	LINE CORD	STOCK NO	EACH
99490916	STD	VAR.	115	YES	ALPHA22699F	1107.00

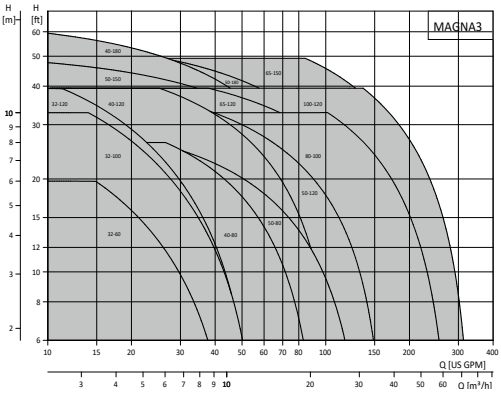
Grundfos "Magna 3" Series Circulator Pumps



ECM Variable Speed. Single Phase. 115v

CAST IRON

MODEL	FLG	SPEED	HP	STOCK NO	EACH
98126800	HV 1½"	VAR.	1/3	MAGNA34080	3802.46
98126804	HV 1½"	VAR.	1/2	MAGNA340120	4312.22
98126808	HV 1½"	VAR.	3/4	MAGNA340180	6282.14
98126816	SPC 2"	VAR.	3/4	MAGNA350150	6152.54
98124696	SPC 2"	VAR.	1	MAGNA365120	6864.48



Grundfos Alpha 15-29 SF/T Circulator Pumps

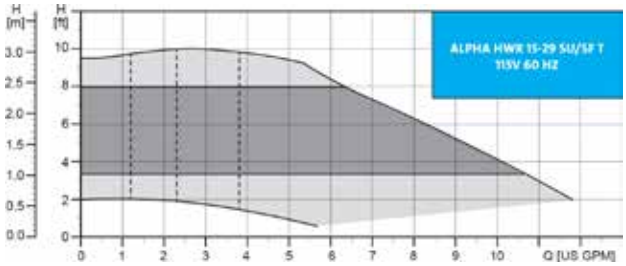
NEW ITEM



ALPHA HWR is designed for domestic hot water recirculation systems with a dedicated return line.
It features an integrated estimator for temperature estimation and scheduling via the built-in digital timer.

EN 1.4308 ASTM A351-CF8 • Terminal Box

MODEL	FLANGE	SPEED	VOLT	LINE CORD	STOCK NO	EACH
92603112	Stainless	VAR.	115	NO	ALPHAHWR1529SFT	917.92



Grundfos Alpha 15-55 SF/T Circulator Pumps

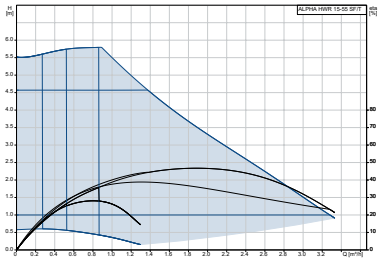
NEW ITEM



ALPHA HWR is designed for domestic hot water recirculation systems with a dedicated return line. It features an integrated estimator for temperature estimation and scheduling via the built-in digital timer.

FCC, cULus, cULDWus • Terminal Box

MODEL	FLANGE	SPEED	VOLT	LINE CORD	STOCK NO	EACH
92603110	Stainless	VAR.	115	NO	ALPHAHWR1555SFT	1105.92



Flanges

MODEL	FLG	SIZE	FOR USE WITH	STOCK NO	EACH
529913	UNION	1/2"Swt	BRZ UP10,15	12GRSWFL	102.06
529911	UNION	3/4"Swt	BRZ UP10,15	34GRSWFI	109.62
519601	STD	3/4"	C.I.	34GRCIFL	49.14
519602	STD	1"	C.I.	1GRCIFL	45.36
519603	STD	1 1/4"	C.I.	114GRCIFL	45.36
519604	STD	1 1/2"	C.I.	112GRCIFL	45.36
539605	HV	1 1/2"	C.I. UPS40,43	112GRCIFL4375F	85.05
539615	HV	1 1/2"	BRZ UPS43	112GRGIFL4375BF	177.66
91584910	SPC	2"	C.I. UPS53	91584910	383.67
91584911	SPC	2 1/2"	C.I. UPS53	91584911	383.67
91584912	SPC	3"	C.I. UPS53	91584912	493.29
96409354	SPC	2"	C.I. UPS50	2GRCIFLUPS	230.58
96409355	SPC	2"	BRZ UPS50	2GRBRFLUPS	1050.84
569601	SPC	3"	C.I. UPS80	3GRCIFL	655.83

NOTE:
Standard & HV Flanges are interchangeable with all manufactures.

Accessories

Thermostatic Control

Aquastat kit , 3/4" clip-on mount for 7/8" OD system piping size , 85°-105° (3/4" ID copper tubing or 1/2" steel pipe) wire, with PVC jacketed cable.

MODEL #	STOCK NO	EACH
59.5444	34GRTHCO	115.78

(21)

Flange Gaskets

MODEL #	STOCK NO	EACH
Oblong, for Isolation Flange 51.97.55.		
510231	GR510231	13.37
15/26 for 2-bolt 1 1/4" flange		
510179	GR510179	19.99

Wilo Circulator Pumps (24)

wilo-usa.com

WILO Star Residential Circulators

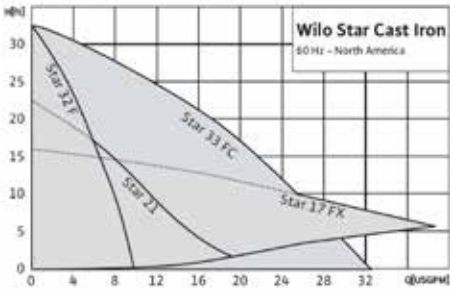
Stainless steel shaft, quick connect wiring, wet rotor design, automatically vented, single & three speed models.

CAST IRON

MODEL	FLG	SPEED	ELECTRICAL	STOCK NO	EACH
*Star 17FX**	*HV*	*Single*	*115/1*	*WI17FX*	*499.86*
Star S 21RFC	*STD*	*3 Speed*	*115/1*	*WIS21RFC*	*155.30*
Star 32F	*STD*	*Single*	*115/1*	*WI32F*	*336.12*
Star S 33 FC	*STD*	*3 Speed*	*115/1*	*WIS33FC*	*468.86*

*** Flanges Included. See pages 914 & 918 for Flange Options**





High Velocity Flanges MUST use WEG40403 Gasket when using Webstone Isolations Valves

WILO Accessories

Flanges

Includes Bolts & Nuts

MODEL	FLG	SIZE	FOR USE WITH	STOCK NO	EACH
Tops S & Stratos	*HV*	*1¼"*	*C.I.*	*WI2705104*	*44.82*
Tops S & Stratos	*HV*	*1½"*	*C.I.*	*WI2705026*	*44.82*
Tops S & Stratos	*SPC*	*2"*	*C.I.*	*WI2705027*	*113.76*

Flange Gaskets

¾"–1½"

SIZE	STOCK NO	EACH
¾" - 1½"	*WI2705014*	*15.51*
For Stratos & Top S		
1¼" x 1½"	*WI2060210*	*15.51*
2"	*WI2060211*	*15.51*

NOTE: Please see pages 914 & 918 for other flanges

Zone Valves & Air Chargers

Hydronic Zone Valves
honeywell.com

(31)
5000 Series Zone Valves V8043 Quickfit®

Straight-thru normally closed
24-volt valves with sweat connections.

PIPE SIZE	ELECTRICAL CONNECTIONS	END SWITCH	STOCK NO	EACH
¾"	18" Leads	No	V8043A5029	145.57
½"	18" Leads	SPST	V8043E5004	165.77
¾"	18" Leads	SPST	V8043E5012	174.77
1"	18" Leads	SPST	V8043E5020	197.28
* ¾"	18" Leads	SPST	V8043E5061	177.34
*1"	18" Leads	SPST	V8043E5079	199.21
¾"	Terminal Block	SPST	V8043F5036	192.02
1"	Terminal Block	SPST	V8043F5051	213.80

*8CV rating

Models	
V8043A	Leadwires
V8043E	Leadwires & End Switch
V8043F	Terminal Board & End Switch

(31)
1000 Series Zone Valves V8043 Low Voltage

Straight-thru normally closed
24-volt valves with sweat connections.

PIPE SIZE	ELECTRICAL CONNECTIONS	END SWITCH	STOCK NO	EACH
¾"	18" Leads	Yes	V8043E1012	141.26
1"	18" Leads	No	V8043A1037	202.53
*1"	Terminal Block	Yes	V8043F1101	208.76
24-volt valves with ProPress connections.				
½"	18" Leads	Yes	V8043E1411	207.36
¾"	18" Leads	Yes	V8043E1412	209.39
½"	18" Leads	No	V8043A1311	204.03
¾"	18" Leads	No	V8043A1312	206.01

*8CV rating

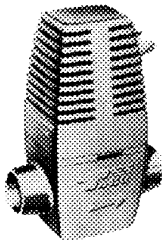
(31)
Honeywell 3-Way Zone Valve

PIPE SIZE	STOCK NO	EACH
¾"	V8044A1044	193.78

(21)
Parts for Zone Valves

STOCK NO	EACH
MH Motor	
HO82360JA	80.78
Powerhead Assembly for A-Series	
HO40003916521	182.44
Powerhead Assembly for E-Series	
HO40003916526	192.35
Powerhead Assembly for F-Series	
HO40003916548	212.06

Hydronic Zone Valves
taco-hvac.com

(24)
Taco Zone Valves

Each with its own Taco thermostat, permit accurate temperature control of individual rooms or groups of rooms in residences or commercial buildings. Exclusive heat motor functions silently. Beryllium copper metal bellows separates system water from the atmosphere for positive, leak proof operation. Easy to service replacement power head. Low voltage, heat operated valves designed for zoning hydronic heating/cooling systems.

PIPE SIZE	STOCK NO	EACH
¾"	TA571	234.00
1"	TA572	282.83

(24)
Taco Geothermal Valve
Designed for high head, open system zone control. End switch design permits control of the heat pump by the valve. This allows movement of cold water into the coil before the heat pump starts.
No. 557G • 1" sweat • 2-way

PIPE SIZE	STOCK NO	EACH
1" Sweat	TA557G2	414.07

(24)
Multi-Volt Zone Sentry Zone Valve

The Multi-Volt Zone Sentry will accept input voltages between 120 and 277VAC 50/60HZ. The Multi-Volt Zone Sentry zone valve is designed for use in hydronic HVAC systems, primarily in fan coils and air handlers or other HVAC systems where a quality line voltage zone valve is required
1" sweat • 2-way

PIPE SIZE	STOCK NO	EACH
1" Sweat	TAV100	484.84

(31)
Taco Zone Sentry Zone Valve

Flow capacity (Cv), shutoff pressure rating, diagnostic capability and the number of valves (12) that can be use on a standard 40VA transformer.

PIPE SIZE	STOCK NO	EACH
¾"	TAZ075C21	229.32
1"	TAZ100C21	263.64

Hydronic Zone Valves
resideo.com



(31)
Two-Way Globe Valve
Used for two-position or modulating control of steam water or water and glycol solutions (to 50% concentration) in heating/colling systems.

PIPE SIZE	STOCK NO	EACH
Hot Water (Direct Acting)		
¾"	V5011N1057	148.87

(31)
Actuators

STOCK NO	EACH
Valve adapter for ML actuator	
272629A	118.41

Caleffi
caleffi.com



(31)
Caleffi Zone Valve
Max body pressure: 300 psi
Working Temperature Range: 32—240°F
Water, 50% max glycol, 15 psi max steam
Press Connections • 18" leads
Designed for Zone Panel use ONLY

PIPE SIZE	STOCK NO	EACH
½" PRESS	CAZ44P	237.55
¾" PRESS	CAZ45P	241.53
1" PRESS	CAZ46P	273.33
Replacement Actuator	CAZ111000	122.26

Air Chargers
bellgossett.com


B&G Airtrol® Tank Fittings
Tank fitting provides separate passages for air to flow to the top of tank and water it displaces to flow back into pipe connections to system. Two tubes are provided for air passage. Larger tube permits air to flow into tank while smaller tube connects to a manual vent and permits initial venting. Provided with a ½" male thread for installation directly into bottom of tank and a ¾" female tapping for connection to boiler.

DIAMETER	STOCK NO	EACH
ATF-9"	BGATF9	269.60
ATF-12"	BGATF12	265.69
ATF-16"	BGATF16	265.69
ATF-20"	BGATF20	269.60
ATF-24"	BGATF24	265.69


DT-2 Drain-O-Tank® Air Charge
The Drain-O-Tank Air Charger offers a sure, quick way to recharge a water-logged compression tank.
125 PSIG Working Pressure
240°F Max. operating temperature

STOCK NO	EACH
BGDT2	88.92

Danfoss Zone Valves (24)

Suitable for all types of radiators including baseboard, convectors, free-standing radiators, or loop made up of any of these (as in apartment suites, etc.) Self-powered by means of a liquid charge, these units are independent and need no electrical wiring. The liquid in the bulb expands and contracts in accordance with room temperature and thereby modulates the supply of heat.

Type RA2000 Thermostatic Radiator Valves RA2000 Control Mechanisms

For pricing:
Add price of valve required to price of Control Mechanism

015G4290

Combined dial/operator/sensor for areas where heating unit is not obstructed by furnishing that interfere with air circulation around the sensor.



STOCK NO	EACH
RA015G4290	88.49

013G8564

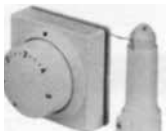
Operator with separate 6' remote dial and 6' remote sensor for use where dial must be mounted away from the valve due to enclosure design, piping or convenience considerations. The remote sensor is placed beneath the radiation or on a draft-free wall.



STOCK NO	EACH
RA013G8564	268.65

013G8562

Wall mount operator with combined remote-mounted sensor and dial. 6' cap. tube.



STOCK NO	EACH
RA013G8562	177.00

RA013G8070

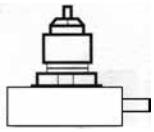
Adapters from Old Series RA Operators to new Series RA2000 Operators.



STOCK NO	EACH
RA013G8070	113.94

RA013G8072

Adapters from Old Series RAV Operators to new Series RA2000 Operators.



STOCK NO	EACH
RA013G8072	113.94

Side Mount Angle Body | Angle Body | Straight Body



Type RA2000 Hot Water/Two Pipe Low Pressure Steam

DESCRIPTION	STOCK NO	EACH
½" NPT Angle Valve Body	RA013G8014	81.39
½" NPT Straight Valve Body	RA013G8015	81.39
¾" NPT Side Mount Angle Valve Body	RA013G8018	92.79
¾" NPT Angle Valve Body	RA013G8019	92.79
¾" NPT Straight Valve Body	RA013G8020	92.79
1" NPT Angle Valve Body	RA013G8024	131.85
1" NPT Straight Valve Body	RA013G8025	131.85
1¼" NPT Angle Valve Body	RA013G8031	226.29
1¼" NPT Straight Valve Body	RA013G8032	226.29

One Pipe Low Pressure Steam

With vacuum breaker (Also requires a #41 Hoffman air Vent)

SIZE	STOCK NO	EACH
⅛" NPT	RA013G0140	159.52

Hot Water Valve

Solder Union Straight VB

SIZE	STOCK NO	EACH
¾"	RA013G8044	125.36

NOTE:
Heating Applications ONLY
If Valve Contains LEAD



Isolator Double Flanged Check

Forged Brass Check Valve, w/ Rotating Flange, Includes One Set of Mounting Bolts & Flange Gasket, Fits Standard & High Velocity Pumps.

SIZE	STOCK NO	EACH
3/4" thru 1 1/4"	WE13703HV	76.22
1 1/2" thru 2"	WE13706HV	95.23

Contains LEAD



Rotating Isolation Flanges

Press Connect • High Velocity

SIZE	FLANGE	STOCK NO	EACH
3/4"	HV	WE81403HV	76.31
1"	HV	WE81404HV	91.58
1 1/4"	HV	WE81405HV	114.46
1 1/2"	HV	WE81406HV	143.12
2"	HV	WE81407HV	214.64

Contains LEAD



Rotating Isolation Flanges

Press Connect • High Velocity with Multi-Function Drain

SIZE	FLANGE	STOCK NO	EACH
3/4"	HV	WE81413HV	106.84
1"	HV	WE81414HV	130.36
1 1/4"	HV	WE81415HV	162.93
1 1/2"	HV	WE81416HV	203.69
2"	HV	WE81417HV	305.48

Contains LEAD



Purge and Fill Valve

SIZE	STOCK NO	EACH
IPS		
3/4"	WE48613	109.03
1"	WE48614	136.27
1 1/4"	WE48615	170.26
Sweat		
3/4"	WE58613	109.03
1"	WE58614	136.27
1 1/4"	WE58615	170.26
Press		
3/4"	WE88613	121.13
1"	WE88614	151.41
1 1/4"	WE88615	189.21

Contains LEAD



Loop Purge Tee

SIZE	STOCK NO	EACH
Press		
1" x 3/4"	WE88643	191.69
1" x 1"	WE88644	212.92
1 1/4" x 1 1/4"	WE88655	387.19



Rotating Isolation Flanges

SIZE	FLANGE	STOCK NO	EACH
Flange X Sweat • LEAD FREE			
3/4"	STD	WE51403	85.86
1"	STD	WE51404	103.03
1 1/4"	STD	WE51405	128.75
1 1/2"	STD	WE51406	160.93
Flange X IPS • LEAD FREE			
3/4"	STD	WE41403	85.86
1"	STD	WE41404	103.03
1 1/4"	STD	WE41405	128.75
1 1/2"	STD	WE41406	160.93



High Velocity Rotating Isolation Flanges

SIZE	STOCK NO	EACH
Flange X Sweat • LEAD FREE		
1 1/4"	WE51405HV	128.75
1 1/2"	WE51406HV	160.93
2"	WE51407HV	241.49

SIZE	FLANGE	STOCK NO	EACH
Flange X IPS • LEAD FREE			
1 1/4"	HV	WE41405HV	128.75
1 1/2"	HV	WE41406HV	160.93



Full Port Ball Drain

SIZE	STOCK NO	EACH
Press Connect • High Flow Hose Drain • LEAD FREE		
1/2"	WE80612W	75.69
3/4"	WE80613W	100.94
1"	WE80614W	161.50
1 1/4"	WE80615W	258.35
1 1/2"	WE80616W	361.67

Contains LEAD



Full Port Ball Valve

IPS • High Flow Hose Drain and adjustable packing gland

SIZE	STOCK NO	EACH
1 1/2"	WE40616	189.88
2"	WE40617	284.82

Contains LEAD



Full Port Ball Service Valve

1/2" FIP x MIP x FIP x HOSE

Hi-Flow Hose Drain • 600 WOG

PIPE SIZE	STOCK NO	EACH
1/2"	WE41672	66.90



Rotating Flange

With Multi-Function Drain

Full port brass ball valves.

SIZE	FLANGE	STOCK NO	EACH
FLG x C • LEAD FREE			
3/4"	STD	WE51413	120.17
1"	STD	WE51414	146.65
1 1/4"	STD	WE51415	183.31
1 1/2"	HV	*WE51416HV	183.31
1 1/2"	HV	WE51416WHV	229.11
2"	HV	WE51417HV	343.67

*** Contains Lead**

Contains LEAD



Isolator Flanges

Isolator Valve

LESS Check • For UP4375 & UPS40 HV Pumps

SIZE	FLANGE	STOCK NO	EACH
Flange X IPS			
2"	HV	WE40407HV	193.21

Full Face Gasket

STOCK NO	EACH
WEG40403	1.47

NOTE:
Must use with Wilo's Strato's High Velocity Flanges



Full Port Ball Valve

IPS • 600 WOG • High Flow Hose Drain and adjustable packing gland • LEAD FREE

SIZE	STOCK NO	EACH
1 1/2"	WE40616W	253.20
2"	WE40617W	379.76



Purge Valves

Full port forged brass ball valves.

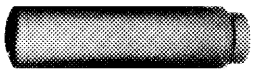
600WOG / 125WSPt • LEAD FREE

SIZE	STOCK NO	EACH
Sweat		
1/2"	WE50612	56.52
3/4"	WE50613	80.73
1"	WE50614	113.03
IPS		
3/4"	WE40613	80.73
1"	WE40614	113.03
1 1/4"	WE40615	180.83

Thermal Expansion Tanks for DHW on page 511

Hydronic Accessories (24)

Expansion Tanks



Standard Compression Tanks

- Compression tank must be absolutely air tight.
- Tanks are of black steel construction, thoroughly tested and guaranteed leakproof.
- Tanks are rustproof coated on the exterior only.

TANK CAP (GAL)	TANK DIMEN	STOCK NO	EACH
75 P.S.I. Working Pressure			
8	12x16"	8EXTA	246.92
15	12x30"	15EXTA	298.22
18	12x36"	18EXTA	321.18
24	12x48"	24EXTA	361.06
75 P.S.I.G. Working Pressing With gauge glass ½" tappings			
30	12x60"	30EXTAG	438.48
40	14x60"	40EXTAG	495.08
66	18x60"	66EXTAG	643.44
82	20x60"	82EXTAG	729.17

See Hydro-Node on page 722 for Wall Mount Applications



Extrol Compression Tanks

- For use with closed hydronic
- heating and cooling systems.
- Max. working pressure = 100 PSIG.
- Max. operating temperature = 240°F.
- Factory precharge = 12 PSIG.

SYSTEM CONN(NPT)	ACCEPTANCE VOL(GAL)	STOCK NO	EACH
½"	1.0	AM15	82.35
½"	2.5	AM30	97.98
½"	2.5	AM60	198.83
1"	11.3	AMSX30	407.86
1"	11.3	AMSX40V	444.74
1"	11.3	AMSX60	625.58
1¼"	34.0	AMSX90	1115.06
1¼"	46.0	AMSX160V	1409.54



Extrol Pro Compression Tanks

- Engineered for modern, high efficiency systems including hydronic, solar and radiant systems.
- Max. working pressure = 125 PSIG.
- Max. operating temperature = 200°F.
- Factory precharge = 15 PSIG.

SYSTEM CONN(NPT)	ACCEPTANCE VOL(GAL)	STOCK NO	EACH
½"	1.0	AMEX15PRO	104.63
½"	2.7	AMEX30PRO	124.71

(00)

Expansion Tank Tag

STOCK NO	EACH
EXTATA	2.32

(02)

Expansion Tank Support Kit

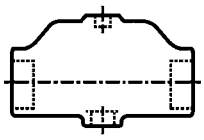
13" Max. Diameter



STOCK NO	EACH
SC5980213	10.79

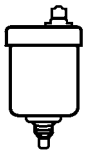
Air Purgers

amtrol.com



Amtrol Air Purgers

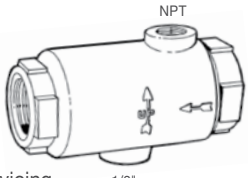
SIZE	STOCK NO	EACH
1"	AM443	52.80
1¼"	AM444	52.80
1½"	AM445	119.18
2"	AM446	131.42



Amtrol Air Vent

Float vent: up to 150 PSI

PIPE SIZE	STOCK NO	EACH
⅛"MPS	AM700C	23.84



B & G In-line® Air Separator

- Easily Installed
- Compact Design
- No Moving Parts
- Never Requires Servicing
- Efficiently Separates Air
- One Piece Cast Iron Construction

Specifically designed to efficiently separate air from circulating water in hydronic heating and cooling systems. Minimum working pressure: 175psi. Maximum operating temp. 300° F

NO.	SIZE	NPT	STOCK NO	EACH
IAS-1	1"	⅛"	BGHIAS1	59.59
IAS-1¼	1¼"	⅛"	BG114IAS	59.59
IAS-1½	1½"	¾"	BG112IAS	168.98
IAS-2	2"	¾"	BG2IAS	168.98
IAS-2½	2½"	¾"	BG212IAS	475.70
IAS-3	3"	¾"	BG3IAS	497.19

bellgossett.com



(31)

Caleffi 132 Series QuickSetter Balancing Valves

With Flow Meter

- Max. Working Pressure: 150psi
- Working Temperature Range: 14—230°F
- Max. % of Glycol: 50%

SIZE	FLOW RATE(GPM)	STOCK NO	EACH
SWEAT CONNECTIONS			
½"	0.5-1.75	CA132439	285.63
½"	2.0-7.0	CA132459	285.63
¾"	2.0-7.0	CA132559	297.14
1"	2.0-7.0	CA132659	328.52

caleffi.com

Expansion Tanks

zilmetusa.com

(24)



Zilmet Expansion Tanks with Base

- Carbon Steel Shell
- Carbon Steel Connection
- SBR synthetic rubber membrane
- Max operating pressure: 90 PSIG
- Operating temperature: 210°F
- Factory precharge: 12 PSIG
- 5 year limited manufacturer warranty
- FOR HYDRONIC USE ONLY

CAPACITY GALLONS	TANK DIA/WIDTH	TANK HEIGHT	ACCEPTANCE VOLUME (GAL)	STOCK NO	EACH
All tanks system connections are ¾" NPT					
13.2	16"	20"	8.1	ZHT50F	435.93
21.1	17.7"	23.9"	15.3	ZHT80	570.85
27.7	19.7"	26.2"	20.1	ZHT105	698.76
39.6	19.7"	35.3"	28.8	ZHT150	911.33
66.0	24.8"	37"	48	ZHT250	1305.61
79.3	24.8"	43.5"	57.7	ZHT300	1750.76

(24)



Zilmet In-line Hydronic Expansion Tanks

- Carbon Steel Shell
- Carbon Steel Connection
- SBR synthetic rubber membrane
- Max operating pressure: 90 PSIG
- Operating temperature: 210°F
- Factory precharge: 12 PSIG
- 5 year limited manufacturer warranty
- FOR HYDRONIC USE ONLY

CAPACITY GALLONS	TANK DIA/WIDTH	TANK HEIGHT	ACCEPTANCE VOLUME (GAL)	STOCK NO	EACH
All tanks system connections are ½" NPT					
2.1	8.7"	11.6"	1.4	ZHT815	92.26
4.8	11.4"	14.8"	3	ZHT1830	103.32
6.3	12.8"	16.3"	3.9	ZHT2460	141.35

(24)



Zilmet Flat Hydronic Expansion Tanks

- Pairs with a wall hung condensing boilers
- All tanks come with a welded mounting bracket & union connection with a double system check
- Welded mounting bracket & unique design allows for a quicker & less expensive installation
- Professional look to the mechanical room
- Great for tight installations
- Easier access to the boiler for maintenance

CAPACITY GALLONS	TANK DIA/WIDTH	TANK HEIGHT	ACCEPTANCE VOLUME (GAL)	STOCK NO	EACH
All tanks system connections are ½" NPT					
2.1	9.8"	3.7"	1.1	ZFT8R15	183.17
4.8	13.8"	6.2"	2.4	ZFT18R30	221.83
6.3	13.8"	7"	3.5	ZFT24R60	317.40

(24)



Zilmet In-line Hydronic Radiant Tanks

- For low temperature radiant floor systems
- All radiant tanks have a polypropylene liner to prevent corrosion due to oxygen in the system
- All tanks come with a stainless steel connector
- Suitable for use with glycol

CAPACITY GALLONS	TANK DIA/WIDTH	TANK HEIGHT	ACCEPTANCE VOLUME (GAL)	STOCK NO	EACH
All tanks system connections are ½" NPT					
2.1	7.9"	11"	1.4	ZHTR15	136.96
4.8	10.6"	13.7"	3.3	ZHTR30	153.58

Hydronic Accessories

Flow Controls

bellgossett.com

(24)

"Flo-Control"



Used in forced circulation hot water heating systems to prevent the circulation of hot boiler water when pump is not in operation and heat is not needed in the radiators.

NO & SIZE	STOCK NO	EACH
Straight-Angle - Cast Iron		
SA-¾"	BG34SA	145.50
SA-1"	BG1SA	148.54
SA-1¼"	BG114SA	195.02
SA-1½"	BG112SA	314.25
SA-2"	BG2SA	546.67

(24)

B&G Hydrotrol™ Flow Controls

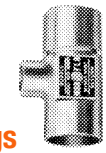


Maximum working pressure - 150 psi.
Maximum operating temperature - 250°

SIZE	STOCK NO	EACH
Brass Body		
¾" NPT	BG34HT	120.24
1" NPT	BG1HT	125.29
1¼" NPT	BG114HT	166.73

(24)

B&G "Red Ring Monoflo" Fittings



SIZE	STOCK NO	EACH
Copper		
¾ x ½"	34X12COMOT	58.60
1 x ½"	1X12COMOT	61.64
1 x ¾"	1X34COMOT	61.64
1¼ x ¾"	114X34COMOT	63.67

Combination Relief & Reducing Valves



(24)

Dual Unit Valves

Reducing Valve Set at 12 PSIG
Relief Valve Set at 30 PSIG

SIZE	BODY	STOCK NO	EACH
Relief and reducing			
½" NPT	Iron	BG128	242.51
Reducing only			
½" NPT	Brass	BG12B38	143.49
½" NPT	Brass	BG12FB38	152.58
¾" NPT	Brass	BG34B712	215.23

Pressure Reducing Valves

watts.com

(18)

Water Pressure Reducing Valves



- Union inlet and integral strainer.
- Bronze body construction.
- Renewable stainless steel seat and built-in by-pass check valve.
- Initial pressures up to 300 lbs.
- Max. temp. 180° F.

SIZE	STOCK NO	EACH
U5B - Reduced Range 25-75 lbs.		
½"	WA12U5B	1197.54
¾"	WA34U5B	1090.80
1"	WA1U5B	2131.08
1¼"	WA114U5B	5028.63
1½"	WA112U5B	4881.14
2"	WA2U5B	5573.08
U5BLP - Reduced Range 10-35 lbs.		
½"	WA12U5BLP	1301.55
¾"	WA34U5BLP	1502.25

(18)

No. LF25AUB Competitive Water Pressure Reducing Valve

For supply water pressures up to 300 lbs and can be adjusted from 25 to 75 lbs. Bypass feature. Max. temp 180° F.

SIZE	STOCK NO	EACH
½"	WA1225AUB	335.83
¾"	WA3425AUB	341.32
1"	WA125AUB	496.64
1¼"	WA11425AUB	890.60
1½"	WA11225AUB	1337.59
2"	WA225AUB	1610.29

(18)

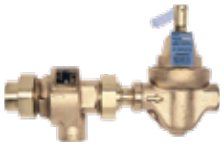
Apollo Pressure Reducing Valve With Fast Fill



SIZE	PSI	STOCK NO	EACH
Swt Union x Thread			
½"	10-25	AP3570301	231.59
NPT x NPT - No Union			
½"	10-25	AP3560301	214.23

(18)

Apollo Backflow Preventer & Pressure Reducing Valve



PIPE SIZE	STOCK NO	EACH
½"	AP356H3BF	469.72

(31)

AutoFill Filling Valve



Max. Working Pressure: 230psi
Working Temperature Range: 150°F
Pressure Setting Range: 3—60psi
½" NPT Male x ½" NPT Female

SIZE	STOCK NO	EACH
½"	CA553542A	130.21

Relief Valves

(24)

No 10-407 Conbraco ASME Side Outlet Relief Valve



Pressure Range: 30 PSI

NO	SIZE	STOCK NO	EACH
10-407	¾"	34REVA30	48.74

(18)

335 Series A.S.M.E. Tested and Rated Hot Water Boiler Safety Relief Valve



For boilers up to 510,000 BTU at 30 PSI.
All bronze construction.
These valves feature a stainless steel spring, high heat resisting silicone disc, and bronze seat.

SIZE	BODY	STOCK NO	EACH
¾"	Bronze	WA34335	52.58

(18)

Apollo Pressure Relief Valves



ASME rated

SIZE	RELIEF CAP'Y MBH	STOCK NO	EACH
30 PSI rating			
¾" x 1"	827	AP1060405	224.78
1" x 1"	1339	AP1060505	383.72
1½ x 2"	3696	AP1061705	983.04
50 PSI rating			
¾" x ¾"	1209	AP1060410	224.78
1" x 1"	1956	AP1060510	383.72

NEW ITEM



(24)

Caleffi - Series 573

AutoFill™, Automatic filling valve with backflow preventer and pressure gauge
Automatic filling valve with backflow preventer and pressure gauge Pre-adjustable automatic filling valve with backflow preventer.
Temperature Range 40-150°F • Adjustable Pressure Range 30-60 psi

PIPE SIZE	STOCK NO	EACH
½" Press	CA573016A	264.38



3450 Combination Boiler Feed & Backflow Valve

Combines a cartridge style backflow preventer with a pressure regulating cartridge style boiler feed valve into a unique one piece body configuration. Taco's 3450 combination dual check backflow with atmospheric vent and boiler feed valve includes purge auto-reset, dial in pressure setting and adjustable indicator.
Maximum inlet pressure, 150 psi.

DESCRIPTION	STOCK NO	EACH
½" NPT x ½" Union Sweat.	TA3450	191.00

Hydronic Accessories (24)

Hoffman Air Vents
hoffmanspecialty.com



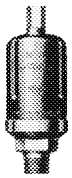
No. 77 Water Vent
- Size Conn: ⅛" straight shank
- Max. Operating Pressure: 35 PSIG
- Max. Temperature: 230 Fah.

STOCK NO	EACH
HO77	94.31



No. 508 Air Valve
- Size Conn: ⅛" straight shank
- Max. Water Pressure: 50 PSI

STOCK NO	EACH
HO508	32.32



No. 79 Water Main Vent Valve
- Built-in Check Valve
- Size Conn: ½" female x ¾" male
- straight shank.
- Max. Operating Pressure: 75 PSI
- Will withstand hydrostaticpressures of 200 PSI

STOCK NO	EACH
HO79	279.73

Caleffi
caleffi.com



(31)
DIRTMAG Magnetic Dirt Separator
- Max. Working Pressure: 45psi
- Working Temperature Range: 32—195°F
- Max. % of Glycol: 30%

SIZE	STOCK NO	EACH
NPT CONNECTION		
1" NPT	CANA545306	239.18



Boiler Trim Kit
NEW ITEM
- (1) Caleffi DISCAL® air separator: 1" press connection
- (1) Backflow preventer: ½" NPT, sweat or press union
- (1) AutoFill™
- (1) Expansion tank check valve
- (2) Brass nipples: 3"
- (1) NPT brass tee
- (1) Expansion tank

STOCK NO	EACH
CANA553366	648.05

Coin Key Air Vents On Page 717

B&G Air Vents
bellgossett.com



Air Vent
Automatic air vents are desiged to vent the accumulation of troublesome air whenever it can be trapped. 240 F. Max. operating temperature.

MODEL	PSI	CONNECTION	STOCK NO	EACH
No.7	75 PSI	⅛" F	BG7	126.31
No.67	35 PSI	⅛" M	BG67	73.76

Spirovent
spirotherm.com



Spiro-Vent Quad Air, Dirt & Hydraulic Separator with Low Loss Headers.
Brass body, Non-ferrous float, brass vent head & blow down valve. Engineered Spirotube® coalescing media Neodymium magnets. Maximum pressure: 150 PSI. Maximum temperature: 270°.

SIZE	MAX FLOW(GPM)	STOCK NO	EACH
IPS CONNECTION			
1"	10	VDX100FT	712.48
1¼"	15	VDX125FT	820.61
1½"	30	VDX150FT	1027.57
2"	40	VDX200FT	2116.02
FLANGED ASME			
2"	60	VDX200FA	5434.60
2½"	90	VDX250FA	5640.31
3"	140	VDX300FA	7173.41
4"	240	VDX400FA	7627.24
PRESS FIT			
1"	10	VDX100PF	804.84
1¼"	15	VDX125PF	965.33
1½"	30	VDX150PF	1260.20
2"	40	VDX200PF	1686.19



Spiro-Vent Air Eliminator/Dirt Separator

SIZE	MAX FLOW(GPM)	STOCK NO	EACH
IPS CONNECTION With Magnet			
¾"	6	VDR075FTM	342.18
1"	10	VDR100FTM	563.60
1¼"	15	VDR125FTM	469.53
1½"	30	VDR150FTM	587.41
2"	40	VDR200FTM	815.54
PRESS FIT With Magnet			
¾"	6	VDR075PFM	399.22
1"	10	VDR100PFM	427.73
1¼"	15	VDR125PFM	563.44
1½"	30	VDR150PFM	638.74
2"	40	VDR200PFM	895.37

Taco Air Vents
taco-hvac.com



Taco Hy-Vent
High capacity float type vent ideal for use on large air separating equipment

SIZE	STOCK NO	EACH
¼" male	TA426	84.52

Spirovent
spirotherm.com



Spiro-Vent Air Eliminator
For residential and light commercial jobs. Solid brass. Female threads. ½" tapping at bottom to accomodate a bladder-type compression tank. Maximum pressure: 150 PSI. Maximum temperature: 270°.

SIZE	MAX FLOW(GPM)	STOCK NO	EACH
JUNIOR • IPS CONNECTION			
¾"	6	VJR075FT	148.93
1"	10	VJR100TM	167.02
1¼"	15	VJR125TM	230.76
1½"	30	VJR150TM	300.62
2"	40	VJR200TM	376.79
JUNIOR • PRESS FIT			
¾"	6	VJP075TM	171.30
1"	10	VJP100TM	200.41
1¼"	15	VJP125TM	288.45
1½"	30	VJP150TM	390.81
2"	40	VJP200TM	508.65
SENIOR • IPS CONNECTION			
2"	45	VSR200MT	1960.05
2½"	70	VSR250MT	2178.18
3"	95	VSR300MT	3139.60
4"	170	VSR400MT	3372.21
SWEAT CONNECTION			
¾"	6	VJS075TM	148.93
1"	10	VJS100TM	167.02
1¼"	15	VJS125TM	230.76



Spiro-Vent Junior Repair Head

STOCK NO	EACH
PJR000HA	82.59



Spiro-Vent Quick Release Air Valve
½" FPT and ¾" MPT combination thread.

STOCK NO	EACH
VTP050FT	93.19

Heating Accessories (24)

slantfin.com

Slant/Fin "Hydro-Flex" Flexible Metal Hose Assemblies



Sweat coupling x 8" flex-hose x 9" copper tubing.

SIZE	STOCK NO	EACH
No 600		
½"	12600FLCO	42.88
1"	1600FLCO	78.83

FLEXPIPE

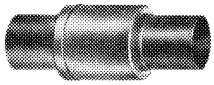


Used to carry hot water or oil.
"Flexpipe" absorbs line vibration, takes up piping travel and connects outlets which do not line up.

Custom Assemblies Available AT MAX. WORKING P.S.I.

PIPE SIZE X LENGTH	AT ROOM TEMP.	MAX. WORKING P.S.I. AT MAX. TEMP. 350 FAH.	STOCK NO	EACH
Stainless Steel with Carbon Steel Ends				
½ x 10"	735	595	12X10FLCO	73.36
¾x 11"	595	480	34X11FLCO	89.11
1 x 12"	460	370	1X12FLCO	100.52
1¼ x 15"	430	345	114X15FLCO	158.67
1½ x 15"	410	350	112X15FLCO	146.16
2 x1 5"	480	410	2X15FLCO	204.31
2½ x 18"	390	335	212X18FLCO	346.13
3 x 18"	250	215	3X18FLCO	416.23

Expansion Joints



Model HB - Copper Piping Systems
2" stroke - 1¾" compensation; ¼" extension • Maximum operating temperature - 400°F. • Maximum working pressure - 200 psi • Maximum test pressure - 300 psi • Fittings - copper female sweat ends • Stainless steel billows and shroud, copper tube ends

Model H - Steel Piping Systems
Stroke - 1¾" compensation; ¼" extension (total stroke 2") • Maximum operating temperature - 750°F. • Maximum working pressure - 200 psi Maximum test pressure - 300 psi • Fittings - male thread ends Stainless steel billows , steel shroud and fittings

SIZE	STOCK NO	EACH
Model HB - Sweat		
¾"	HB075FFS	172.25
1"	HB100FFS	201.06
1¼"	HB125FFS	235.28
Model H - I.P.T.		
¾"	34HEXCO	188.01
1"	1HEXCO	218.98
1¼"	114HEXCO	251.59
1½"	112HEXCO	316.25
2"	2HEXCO	437.41
2½"	212HEXCO	510.77

IntaKlean2 Magnetic Dirt Separator



- Can be mounted vertically, horizontally or diagonally
- Dual removable stainless steel mesh filters
- 11,000 Gauss magnet in dry-well
- Easy access for adding up to 16 oz of treatment fluids at a time
- 5 year manufacturer's warranty

SIZE	STOCK NO	EACH
1" Press	IK210P	413.17
1¼" Press	IK211P	464.68

Xmag - Magnetic System Hub



A magnetic filter, dirt separator, chemical dosing point, manual and automatic de-airating function.

- Quick and Efficient Servicing Schedule
- Self Closing Filter Basket for Easy Debris Removal
- Multiple Inlet Configurations to Suit Many Installations
- Manual and Automatic Air Venting
- Mesh Particle Filtration Down to 100 Microns

SIZE	STOCK NO	EACH
2" NPT	XM20	3829.22

McDonnell Miller Controllers (24)

mcdonnellmiller.com



(24)

Liquid Flow Switches

FS1 . . . . . .High sensitivity for low flow conditions, Nema 1", ½" NPT.
FS4-3 . . . . .General purpose, HVAC and process work, Nema 1", 1-6" NPT.
FS4-3T3 . . . .FS4-3 with 1" tee, low flow, Nema 1", 1-6" NPT.
FS43T2¾ . . .FS4-3 with ¾" tee, medium flow, Nema 1", 1-6" NPT.
FS5-1 High sensitivity for low flow conditions suitable for water or water and petroleum base compound mixtures, Nema 1", 1" NPT.
FS6-1 . . . . . .Same as above, 1" NPT.
FS7-4 . . . . . .Industrial service; process liquids, Nema 1", 1¼"-16"†.
FS8-W . . . . .HVAC and process work, Nema 4X*, 1-6" NPT.
*Nema 1 . . . .General purpose enclosure. Protects against falling dirt. Not dust-proof or splash proof.
*Nema 4X . . .Water tight, dust tight and corrosion resistant.
† . . . . . .Paddle available for larger diameter pipe (up to 36").

Call for quotation.

MAX. PRESS. P.S.I.	MAX. TEMP. (F)	MATERIALS WETTED*	STOCK NO	PRICE
100	225	A,B,C	FS1	614.91
150	300	A,D,E	FS43	376.35
150	250	A,G,H	FS51	628.95
100	225	A,B,C	FS61	968.30
300	300	A,B,F,J,K	FS74	1033.36
150	225	A,D,E	FS8W	488.62

BoilerMag (24)

boilermag.com

Boilermag Residential Filter



- Install/Clean in minutes, protects for years
- Dual flow technology – filters twice on one pass
- Includes automatic air vent to automatically release trapped air
- Guaranteed no block
- Removes both magnetic and non-magnetic debris
- Fits in line and has 360° adjustment
- Easy access for chemical dosing
- Features 1" NPT threaded valves (1.25" NPT adaptors included)
- Comes with Boilermag 3 year warranty

SIZE	STOCK NO	EACH
1" NPT	BMR	358.11
Flushing Attachment		
For use with BMR	BMFA1	8.09

Boilermag Commercial Filter



- Easy to install and clean
- Fits standard 1½" connections
- Dual flow technology – filters twice on one pass
- Guaranteed no block
- Removes both magnetic and non-magnetic debris
- High collection capacity
- Comes with Boilermag 10 year warranty

SIZE	STOCK NO	EACH
1½" NPT	BMXL	1614.26



No 47 Water Feeder

Most widely used feeder cut-off combination for the closed steam heating system boiler up to 5000 sq. ft. capacity.
Has time-saving Quick hook-up Fittings for installation in gauge glass tappings, and Self-Closing Blow-off Valve. No. 47 is boiler feeder only, without cut-off switch.
Maximum boiler pressure, 25psi.
Maximum water supply pressure, 150 psi.

STOCK NO	EACH
MM47	*2002.93*
No 47 with switch	
MM472	*2398.41*



No 51-2 Feeder Cut-off Combination

Has larger feeding capacity than the No. 47-2, for steam boilers above 5000 sq. ft. capacity, and for hot water boilers.
Maximum boiler pressure, 35 psi.
Maximum water supply pressure, 150 psi

STOCK NO	EACH
MM512	*2948.27*



No 67 Series Low Water Cut-off

This is the most widely used control of its kind. It interrupts electrical service to the burner when the water level falls below the prescribed cut-off level. The "Quick Hook-up" fittings permit installation in the boiler gauge glass tappings, a feature which positions the control properly and provides correct reproduction of the boiler water level in the float chamber and gauge glass.
For boilers of any size.
Maximum steam pressure, 20 psi.

STOCK NO	EACH
MM67	*988.71*

No 64 Low Water Cut-off

This control is compact in size and built for the pressures encountered in hot water service. They utilize the McDonnell No. 11 Switch, which provides an extra switch, operating at a different level, for low water alarm. Both controls can be used for steam service, and differ only in method of installation. Requires 1" NPT equalizing pipes.
For boiler of any size.
Maximum boiler pressure, 50 psi.

STOCK NO	EACH
MM64	*1107.35*



No 764 Low Water Cut-off

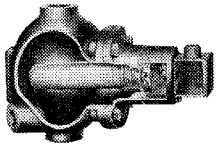
Designed with 2½" NPT side tapping for installation with close nipple in 2½" tapping available on some hot water boilers.
Can also be used on steam service.
Has same construction and operation as No. 64, utilizing McDonnell No. 11 Switch.
For boiler of any size.
Maximum boiler pressure, 50 psi.

STOCK NO	EACH
MM764	*1095.88*

"Built-in" Low Water Cut-offs

For installation 2½" NPT tappings provided by some boiler manufacturers. Selection of the particular model depends upon the insertion length into the boiler. Order the "Built-in" that provides max insertion length within the boiler.
For boilers of any size.
Maximum steam pressure, 20 psi.

INSERTION LENGTH	STOCK NO	EACH
4⅛"	*MM69*	*778.21*



No 61 Low Water Fuel Cut-off

For installation on boilers where "Quick Hook-up" fittings cannot be used. Installed with 1" steam and water equalizing lines, and requires a separate blow-off valve.
For boilers of any size.
Maximum steam pressure, 20 psi.

STOCK NO	EACH
MM61	*1100.98*
2½" pipe tap opening in body	
MM767	*871.34*



No 63 Low Water Fuel Cut-off

For Hot Water Heating Boilers and Steam Heating Boilers.
Available with manual reset cut-off switch.
Control can be tested on a hot water boiler by gently inserting a screwdriver or similar tool in the test opening below the switch and simulating a low water condition.
Maximum steam pressure, 50 psi.

STOCK NO	EACH
MM63	*1320.41*
With manual reset	
MM63M	*1320.41*
Test and Check	
MMTC4	*1351.03*



PS851/751 Series Electronic Probe Level Control

Utilizes an electrode inserted into the liquid, and the conductivity of the liquid, to complete the circuit to ground.
When the boiler water drops below the probe, the control automatically breaks the electrical circuit to the burner.

STOCK NO	EACH
With Manual Reset	
MM751PMT120	*710.11*

101A Electric Water Feeder



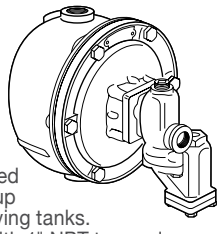
The No. 101A Electric Water Feeder has the same packless construction, straight-thrust valve action and built-in strainer perfected in other McDonnell Feeders. It closes tight against supply pressures up to 150 psi.

For Oil Boilers
The standard No. 101A Electric Water Feeder is furnished with 120VAC coil.

For Gas Boilers
The No. 101A is also available with low voltage coil and companion transformer for use on gas fired boilers having 24 volt control circuits.

VOLTS	STOCK NO	EACH
115	MM101A	1083.12
24	MM10124V	1428.84

No. 25A Make-up Water Feeder



A dependable float-operated feeder used to add make-up water to condensate receiving tanks. It is mounted to the tank with 1" NPT top and bottom equalizing lines and feeds water through a separate pipe, permitting anti-syphon air gap. Has large capacity, with composition valve disc and Monel seat.

STOCK NO	EACH
MM25A	2451.99

Mercury FREE Controllers



No. 42S Pump Controller and Low Water Cut-Off

Construction is completely packless.
Installed with 1" NPT equalized pipes.
For boilers of any size.
Maximum boiler pressure, 50 psi.

STOCK NO	EACH
MM42S	1789.88

No. 150S High Pressure Pump Control, Cut-Off & Alarm

For steam boilers of any size up to 150 lbs. steam pressure. Manual or automatic reset.

RESET	STOCK NO	EACH
Automatic	MM150S	1979.96
Manual	MM150SM	1979.96

No. 157S

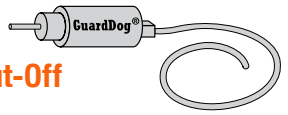
Same as 150 except with integral water column.

EQUALIZING TAPPINGS	GAUGE GLASS TRICOCK TAPPINGS	STOCK NO	EACH
1"	½"	MM157S	2594.88

(21)

No. 14 Blow-Off Valve

STOCK NO	EACH
MM14	413.68



No. RB-24 Low Water Cut-Off

24 volt. Auto Reset

STOCK NO	EACH
MMRB24E	281.95
For Use with Lochinvar	
MMRB24EL	297.26



No. RB-122 Low Water Cut-Off

VOLTAGE	STOCK NO	EACH
120v	MMRB122E	284.50

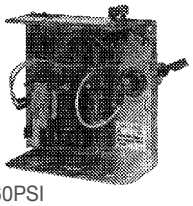
Note: We carry parts in stock for McDonnell Miller feeders, cut-offs & pump controls.



Low Water Cut-Off

With Wiring Harness

STOCK NO	EACH
1100	173.99
With Manual Reset	
1100M	213.84



Safgard 120 Volt Low Water Cut-Offs

Model 650 - Max. pressure 160PSI
Input voltage: 120VAC, 60hz.
Features a test buttom and indicating light.
Button interrupts the burner circuit to simulate a lower water condition.

STOCK NO	EACH
650SV	317.80
With manual reset	
550SV	331.28

Safgard 24 Volt Low Water Cut-Offs

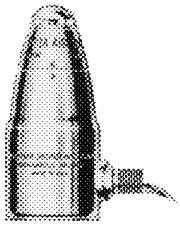
Model 600 - Max. pressure 160PSI
Input voltage: 24 Volt.
Features a test buttom and indicating light.
Button interrupts the burner circuit to simulate a lower water condition.

STOCK NO	EACH
600SV	317.80
With manual reset	
500SV	331.28

Hoffman Steam Air Vents (24)

hoffmanspecialty.com

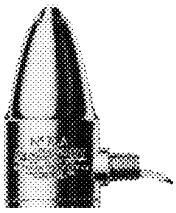
No 1A Air Valve



- A float-type vent with adjustable port for true proportional venting.
- Port settings from (#1) slow to (#6) fast venting.
- Operating Press: up to 1½ PSI
- Max. Press: 10 PSI

SIZE CONN	STOCK NO	EACH
⅛" Angle	HO1A	104.91

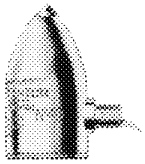
No 70A Air Valve



- A float-type vent with a single non-adjustable port.
- This valve meets Federal Specification WW-V-151 for Type 1 Non-Adjustable Valves.
- Operating Press: up to 11 PSI
- Max. Press: 15 PSI

SIZE CONN	STOCK NO	EACH
⅛" Angle	HO70A	176.36

No 40 Air Valve



- A float-type vent with a single non-adjustable port.
- For use on ordinary one-pipe system not requiring proportional venting.
- Operating Press: up to 6 PSI
- Max. Press: 10 PSI

SIZE CONN	STOCK NO	EACH
⅛" Angle	HO40	61.45

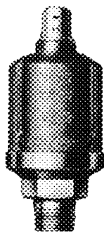
No 41-43-45 Air Valve



- Single-port, straight-shank vent for small steam systems.
- Angle cut of telescopic siphon tube assures positive drainage.
- Max. Press: 10 PSI

SIZE CONN	STOCK NO	EACH
⅛" Straight	HO41	93.24

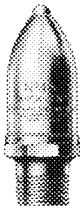
No 75 Air Valve



- Float-type vents, each with single non-adjustable port for relieving air from the mains of medium and large size systems.
- Size Conn: ½" female x ¾" male straight shank
- Operating Press: up to 3 PSI
- Max. Press: 15 PSI

STOCK NO	EACH
HO75	273.38

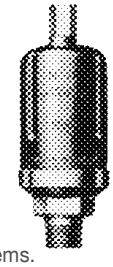
No 4A Air Valve



- A float-type vent with single non-adjustable port for use as a main vent on residential and other small one-pipe or two-pipe steam systems.
- Size Conn: ½" female x ¾" male straight shank
- Operating Press: up to 2 PSI
- Max. Press: 10 PSI

STOCK NO	EACH
HO4A	119.73

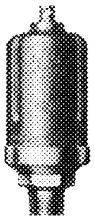
No 76 Vacuum Valves



- Float-type vents, each with single non-adjustable port for relieving air from the mains of medium and large size one-pipe vacuum systems.
- Size Conn: ½" female x ¾" male straight shank
- Operating Press: up to 3 PSI
- Max. Press: 15 PSI

STOCK NO	EACH
HO76	459.88

No 74 Steam Unit Heater Air Valve



- Float-type vent with single non-adjustable port especially designed for use with Steam Unit Heaters.
- Vents air, when present, with rising, dropping, or steady pressure.
- Size Conn: ½" female x ¾" male straight shank
- Operating Press: up to 35 PSI
- Max. Press: 35 PSI

STOCK NO	EACH
HO74	291.40

No 62 Steam Vacuum Breaker



- Designed for use on closed vessels and piping systems to control induced vacuum within safe limits.
- Factory set to open at 2" (mercury) vacuum
- Adjustable from ¼" to 20" (mercury) vacuum
- Size Conn: ¾" IPS straight shank
- Max. Operating Press: 150 PSI

STOCK NO	EACH
HO62	253.29

Hot Water Accessories

Radiator Valves



(24)

IPS Angle Radiator Valve

Hot water angle valve with "sleeve-type closing" for gravity hot water heating installations.

SIZE	STOCK NO	EACH
½"	12ARAVA	24.60
¾"	34ARAVA	32.25
1"	1ARAVA	50.69
1¼"	114ARAVA	70.69



Sweat Radiator Angle Valve

Heavy-duty forged brass construction.
Screwed bonnet,
rising stem & bronze disc.
Pressure Rating: 60 Hot Water Non-Shock

SIZE	STOCK NO	EACH
Sweat Angle Pattern		
½"	12SWTARAVA	24.60
¾"	34SWTARAVA	32.25



Union Elbow

With female inlet and male union
for gravity hot water heating installations.

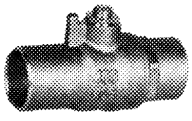
SIZE	STOCK NO	EACH
½"	12RAL	10.67
¾"	34RAL	16.01
1"	1RAL	26.71
1¼"	114RAL	42.74



Union Elbow

Male union and sweat connection for use on gravity jobs, also where supply valve is adjusted.

SIZE	STOCK NO	EACH
½"	12TSRAL	10.67
¾"	34TSRAL	16.01



Balancing Fittings

Two-piece
Sweat x Sweat
Slotted Stem

SIZE	STOCK NO	EACH
½"	12SBAVA	13.32
¾"	34SBAVA	18.93
1"	1SBAVA	31.42

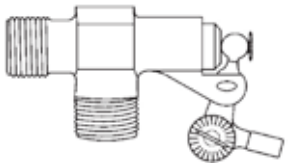
Steam Accessories

Bob Float Valves (24)

Bob Float Valves and Accessories

- Maintains water level at which the valve is set.
- Ratchet arrangement of the actuating lever makes it easy to adjust the valve to any desired level by raising or lowering the float ball.
- Thumbscrew holds ratchet in place.
- The threaded outlet shank permits the addition of a threaded nipple to control the outlet spraying and also makes it possible to install the valve higher in the tank.
- The plunger of the valve, which consists of all the parts that are subject to any wear, can be removed as a unit.
- All float valves are equipped for both hot and cold water service.

R400 Float Valves



- High Capacity - Heavy Duty
- Red Brass Body
- Adjusting Arm Tapped ¼-20 Thread
- Buna-N-Disc Standard

PIPE SIZE INLET/OUTLET	FREE DISCHARGE 35 PSI	FLOW CAPACITY 85 PSI	STOCK NO	EACH
⅜" MIP	9 GPM	13 GPM	38R400	56.52
½" MIP	12 GPM	22 GPM	12R400	59.27
¾" MIP	21 GPM	39.9 GPM	34R400	76.30
1" MIP	43.5 GPM	68.5 GPM	1R400	120.09

Brass Stems



Male Thread Both Ends ¼-20SAE

DESCRIPTION	STOCK NO	EACH
10" Length	14X10R450	13.77

Stem and Swivel Assembly



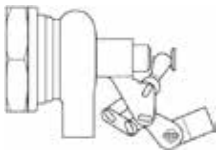
DESCRIPTION	STOCK NO	EACH
¼"-20x10"	14X10R380	34.34

Seamless Copper Floats



FLOAT DIA	BOUYANCY IN LBS	FEMALE SPUD CONNECTION	STOCK NO	EACH
3"	.34	¼-20 SAE	R4403	49.55
4"	.80	¼-20 SAE	R4404	64.38
5"	1.73	¼-20 SAE	R4405	92.90
6"	3.26	¼-20 SAE	R4406	120.29

R610 Float Valves



- High Capacity - Heavy Duty
- Compound Lever
- Rotating Plunger
- Adjusting Short Arm Tapped ⅛" FIP

INLET	PIPE SIZE OUTLET	FREE DISCHARGE FLOW CAPACITY 35 PSI	85 PSI	STOCK NO	EACH
1¼" FIP	Free Flow	112 GPM	180 GPM	114R610	226.95
1½" FIP	Free Flow	112 GPM	180 GPM	112R610	242.34
2" FIP	Free Flow	112 GPM	180 GPM	2R610	303.89

Brass Bushing

R209 - Stem to Float Brass Bushing

DESCRIPTION	STOCK NO	EACH
⅜" x ⅛" IPS	38X18R209	5.15

Brass Stems



Male Thread Both Ends - ⅛ MIP

DESCRIPTION	STOCK NO	EACH
12" Length	18X12R455	32.57

Seamless Copper Floats



FLOAT DIA	BOUYANCY IN LBS	FEMALE SPUD CONNECTION	STOCK NO	EACH
7"	5.72	⅜" FIP	R4407	167.60
8"	8.03	⅜" FIP	R4408	262.32
10"	16.66	½" FIP	R44010	524.16

MEPCO Low Pressure Radiator Traps



Cast brass body and cover, non-corrosive working parts, and thermostatic discs. Applicable for pressures from 25" Hg vacuum to 25 PSI. Seats with large opening to prevent clogging. Stop shoulder construction of disc permits individual calibration for correct operation and field interchangeability without field adjustment. Volatile fluid in disc is sealed under a high vacuum to provide uniform expansion over the entire operating range. Removable seats.

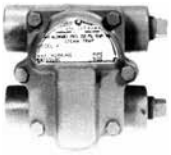
SIZE & PATTERN	STOCK NO	EACH
½" Tapping Angle	121EASS	142.52
½" Tapping Straight	121ESSS	180.83
¾" Tapping Angle	342EASS	189.30
1" Tapping Angle	13CASS	238.84

No 1R

With removable Seat

SIZE & PATTERN	STOCK NO	EACH
½" Tapping Angle	121RA	184.99

Series 44 H-Type Float and Thermostatic Traps



Combines advantages of Float Trap and Thermostatic Trap. This simple, rugged trap has monel float valve and seat, and all working parts are of non-corrosive material that can be removed, inspected or repaired without disturbing piping. Flat valve on thermostatic disc with large seat opening assures maximum venting with minimum clogging and seat wear. Operating pressures to 15 PSI.

SIZE	STOCK NO	EACH
1"	144415	334.96
2"	2308A	1472.15

TD600 Series Thermodynamic Steam Trap



- NPT Connection
- High Pressure up to 600 PSGI
- Suitable for superheated steam 800°F
- Hardened stainless steel seat and disc.

SIZE	STOCK NO	EACH
½"	TD60012N	458.06
¾"	TD60013N	614.43
1"	TD60014N	845.03



Thermostatic Steam Traps

- Excellent air handling capability
- In-line repairable
- Stainless steel seat.
- Welded stainless steel thermal element
- High thermal efficiency
- Operating pressures to 25 PSI.

SIZE & PATTERN	STOCK NO	EACH
½" Tapping Angle	TA25B12N	139.00
½" Tapping Straight	TS25B12N	157.95
¾" Tapping Angle	TA25B13N	219.55
¾" Tapping Straight	TS25B13N	249.56



IB Series Inverted Bucket

- Waterhammer resistant
- Suitable for superheated steam (use internal check valve option to eliminate loss of prime)
- In-line repairability is simplified by having all internals attached to the cover
- Valve & seat are located at the top of the trap body making them less prone to clogging from debris and pipe scale
- Stainless steel with hardened valve & seat
- Operating pressure 20 PSI

SIZE	STOCK NO	EACH
Without Strainer		
½"	IB103112N20	273.25
¾"	IB103113N20	273.25
With Strainer		
½"	IB104112N20	314.32
¾"	IB104113N20	314.32

FT Series H-Type Float and Thermostatic Traps



- H-pattern design allows piping from either side of the steam trap (there are two inlet ports at top and two outlet ports at bottom)
- F&T traps have excellent air handling capability allows air to be discharged rapidly and steam to enter the system quickly during start-up
- Welded stainless steel thermostatic air vent resists shock from waterhammer
- In-line repairable (all internals attached to cover)
- Operating pressures to 15 PSI.

SIZE	STOCK NO	EACH
¾"	FT301513N	434.36
1"	FT401514N	513.34
1¼"	FT601515N	619.16
1½"	FT701516N	900.32
2"	FT801517N	1641.10

Steam Angle Radiator Valve



Heavy-duty bronze construction.
Pressure Rating: 15 W.S.P. 60 Hot Water Non-Shock

SIZE	STOCK NO	EACH
I.P.S. Angle Pattern		
¾"	34ARAVASTM	35.75
1"	1ARAVASTM	48.33
1¼"	114ARAVASTM	63.91
1½"	112ARAVASTM	96.20

Radiator Valve Handle



STOCK NO	EACH
SINGLE LUG	
110170	1.72

No 17-C Hoffman Angle Radiator Trap



½" pipe connections.
Body, cap, nut and tailpiece of high quality brass.
Stainless steel thermostat and pin.
Seat is constructed of a non-corrosive alloy to give long life under actual service conditions.
Thermostat and seat are both renewable.
Stainless steel seat available.

SIZE	STOCK NO	EACH
½"	HO17C	206.25

Hoffman Float and Thermostatic Traps



- Instantaneous Heaters
- Storage Heaters
- Steam Humidifiers
- Steam-jacketed Vessels
- Unit Heaters
- Sterilizers

PSI	SIZE	STOCK NO	EACH
15	¾"	34FT015H	513.49

Note: We carry parts for Radiator Float and Thermostatic Traps.

WSSCV Series Stainless Steel Check Valves



- Seam welded
- NPT or Socket Weld Inlet
- 316 Stainless Steel Body and Internals
- Spring assisted closing of check valve
- Operating pressures to 500 PSIG.

SIZE	STOCK NO	EACH
½"	WSSCV12N0	178.48
¾"	WSSCV13N0	221.13
1"	WSSCV14N0	276.41
1¼"	WSSCV15N0	410.67
1½"	WSSCV16N0	514.92
2"	WSSCV17N0	699.72

Barnes & Jones Products (21)

barnesandjones.com

(21)
Cage Units with Cover

SIZE	BARNES & JONES CAGE UNIT	STOCK NO	EACH
DUNHAM-BUSH			
½"	1950	BJ1950	76.55
¾"	1990	BJ1990	76.55
HOFFMAN			
½"	3500	BJ3500	76.55
¾"	3507	BJ3507	76.55
TRANE			
¾"	4322	BJ4322	76.55
WARREN WEBSTER			
¾"	1998	BJ1998	93.07

(21)
Repair Kits

MODEL	STOCK NO	EACH
BARNES & JONES		
RK2015-5	BJRK20156	515.92
HOFFMAN		
FT-53	BJFT53	209.81
TRANE		
66CL	BJ66CL	338.31

(24)
Straight Thermostatic Trap

SIZE	STOCK NO	EACH
½"	BJ122S	133.00

(24)
Angle Thermostatic Trap

SIZE	STOCK NO	EACH
¾"	BJ134A	149.77

(24)
Float & Thermostatic Trap

SIZE	STOCK NO	EACH
¾"	BJFT20153	234.69

(24)
Buckett Trap

SIZE	STOCK NO	EACH
¾"	BJ80003125	206.09

Bypass Feeders (24)

jlwingert.com



(24)
J.L. Wingert
Dome Bottom Bypass Feeder

- 2.39/6.30 Gallon capacity.
- 200 psi.
- 200° F.

¾" Inlet & outlet, ¾" drain.

GALLONS	STOCK NO	EACH
2.39	DB2HD	1147.50
6.30	DB5HD	1377.00



CBF-2



CBF-5

(40)
Chemical By-Pass Feeders

- Allows for safe and easy chemical dosing
- Ball valves for easy chemical dosing and pot feeder isolation
- Graduated funnel with stainless steel filter for clean, accurate, and mess free chemical addition
- Pressure vessel and fittings made with brass and carbon steel
- 2 Gallon (7.6L) models comes with wall bracket
- 5 Gallon (18.9L) model comes with adjustable steel legs

SIZE	VOLUME	MAX PRESSURE	STOCK NO	PRICE
¾"	2 Gallon	265 psi	AXCBF2	601.48
¾"	5 Gallon	265 psi	AXCBF5	820.56



(40)
Digital Mini System Feeder

Tank for storage & mixing of system make-up fluid

SIZE	STOCK NO	PRICE
4.5 Gallon	AXDMF150	931.47

Steam Accessories





(24)
Self-Cleaning Water Gauge

Less rods and glass.
Rough brass-house heating type.
Set contains (2) pieces.

SIZE	GLASS SIZE	STOCK NO	EACH
½"	⅝"	12WAGA	246.83
¾"	¾"	34WAGA	320.92



(21)
Water Gauge Glass

Standard

LENGTH	STOCK NO	EACH
⅝" O.D.		
10"	58X10GAGL	41.86
12"	58X12GAGL	41.86
14"	58X14GAGL	45.81
15"	58X15GAGL	47.99
16"	58X16GAGL	47.99
18"	58X18GAGL	52.70
20"	58X20GAGL	66.22
24"	58X24GAGL	66.22
30"	58X30GAGL	88.92
36"	58X36GAGL	99.94
48"	58X48GAGL	138.59
¾" O.D.		
16"	34X16GAGL	99.94
20"	34X20GAGL	127.43

Red Line

LENGTH	STOCK NO	EACH
⅝" O.D.		
12"	58X12RGAGL	173.91
14"	58X14RGAGL	185.72
16"	58X16RGAGL	210.05
18"	58X18RGAGL	233.78
24"	58X24RGAGL	325.81
36"	58X36RGAGL	631.23
¾" O.D.		
16"	34X16RGAGL	271.50
20"	34X20RGAGL	353.46
36"	34X36RGAGL	842.18

NEW ITEM



(02)
Titan Brass Y-Type Pipe Strainer

- Lead Free
- Press x Press
- WOG 200 PSI @ 100°F
- 250°F Max Service Temperature

Model YS 57-NB

SIZE	STOCK NO	EACH
½"	12PRBYSTI	37.06
¾"	34PRBYSTI	49.71
1"	1PRBYSTI	71.94
1¼"	114PRBYSTI	98.97
1½"	112PRBYSTI	142.13
2"	2PRBYSTI	229.32

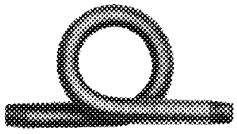
(21)
Gauge Glass Gaskets

SIZE	STOCK NO	EACH
⅝"	2715004	.76
¾"	34GAGLGA	.33

(24)
Coppered Guard Rods

3/16" O.D.

LENGTH	STOCK NO	EACH
10"	316X10RO	11.81
12"	316X12RO	12.47
14"	316X14RO	15.03
16"	316X16RO	15.03
18"	316X18RO	16.08
20"	316X20RO	16.71
22"	316X22RO	17.89
24"	316X24RO	17.89
26"	316X26RO	19.28
38"	316X38RO	22.61
50"	316X50RO	29.17



(24)
Steam Gauge Siphon

DESCRIPTION	STOCK NO	EACH
Standard Steel		
¼" Straight	14SPISY	14.35
¼" Angle	14APISY	13.31
X.H. Steel		
¼" Straight	14XHSPISY	27.05
¼" Angle	14XHAPISY	38.27



Compression Gauge Try Cocks

With Stuffing Box
Tested for Pressure to 2000 lbs.

DESCRIPTION	STOCK NO	EACH
½"	12GACO	93.89
¾"	34GACO	105.98



(35)
Trerice No. 735-2 Needle Valve

- ¼" NPT Connection.
- Brass body and seat.
- Brass stem.
- Max. operating pressure (PSI hydraulic): 2000.
- Maximum operating temperature: 300°F.
- Teflon packing.

STOCK NO	EACH
7352	12.50
LEAD FREE	
7352PBF	24.31

TRERICE





(02)
Y-Type Pipe Strainer

"S" Pattern full flow
Iron Body • IMPORT

SIZE	PLUG TAPPING	STOCK NO	EACH
Semi-steel 250 lbs. S.W.P. screwed			
½"	¼"	12YST	16.48
¾"	⅜"	34YST	21.06
1"	⅜"	1YST	25.64
1¼"	¾"	114YST	37.54
1½"	¾"	112YST	54.95
2"	1"	2YST	73.71
2½"	1½"	212YST	146.52
3"	1½"	3YST	184.98
316 Stainless Steel 600 lbs.			
½"	¼"	12SS600YST	171.44
¾"	⅜"	34SS600YST	207.85
1"	⅜"	1SS600YST	309.58
125 lbs. S.W.P. flanged			
2½"	1"	212FYST	171.69
3"	1"	3FYST	202.37
4"	1½"	4FYST	331.94
5"	2"	5FYST	524.70
6"	2"	6FYST	686.79
8"	2"	8FYST	1159.29

(02)
Y-Type Pipe Strainer

"S" Pattern full flow • ANSI Class 125
Eco-Brass • IMPORT • Lead Free

SIZE	PLUG TAPPING	STOCK NO	EACH
Threaded - WOG (Non-shock): 200 PSI @ 150°F			
⅜"	¼"	38BYSTI	30.23
½"	⅜"	12BYSTI	30.23
¾"	⅜"	34BYSTI	51.35
1"	½"	1BYSTI	69.57
1¼"	½"	114BYSTI	129.61
1½"	½"	112BYSTI	168.95
2"	½"	2BYSTI	299.40
2½"	½"	212BYSTI	490.73
Solder - WOG (Non-shock): 400 PSI @ 100°F			
½"	⅜"	12SBYSTI	30.23
¾"	⅜"	34SBYSTI	51.35
1"	½"	1SBYSTI	69.57
1¼"	½"	114SBYSTI	129.61
1½"	¾"	112SBYSTI	168.95
Solder - WOG (Non-shock): 315 PSI @ 100°F			
2"	1"	2SBYSTI	299.40

20M Replacement Screens

SIZE	STOCK NO	EACH
½"	12YSTSC	8.60
¾"	34YSTSC	11.21
1"	1YSTSC	12.92
1¼"	114YSTSC	14.65
1½"	112YSTSC	18.08
2"	2YSTSC	30.15

Steam Accessories

Condensate & Boiler Feed Pumps (24)

Sterlco 4100 Series
Condensate Unit



Sterlco® atmospherically vented condensate tanks are designed for pumping hot condensate throughout the steam system.

- Capable of pumping hot condensate up to 200°F
- Heavy gauge steel receivers
- 115-1-60 Voltage, Simplex construction
- Bronze fitted centrifugal pumps
- Energy efficient 3450 RPM motors
- Automatic venting
- "Sterl-Seal" ceramic pump seal (250°F)
- Heavy-duty float switch

2" Inlet • ¾" Discharge • 1¼" Overflow • ½" Drain • 1¼" Vent (All NPT)

CAPACITY SQ. FT. EDR	DISCHARGE PRESSURE	PUMP CAPACITY	MOTOR HP	REC. CAPACITY GALLONS	STOCK NO	EACH
8,000	20 PSI	12 GPM	⅓ Simplex	8	ST4028G	2161.38

Sterlco 4100 Series			
Model	H	L	W
4028-G	12½	21½	12½
4128-GMX-30	18⅜	28	22
4128-GMX-45	26⅜	28	22
4128-GMX-60	28⅜	28	28

Sterlco 4100 Series
Boiler Feed Units



Sterlco® atmospherically vented boiler feed tanks are designed to supply water to the boilers to maintain water supply at various operating loads .

- Capable of pumping hot condensate up to 200°F
- Heavy gauge steel receivers
- 115-1-60 Voltage, Simplex construction
- Bronze fitted centrifugal pumps
- Energy efficient 3450 RPM motors
- Automatic venting
- "Sterl-Seal" ceramic pump seal (250°F)
- Heavy-duty make-up water valve
- Guage glass tapping's

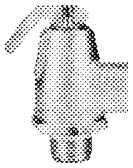
2½" Inlet • ¾" Discharge • 2" Overflow • ½" Drain • 2" Vent (All NPT)

BOILER HP	DISCHARGE PRESSURE	PUMP CAPACITY	MOTOR HP	REC. CAPACITY GALLONS	STOCK NO	EACH
30	20 PSI	12 GPM	⅓ Simplex	30	ST4128GMX30	2776.92
45	20 PSI	12 GPM	⅓ Simplex	45	ST4128GMX45	3378.43
60	20 PSI	12 GPM	⅓ Simplex	60	ST4128GMX60	4322.77

Conbraco Low Pressure Heating Boiler Safety Valves (24)

apollovalves.com

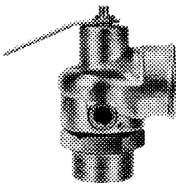
13-200 Series



- All bronze construction
- Flat seat and teflon faced disc for positive seal and non-sticking
- Top guided and high capacity
- Positive drainage of condensate from seat area
- Standard set pressure of 15 psi

MODEL	INLET NPT	OUTLET NPT	PRESS LBS./HR	STOCK NO	EACH
13-211	¾" Male	¾" Female	475	34POSAVA	121.19
13-202	1" Male	1" Female	643	1POSAVA	126.36
13-213	1¼" Male	1½" Female	1200	114POSAVA	214.16
13-214	1½" Male	2" Female	1900	112POSAVA	284.12

12-200 Series

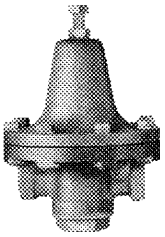


- For use on medium and large size commercial and industrial steam and processing boilers
- High Capacity
- All brass construction
- Teflon coated "O" ring seat seal
- Rust proofed steel spring
- ⅜" NPT side tapping for drain

MODEL	INLET NPT	OUTLET NPT	PRESS LBS./HR	STOCK NO	EACH
12-205	2"	2"	2500	2POSAVA	626.43
12-206	2½"	2½"	3529	212POSAVA	927.03
12-208	3"	3"	4100	3POSAVA	1193.74

Watts (18)

watts.com



No 152A
Process Steam Pressure Regulator

This standard priced regulator is capable of handling the majority of lower volume process requirements for either saturated, wet, or super-heated steam. Body is of cast iron, with stainless steel disc, seat and strainer.

SIZE	REDUCED RANGE LBS	STOCK NO	EACH
¾"	3-15	WA34152A3	2187.46

Trerice Pressure Gauges stocked with Brass ¼" NPT bottom connection

500XB Series



Case:
Cast aluminum, black finished. (Back flange standard).
Movement:
Stainless Steel, rotary type.
Accuracy:
0.5% of scale range
Bourdon Tube/Socket:
Phosphor bronze tube, silver brazed to forged brass socket & tip. ¼" NPT standard or optional ½" NPT, for ranges 30" vac up to 1000 psi.

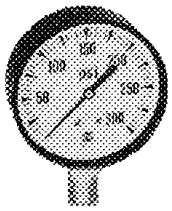
RANGE P.S.I.	STOCK NO	EACH
4½" Dial		
0-30	500XB4502LA090	135.42
0-60	500XB4502LA100	135.42
0-100	500XB4502LA110	135.42
0-160	500XB4502LA120	135.42
0-200	500XB4502LA130	135.42
0-300	500XB4502LA140	135.42

500XB Series Compound Gauge

Inches of HG to PSI.

RANGE P.S.I.	STOCK NO	EACH
4½" Dial		
30"-30	500XB2502LA030	135.42

Hydraulic Gauges Stem Mount



Size:
2"
Case:
Drawn steel, black corrosion resistant paint
Movement:
Brass
Bourdon Tube:
Phosphor bronze, soft soldered
Connection:
¼" ANPT, brass.

RANGE OZ	STOCK NO	EACH
0-100	P500100	5.95

(2)
Plastic Pressure Gauge



¼" MIP Connection.

RANGE P.S.I.	STOCK NO	EACH
2" Dial		
0-100	IPG10024BNL	4.35

(2)
Water Level Gauge



¼" NPT Connection.

RANGE P.S.I.	STOCK NO	EACH
4½" Dial		
0-390' H_2O	IPG45WL	21.59

Trerice Pressure Gauges stocked with Brass ¼" NPT bottom connection

620B Series



304 Stainless steel case, stem-mounted flangeless window. Brass tube & socket.
¼" NPT bottom connection.

RANGE P.S.I.	STOCK NO	EACH
4½" Dial		
0-15	620B4502LA080	29.54
0-30	620B4502LA090	29.54
0-60	620B4502LA100	29.54
0-100	620B4502LA110	29.54
0-160	620B4502LA120	29.54
0-200	620B4502LA130	29.54
0-300	620B4502LA140	29.54
0-400	620B4502LA150	29.54

450SS Series Process Gauge



- Stainless steel Movement
- Wetted parts
- 316 SS tube and socket
- Case is fiberglass reinforced polypropylene
- Accuracy ± 0.5% full scale
- Maximum temperature 250°F.

Bottom connection ½" NPT.

RANGE P.S.I.	STOCK NO	EACH
4½" Dial		
0-100	450SS4504LA110	139.95
0-300	450SS4504LA140	139.95

Trerice Pressure Gauges stocked with Brass ¼" NPT bottom connection

800B Series Pressure Gauge



LEAD FREE
Used where inexpensive light weight gauges are preferred for indicating pressures on air, water, oil or any pressure medium that does not attack brass. Drawn steel—black finished.

RANGE P.S.I.	STOCK NO	EACH
2½" Dial		
0-15	800B2502LA080LF	14.77
0-30	800B2502LA090LF	14.77
0-60	800B2502LA100LF	14.77
0-100	800B2502LA110LF	14.77
0-160	800B2502LA120LF	14.77
0-200	800B2502LA130LF	14.77
0-300	800B2502LA140LF	14.77
4" Dial		
0-15	800B4002LA080LF	26.35
0-30	800B4002LA090LF	26.35
0-60	800B4002LA100LF	26.35
0-100	800B4002LA110LF	26.35
0-160	800B4002LA120LF	26.35
0-200	800B4002LA130LF	26.35
0-300	800B4002LA140LF	26.35

Tridicator Combination Pressure & Temperature Gauges



Designed specifically for use with hot water boilers providing both temperature and pressure measurements. Only one ½" NPT access point to the boiler is required. 3" Dial Size with steel, black painted case. Bronze tube and brass socket

CONNECTION	STOCK NO	EACH
Temp: 30°- 250°F • Pressure: 0 - 75 psi/kPa		
½" NPT Bottom	PTC14401	86.79
½" NPT Rear	PTC14601	52.49
Temp: 30°- 250°F • Pressure: 0 - 200 psi/kPa		
½" NPT Bottom	PTC14405	86.79
½" NPT Rear	PTC14605	52.49

800B Series Compound Gauge

LEAD FREE

Vacuum in Inches—pressure in Pounds

DIAL	RANGE P.S.I.	STOCK NO	EACH
2½"	30-100	800B2502LA050LF	14.77
4"	30-30	800B4002LA030LF	26.35

800B Series Vacuum Gauge

LEAD FREE

Inches of HG.

DIAL	RANGE P.S.I.	STOCK NO	EACH
2½"	30-0	800B2502LA010LF	14.77
4"	30-0	800B4002LA010LF	26.35



760B Low Pressure Gauge

LEAD FREE - Max Temp 140°F

Black finished steel case with lower connection.

DIAL	RANGE P.S.I.	STOCK NO	EACH
2½"	20-10	760B2502LT715	62.94

Trerice Pressure Gauges stocked with Brass ¼" NPT bottom connection



D80 Series Pressure Gauge

LEAD FREE

Stainless steel case (liquid fill).

DIAL	RANGE P.S.I.	STOCK NO	EACH
2½"	0-15	D82LFB2502LA080LF	28.17
2½"	0-30	D82LFB2502LA090LF	28.17
2½"	0-60	D82LFB2502LA100LF	28.17
2½"	0-100	D82LFB2502LA110LF	28.17
2½"	0-160	D82LFB2502LA120LF	28.17
2½"	0-200	D82LFB2502LA130LF	28.17
2½"	0-300	D82LFB2502LA140LF	28.17



Trerice Pressure Snubber

With brass body and bronze core ¼" connection.
Pressure range 0 to 1000 Lbs.

STOCK NO	EACH
For Air & Gasses	
8721	11.37
For Water, Steam, Gasoline & Light Oils	
8722	11.37
LEAD FREE • For Air & Gasses	
8721PBF	15.00

D37 Series - Test "Pete's" Plug

Allows taking of pressure or temperature readings quickly and eliminates need for leaving costly gauges or temperature indicators on the line. Only pressure and temperature test plug with two self-closing valves, now with a male-female interaction which speeds valve closure.

¼" or ½" NPT 1½" long brass body
Nordel Valve material

SIZE	STOCK NO	EACH
¼"	D3741	9.09
½"	D3742	11.14
LEAD FREE		
¼"	D3741PBF	11.14
½"	D3742PBF	12.27

GA18

Guage adapter with ⅛" 340ss probe.
Probe guard included.

SIZE	STOCK NO	EACH
⅛"	D3747	29.77



B831X Series Dial Thermometers

This Series Thermometer is furnished with the Thin Line Case for compactness and without the recalibrator for tamper proof operation and economy.
Case: Type 3BM Series Stainless Steel, highly polished, hermetically sealed.
Accuracy: 1% of full scale
Connection: Rear ½" NPT is standard.

RANGE FAH.	STOCK NO	EACH
B831X02 - 3"Dial, 2½" stem		
20° - 250°	B831X0205	55.89
50° - 500°	B831X0208	55.89
B831X04 - 3" Dial, 4" stem		
20° - 250°	B831X0405	55.89
B831X06 - 3" Dial, 6" stem		
20° - 250°	B831X0605	55.89
50° - 550°	B831X0608	55.89
B831X24 - 3" Dial, 24" stem		
20° - 240°	B831X2405	142.68

76 Series

Well for Dial Thermometers

FOR THERM.	STOCK NO	EACH
2½" stem	764D2	36.80
4" stem	764G2	42.71
6" stem	764J2	68.39
24" stem	764WK6	150.52
LEAD FREE		
2½" stem	764D2PBF	58.16
4" stem	764G2PBF	66.34
6" stem	764J2PBF	105.42



BX9 Series Adjustable Industrial Thermometer

Adjustable Angle-9" Scale less separate socket.

RANGE FAH	STOCK NO	EACH
BX9-1-403—3½" Stem		
-40° - 110°	BX9140301	68.16
0° - 100°	BX9140302	68.16
0° - 160°	BX9140304	68.16
30° - 180°	BX9140306	68.16
30° - 240°	BX9140307	68.16
30° - 300°	BX9140308	68.16
BX9-1-406—6" Stem		
0° - 100°	BX9140602	82.93
30° - 240°	BX9140607	82.93

3-4F Series

3½" Brass Socket

STOCK NO	EACH
34F2	11.37
LEAD FREE	
34F2PBF	22.26

3-4F Series

3½" 304 Stainless Steel • Well 3/4" NPT

STOCK NO	EACH
34F5	123.61

3-4FD Series

6" Stem with 2½" Extension

STOCK NO	EACH
34JD2	27.72
LEAD FREE	
34JD2PBF	58.16



SX9 Series Adjustable Angle Solar Thermometer

Features a rugged cast aluminum case, easy to read LCD display and an adjustable-angle stem that is fully interchangeable with industrial liquid-in-glass thermometers.
Requires no external power and needs only 10 lux of illumination to operate.
Min/Max feature provides instant recall of temperatures and is easily reset.

RANGE FAH	STOCK NO	EACH
-50° - 300°	SX9140305	92.70



HT Series Industrial Thermometer Hydro-Therm Series

Case:
5½" scale size cast aluminum with lustrous metallic gold finish.
Brass case can be furnished when specified.
½" NPT brass thermowell included.

RANGE FAH	STOCK NO	EACH
HT30 Straight - with socket		
-40° - 110°	HT3041	33.86
30° - 240°	HT3047	33.86
HT31 Angle - with socket		
-40° - 110°	HT3141	33.86
30° - 240°	HT3147	33.86



435 Series Industrial Thermometer Econ-O-Therm Series

Case:
5½" scale size cast aluminum with lustrous metallic gold finish.
Brass case can be furnished when specified.

RANGE FAH	STOCK NO	EACH
4530 Straight - less socket		
30° - 300°	435010208	80.66
4532 Angle - less socket		
30° - 300°	435210208	80.66

Econo ThermoWell

Brass • 3-3C2 • For Use with 435 Series

SIZE	STOCK NO	EACH
½" NPT x 2"	33C2	17.73
LEAD FREE		
½" NPT x 2"	33C2PBF	21.59

AprilAire Controls & Thermostats

aprilaire.com

NEW ITEM



Whole-House Manual Humidifier Control Humidistat

- Outdoor Temperature Sensor
- Low Voltage 24VAC

STOCK NO	EACH
APRIL56	269.43

NEW ITEM



Digital Whole-House Auto Humidifier Control Humidistat

- Outdoor Temperature Sensor
- Low Voltage 24VAC

STOCK NO	EACH
APRIL60	352.86

NEW ITEM



Digital Whole-House Steam Humidifier Control Humidistat

- Outdoor Temperature Sensor
- Low Voltage 24VAC

STOCK NO	EACH
APRIL62	352.86

AprilAire

NEW ITEM



Digital Wall Mount Dehumidifier Control

- Displays RH and controls to an RH value
- Remote control for crawlspace applications and sealed attics
- Wall anchors and screws included

STOCK NO	EACH
APRIL76	377.57

NEW ITEM



Wi-Fi Programmable Color Touch Screen, Indoor Air Quality Thermostat

- Saves you money on energy costs – Through proper use of the programmable settings
- Offers Event-Based™ Air Cleaning – When paired with a Whole-Home AprilAire Air Purifier, this feature allows you to clean your home's air on your terms
- Offers humidity or air freshness control options
- Works with Amazon Alexa & Google Assistant
- Remote monitor & control capabilities with AprilAire Wifi Thermostat App on iOS & Android
- Outdoor Temperature Sensor, wall anchors and screws included

STOCK NO	EACH
APRIL8920W	1214.16

NEW ITEM



Programable Thermostat

- Air filter and HVAC system service reminders
- Heat Blast® option raises room temp. 3° to 5° F
- 5-year warranty
- Includes wiring labels, wall anchors, screws, & 2 AA batteries

7 Day Programmable or Non-Programmable

STOCK NO	CONVENTIONAL	EACH
S84N1H1C	1H/1C	163.42

NEW ITEM



Programable Thermostat with IAQ Control

- Programmable settings
- Event-Based™ Air Cleaning – When paired with an AprilAire whole-house air purifier, this feature allows you to clean your home's air on demand
- IAQ Control – Humidity and ventilation control

STOCK NO	CONVENTIONAL	IAQ RELAY	EACH
S86WMUPR	2H/2C	4H/2C	408.56

ArmaFlex Pipe Installation

Fire retardant flexible black rubber tube helps retard heat gain and prevent condensation or frost formation on cold water plumbing, chilled water and refrigeration lines. It also efficiently reduces heat flow for hot water plumbing, liquid-heating and dual temperature piping. Recommended temperature range is -40 to +220 F. Furnished in 6' Lengths.

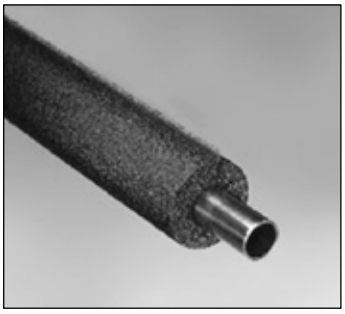
O.D. SIZE & PIPE COVERING SIZE	NOMINAL SIZE	I.P.S.	STOCK NO	PRICE PER FOOT
½" Thick				
⅜" I.D.	¼"	—	38AR	1.58
½" I.D.	⅜"	¼"	12AR	1.69
⅝" I.D.	½"	⅜"	58AR	1.86
¾" I.D.	⅝"	—	34AR	1.92
⅞" I.D.	¾"	½"	78AR	2.08
1⅛" I.D.	1"	¾"	118AR	2.33
1⅜" I.D.	1¼"	1"	138AR	2.56
1⅝" I.D.	1½"	1¼"	158AR	2.94
2⅛"	2"	—	218AR	3.75
2" I.P.S.	—	2"	238AR	5.00
2⅝" I.D.	2½"	—	258AR	5.07
3⅛"	—	—	318AR	5.96
3⅝"	—	—	358AR	7.85
⅜" Thick				
1⅛" I.D.	1"	¾"	118X38AR	1.75
1⅝" I.D.	1½"	1¼"	158X38AR	2.46

Armaflex II Sheet Insulation

For low to medium temperature. Offers high insulation efficiency, high resistance to water vapor and ease of application. May be applied to metal surfaces with temperatures up to 180° F. Temperatures below zero may require multiple layers. Useful for insulating large tanks of all shapes ductwork, irregular vessels and large piping. Fire retardant.

SIZE	STOCK NO	PER SHEET
3' x 4' x ½" thick.	3X4ARSH	44.99

Imcolock Pipe Insulation



HIGHLY UV RESISTANT

Pre-slit and pre-glued closed cell polyolefin foam, pre-mitered to 45° angle. Thermal conductivity of 0.24. Tear strength 45 P.S.I. Will not embrittle at -40 F. and can be used with temperature as low as -100 F. Upper limit 210 F. Greatly reduces probability of poor joints, dripping condensate and energy losses. All sizes 25/50 flame and smoke rated. Furnished in 6' lengths.

INSULATION I.D.	COPPER NOMINAL	I.P.S.	STOCK NO	PER FT
¾" Thick				
1⅝"	1½"	1¼"	158X34PRSLPC	4.06
2"	—	1½"	2X34PRSLPC	4.75
2⅛"	2"	—	218X34PRSLPC	5.22
2⅜"	—	2"	238X34PRSLPC	6.01
2⅝"	2½"	—	258X34PRSLPC	6.87
2⅞"	—	2½"	212X34PRSLPC	7.56
3⅝"	3½"	3"	358X34PRSLPC	10.11
½" Thick				
⅝"	½"	⅜"	58X12PRSLPC	1.09
⅞"	¾"	½"	78X12PRSLPC	1.23
1"	—	¾"	34X12PRSLPC	1.22
1⅛"	1"	—	118X12PRSLPC	1.40
1⅜"	1¼"	—	138X12PRSLPC	1.63
1⅝"	1½"	1¼"	158X12PRSLPC	1.92

Adhesives

No 520 Armaflex

DESCRIPTION	STOCK NO	EACH
Pint	PTRUAD	33.23
Quart	QTRUAD	49.83

(18)

Adhesive Brush

DESCRIPTION	STOCK NO	EACH
1"	1DOBR	4.11

KNAUF

"This is my insulation."®

"Fiberglass" Pipe Covering

Fire Resistant, All Service Jacket
Self-sealing Lap, 3' Lengths—1" thick

SIZE (IPS & NOMINAL COPPER)	STOCK NO	PER FT
3/8" IPSx1" (1/2" CTS)	38FI	4.64
1/2" IPSx1" (3/4" CTS)	12FI	4.64
3/4" IPSx1" (1" CTS)	34FI	5.05
" IPSx1" (1 1/4" CTS)	1FI	5.39
1 1/4" IPSx1" (1 1/2" CTS)	114FI	5.83
1 1/2" IPSx1"	112FI	6.28
2" IPSx1"	2FI	6.78
2" CTSx1"	218FI	6.78
2 1/2" IPSx1"	212FI	7.74
2 1/2" CTSx1"	258FI	7.74
3" IPSx1"	3FI	8.29
3" CTSx1"	318FI	8.29
4" IPSx1"	4FI	10.96
6" IPSx1"	6FI	13.09

Accessories

PVC Tape

STOCK NO	EACH
1X100PVTA	15.24
112X100PVTA	22.87

PVC Sheet

.020 Mil
35 1/2" x 102'

DESCRIPTION	STOCK NO	EACH
Full Roll	12X102PVSH	569.47
Cut to Measure, per ft.	12FTPVSH	5.94

ASJ Tape

All-Service-Jacket

STOCK NO	EACH
3150ASJTA	76.14



Snap Form Insulated Fitting Jackets

One-piece PVC

Note:
On hot lines the surface temperature of the insulation must be less than 150 F.

Iron Pipe Size	1/2"	OCF	1"	1 1/2"	2"	2 1/2"	3"	3 1/2"
3/8"	#2		#7	#9				
1/2"	3		7	10	#12	#15	#17	#18
3/4"	4	#5	7	10	12	15	17	18
1"	5		9	11	13	15	17	18
1 1/4"	6	7	9	12	13	15	17	18
1 1/2"	7		10	12	15	17	18	19
2"	9		11	13	15	17	18	19
2 1/2"	10		12	15	17	18	19	20
3"	11		13	15	17	18	19	20
3 1/2"	12		15	17	18	19	20	21
4"	13		15	17	18	20	20	21
5"	15		17	18	19	21	21	22
6"	17		18	19	20	22	22	23

Copper Tube Size	Actual O.D.	1/2"	OCF	1"	1 1/2"	2"	2 1/2"	3"	3 1/2"
3/8"	1/2"			#5	#9	#11	#13	#15	
1/2"	5/8"	#2	#3	7	9	11	13	15	
3/4"	7/8"	3	3	7	10	12	15	17	#18
1"	1 1/28"	4	5	7	10	12	15	17	18
1 1/4"	1 3/8"	5	5	9	11	13	15	17	18
1 1/2"	1 5/8"	6	7	9	12	13	15	17	18
2"	2 1/8"	8	9	10	12	15	17	18	19
2 1/2"	2 5/8"	9	10	11	13	15	17	18	19
3"	3 1/8"	10	11	12	15	17	18	19	20
3 1/2"	3 5/8"	11	11	13	15	17	18	19	20
4"	4 1/8"	12	13	15	17	18	19	20	21
5"	5 1/8"	14	15	17	18	19	20	21	22
6"	6 1/8"	16	17	18	19	20	21	22	23

Snap Form Jacket

PCS. PER CTN.	SHORT RADIUS —90 ELBOW— STOCK NO	EACH	*VALVE OR TEE STOCK NO	EACH
50	7PVIL	4.36	7PVIT	7.59
50	9PVIL	5.54	9PVIT	9.90
50	10PVIL	6.99	10PVIT	11.72
25	11PVIL	8.45	11PVIT	14.58
25	12PVIL	9.85	12PVIT	17.53
25	13PVIL	12.99	13PVIT	23.30
25	15PVIL	22.80	15PVIT	37.88
25	18PVIL	38.56	18PVIT	81.66

*Valve and tee fittings are the same.
Cut out the top of a valve fitting to make a tee fitting.



Standard Galvanized T&C

SIZE	STOCK NO	FOOT
A-53F CW		
1/4"	14GSTC	20.07
3/8"	38GSTC	31.44
1/2"	12GSTC	5.25
3/4"	34GSTC	6.37
1"	1GSTC	8.52
1 1/4"	114GSTC	12.06
1 1/2"	112GSTC	13.92
2"	2GSTC	19.25
2 1/2"	212GSTC	29.17
3"	3GSTC	38.20
4"	4GSTC	55.05

Standard Galvanized P.E.

SIZE	STOCK NO	FOOT
A-53F CW		
1/4"	14GSPE	26.84
1/2"	12GSPE	4.61
3/4"	34GSPE	5.46
1"	1GSPE	7.99
1 1/4"	114GSPE	11.35
1 1/2"	112GSPE	10.63

XH Galvanized

SIZE	STOCK NO	FOOT
A-53F CW		
1/2"	12GSXHPE	6.55
3/4"	34GSXHPE	10.13
1"	1GSXHPE	13.64

Black Standard T&C

SIZE	STOCK NO	FOOT
A-53F CW		
1/8"	18BSTC	20.66
1/4"	14BSTC	14.64
3/8"	38BSTC	24.42
1/2"	12BSTC	3.32
3/4"	34BSTC	4.14
1"	1BSTC	5.25
1 1/4"	114BSTC	7.34
1 1/2"	112BSTC	8.18
2"	2BSTC	11.30
2 1/2"	212BSTC	17.77
3"	3BSTC	22.64
4"	4BSTC	31.87

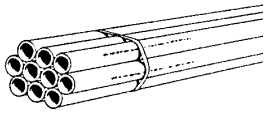
Black - P.E.

SIZE	STOCK NO	FOOT
A-53F CW		
1/4"	14BSPE	10.83
3/8"	38BSPE	13.75
1/2"	12BSPE	2.93
3/4"	34BSPE	3.63
1"	1BSPE	4.71
1 1/4"	114BSPE	6.01
1 1/2"	112BSPE	7.13
3 1/2"	312BSPE	38.16

X-H Black P.E.

SIZE	STOCK NO	FOOT
A-53F CW		
1/4"	14BSXHPE	12.83
3/8"	38BSXHPE	18.95
1/2"	12BSXHPE	4.14
3/4"	34BSXHPE	5.28
1"	1BSXHPE	6.76
1 1/4"	114BSXHPE	9.81
1 1/2"	112BSXHPE	10.54
2"	2BSXHPE	15.34
2 1/2"	212BSXHPE	20.19
3"	3BSXHPE	26.94
4"	4BSXHPE	34.96

Mastic and Tape are on page 1927



Schedule 10 Lightweight Black Grooved

SIZE	STOCK NO	FOOT
2"	2BSLWGR	8.03
2 1/2"	212BSLWGR	12.09
3"	3BSLWGR	12.72
4"	4BSLWGR	15.70
6"	6BSLWGR	29.85

Schedule 40 Seamless-Black P.E., GR B

SIZE	STOCK NO	FOOT
A53 / A106 / API-5L • 21' Length		
1/4"	14BSA1SPE	12.26
3/8"	38BSA1SPE	16.39
1/2"	12BSA1SPE	8.43
3/4"	34BSA1SPE	9.75
1"	1BSA1SPE	12.94
1 1/4"	114BSA1SPE	16.97
1 1/2"	112BSA1SPE	18.96
Single Random Length		
2"	2BSSPE	26.10
2 1/2"	212BSSPE	36.00
3"	3BSSPE	47.07
4"	4BSSPE	67.05

Schedule 80 Seamless-Black- P.E., GR B

SIZE	STOCK NO	FOOT
A53 / A106 / API-5L • 21' Length		
1/2"	12BSXHA1SPE	9.63
3/4"	34BSXHA1SPE	11.64
1"	1BSXHA1SPE	16.49
1 1/4"	114BSXHA1SPE	21.36
1 1/2"	112BSXHA1SPE	25.12
Single Random Length		
2"	2BSXHSPE	32.63
2 1/2"	212BSXHSPE	49.35
3"	3BSXHSPE	63.69
4"	4BSXHSPE	93.10

Minneapolis Machine Shop Capabilities

Carbon Steel Pipe	
Threaded	⅛" – 8"
Roll Grooved	1¼" – 12"
AGS Roll Grooved	14" – 42"
Cut Grooved	1" – 12"
Stainless Steel Pipe	
Threaded	½" – 3"
Sch. 10 Roll Grooved	2½" – 6"
Sch. 40 Cut Grooved	2" – 6"
Copper Pipe	
Roll Grooved	2" – 6"
Band Saw Cuts	
Square Cuts	⅛" – 18"
Pipe Beveling	
⅛" – 12"	

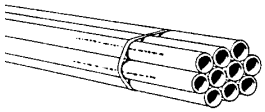
Minimum Charge for Shop work is $10.00

$50.00 Minimum if you supply your own pipe.

- For each piece threaded or grooved both ends – Charge 3 labor charges.
- For each piece threaded or grooved one end – Charge 2 labor charge.
- For each piece plain ends – Charge 1 labor charge for cut.
- For each make-on – Charge 1 labor charge.
- ½" to 2" running threads – Charge 1 labor charge for each inch of running thread.
- 2½" to 12" running threads – Charge 1 labor charge for each 1½" of running thread.
- Threading or cutting pipe furnished by customer – Price on application

For Cuts, Threads, Grooves and Make-Ons

Size	Net Labor Charge
⅛ – ¾"	1.88
1"	1.88
1¼"	2.63
1½"	2.63
2"	2.63
2½"	3.75
3"	4.50
3½"	5.25
4"	5.25
5"	6.75
6"	7.50
8"	10.50
10"	11.25
12"	22.50
14"	28.00
16"	35.00
18"	44.00
20"	48.00
24"	54.00



Standard Black Well Drillers Pipe with R&D Couplings

SIZE	STOCK NO	FOOT
2" x 21'	2X21BSRD	14.11
4" x 18'	4X18BSRD	34.64
4" x 21'	4X21BSRD	34.64
5" x 21'	5X21BSRD	47.27
6" x 21'	6X21BSRD	57.89
8" x 21'	8X21BSRD	92.32
10" x 21'	10X21BSRD	121.16

Galvanized Well Drillers Pipe

SIZE	STOCK NO	FOOT
1" x 18'	1GSWDTC	9.40

Standard Black A53-GR B-ERW

SIZE	TYPE	STOCK NO	FOOT
Plain End			
2"	Sch. 40	2BSPEEW	11.68
2½"	Sch. 40	212BSPEEW	15.26
3"	Sch. 40	3BSPEEW	19.84
4"	Sch. 40	4BSPEEW	26.21
5"	Sch. 40	5BSPE	39.29
6"	Sch. 40	6BSPE	51.00
8"	Sch. 40	8BSPE	79.80
10"	Sch. 40	10BSPE	99.20
12"	.375	120BSPE	131.34
14"	.375	140BSPE	169.54
16"	.375	160BSPE	183.35

Standard Galvanized A53-GR B-ERW

SIZE	TYPE	STOCK NO	FOOT
Plain End			
2"	Sch. 40	2GSPEEW	17.91
2½"	Sch. 40	212GSPEEW	22.66
3"	Sch. 40	3GSPEEW	32.39
4"	Sch. 40	4GSPEEW	46.11
5"	Sch. 40	5GSPE	72.56
6"	Sch. 40	6GSPE	87.91
8"	Sch. 40	8GSPE	143.62
10"	Sch. 40	100GSPE	213.64
12"	Sch. 40	120GSPE	292.03

Standard Black A53-GR B-ERW

SIZE	TYPE	STOCK NO	FOOT
Grooved Ends			
2"	Sch. 40	2BSGBE	11.51
2½"	Sch. 40	212BSGBE	15.65
3"	Sch. 40	3BSGBE	20.33
4"	Sch. 40	4BSGBE	28.98
5"	Sch. 40	5BSGBE	39.22
6"	Sch. 40	6BSGBE	50.75
8"	Sch. 40	8BSGBE	56.03

Black Seamless

SIZE	TYPE	STOCK NO	FOOT
A53 / A106 / API-5L			
5"	Sch. 40	5BSSPE	71.74
6"	Sch. 40	6BSSPE	83.28
6"	Sch. 80	6BSXHSPE	122.26
8"	Sch. 40	8BSSPE	101.30
8"	Sch. 80	8BSXHSPE	165.11
10"	Sch. 40	10BSSPE	169.37



(08)
Red Plastic Pipe Plugs

SIZE	STOCK NO	EACH
For Schedule 40 Pipe		
½"	T7P	.35
¾"	T10P	.41
1"	T13P	.59
1¼"	T16P	.75
1½"	T18P	.84
2"	T220P	1.38
2½"	T250P	1.83
3"	T53P	.88
4"	T1064P	1.76
5"	T1080P	2.45
6"	T1097P	4.03
8"	T1128P	7.52
10"	T1390P	14.21
12"	T1314P	45.86
For Schedule 80 Pipe		
½"	T6P	.33
¾"	T9P	.38
1"	T12P	.49
1¼"	T15P	.65
1½"	T17P	.78
2"	T210P	1.16
2½"	T25AP	1.70
3"	T45AP	2.30
4"	T502P	4.49
5"	T1076P	6.72
6"	T1092P	9.94
8"	T1110P	17.39



(08)
Plastic Pipe Cap

SIZE	STOCK NO	EACH
2" NPT	CE316	.95
4" NPT	CE320	3.35
6" NPT	CE322	8.94
8" NPT	CE324	10.27

Viega MegaPress® FKM Fittings (47M)

viega.net

For use with Sch. 5 to 40 Carbon Steel Pipe • Carbon Steel, Zinc-Nickel Coating



90° Elbows

SIZE	STOCK NO	EACH
½"	ME12PRELFKM	32.39
¾"	ME34PRELFKM	36.22
1"	ME1PRELFKM	44.08
1¼"	ME114PRELFKM	75.41
1½"	ME112PRELFKM	97.25
2"	ME2PRELFKM	144.19
2½"	ME212PREL	397.47
3"	ME3PREL	456.85
4"	ME4PREL	589.36



45° Elbows

SIZE	STOCK NO	EACH
½"	ME12PR45LFKM	33.29
¾"	ME34PR45LFKM	40.42
1"	ME1PR45LFKM	50.84
1¼"	ME114PR45LFKM	89.40
1½"	ME112PR45LFKM	112.13
2"	ME2PR45LFKM	155.29
2½"	ME212PR45L	359.06
3"	ME3PR45L	446.32
4"	ME4PR45L	555.62



Caps with Smart Connect

SIZE	STOCK NO	EACH
½"	ME12PRCAPFKM	36.65
¾"	ME34PRCAPFKM	38.35
1"	ME1PRCAPFKM	43.48
1¼"	ME114PRCAPFKM	73.32
1½"	ME112PRCAPFKM	93.41
2"	ME2PRCAPFKM	115.17
2½"	ME212PRCAP	289.05
3"	ME3PRCAP	361.31
4"	ME4PRCAP	488.84



Viega Press-In Branch Connector Tool Kit

FOR USE WITH RP 1½" to 4", 6" pipe

Includes: Press-In Branch Connector hole saw, adapter, pilot bit, Press-In Branch Connector positioning guide, press-in installer swage, press-in tool insert, & hard case.

SIZES	STOCK NO	EACH
1½ - 6"	ME26920	4206.09



Tees

SIZE	STOCK NO	EACH
½"	ME12PRTFKM	53.69
¾"	ME34PRTFKM	58.06
1"	ME1PRTFKM	68.81
1¼"	ME114PRTFKM	118.33
1½"	ME112PRTFKM	136.08
2"	ME2PRTFKM	222.17
2½"	ME212PRT	469.23
3"	ME3PRT	585.16
4"	ME4PRT	800.43
Reducing Tees		
¾ x ½"	ME34X12PRTFKM	64.06
1 x ½"	ME1X12PRTFKM	79.26
1 x ¾"	ME1X34PRTFKM	77.80
1¼ x 1"	ME114X1PRTFKM	125.47
1½ x ½"	ME112X12PRTFKM	167.62
1½ x ¾"	ME112X34PRTFKM	161.39
1½ x 1"	ME112X1PRTFKM	161.38
1½ x 1¼"	ME112X114PRTFKM	157.69
2 x ½"	ME2X12PRTFKM	252.79
2 x ¾"	ME2X34PRTFKM	245.78
2 x 1"	ME2X1PRTFKM	243.46
2 x 1¼"	ME2X114PRTFKM	259.50
2 x 1½"	ME2X112PRTFKM	264.37
2½ x 1½"	ME212X112PRT	563.06
2½ x 2"	ME212X2PRT	563.06
3 x 1½"	ME3X112PRT	706.55
3 x 2"	ME3X2PRT	718.09
3 x 2½"	ME3X212PRT	718.09
4 x 1½"	ME4X112PRT	862.79
4 x 2"	ME4X2PRT	862.79
4 x 2½"	ME4X212PRT	893.89
4 x 3"	ME4X3PRT	893.89



Female Tees

SIZE	STOCK NO	EACH
¾ x ½"	ME34X12PRFTFKM	69.43
1 x ½"	ME1X12PRFTFKM	78.87
1 x ¾"	ME1X34PRFTFKM	79.11
1½ x ½"	ME112X12PRFTFKM	168.49
1½ x ¾"	ME112X34PRFTFKM	158.31
2 x ½"	ME2X12PRFTFKM	252.79
2 x ¾"	ME2X34PRFTFKM	243.46



Unions

SIZE	STOCK NO	EACH
½"	ME12PRUFKM	194.95
¾"	ME34PRUFKM	188.14
1"	ME1PRUFKM	230.81
1¼"	ME114PRUFKM	293.09
1½"	ME112PRUFKM	337.46
2"	ME2PRUFKM	424.85



Couplings

With Stops

SIZE	STOCK NO	EACH
½"	ME12PRCFKM	29.47
¾"	ME34PRCFKM	34.02
1"	ME1PRCFKM	50.04
1¼"	ME114PRCFKM	63.10
1½"	ME112PRCFKM	85.19
2"	ME2PRCFKM	123.35
2½"	ME212PRC	227.54
3"	ME3PRC	284.96
4"	ME4PRC	369.59



Couplings

No Stops

SIZE	STOCK NO	EACH
½"	ME12PRRCFKM	36.07
¾"	ME34PRRCFKM	40.03
1"	ME1PRRCFKM	56.23
1¼"	ME114PRRCFKM	70.31
1½"	ME112PRRCFKM	92.73
2"	ME2PRRCFKM	131.09
2½"	ME212PRRC	265.76
3"	ME3PRRC	313.52
4"	ME4PRRC	437.76



Female Adapters

SIZE	STOCK NO	EACH
½"	ME12PRFAFKM	36.32
¾"	ME34PRFAFKM	40.76
1"	ME1PRFAFKM	54.15
1¼"	ME114PRFAFKM	62.68
1½"	ME112PRFAFKM	73.89
2"	ME2PRFAFKM	110.63
2½"	ME212PRFA	334.52
3"	ME3PRFA	412.07
4"	ME4PRFA	566.26
Reducing		
¾" x ½"	ME34X12PRFAFKM	50.99
1" x ¾"	ME1X34PRFAFKM	62.92
1¼" x 1"	ME114X1PRFAFKM	72.35
1½" x 1¼"	ME112X114PRFAFKM	72.35
2" x 1½"	ME2X112PRFAFKM	115.49



Male Adapters

SIZE	STOCK NO	EACH
½"	ME12PRMAFKM	41.16
¾"	ME34PRMAFKM	44.59
1"	ME1PRMAFKM	55.49
1¼"	ME114PRMAFKM	67.01
1½"	ME112PRMAFKM	78.61
2"	ME2PRMAFKM	116.68
2½"	ME212PRMA	375.38
3"	ME3PRMA	474.74
4"	ME4PRMA	556.20

Carbon Steel Fittings



Reducers

SIZE	STOCK NO	EACH
¾" x ½"	ME34X12PRFRFKM	37.69
1" x ½"	ME1X12PRFRFKM	44.66
1" x ¾"	ME1X34PRFRFKM	45.35
1¼" x 1"	ME114X1PRFRFKM	68.74
1½" x ¾"	ME112X34PRFRFKM	82.09
1½" x 1"	ME112X1PRFRFKM	84.51
1½" x 1¼"	ME112X114PRFRFKM	86.44
2" x 1"	ME2X1PRFRFKM	111.36
2" x 1¼"	ME2X114PRFRFKM	115.01
2" x 1½"	ME2X112PRFRFKM	127.72
2½ x 1"	ME212X1PRFR	266.04
2½ x 1¼"	ME212X114PRFR	266.04
2½ x 1½"	ME212X112PRFR	271.51
2½ x 2"	ME212X2PRFR	271.51
3 x 1¼"	ME3X114PRFR	309.93
3 x 1½"	ME3X112PRFR	309.93
3 x 2"	ME3X2PRFR	323.08
3 x 2½"	ME3X212PRFR	323.08
4 x 1½"	ME4X112PRFR	435.33
4 x 2"	ME4X2PRFR	435.33
4 x 2½"	ME4X212PRFR	446.32
4 x 3"	ME4X3PRFR	446.32



Press-In Branch Connector

Press connection, female pipe thread

For use with Sch. 40 carbon steel pipe only

SIZE	STOCK NO	EACH
1½" x ¾" FPT	ME26830	231.04
2" x ¾" FPT	ME26835	231.04
2½" x ¾" FPT	ME26840	231.04
3" x ¾" FPT	ME26845	231.04
4" x ¾" FPT	ME26850	231.04
6" x ¾" FPT	ME26855	231.04



M18™ FORCE LOGIC™ Black Iron Press Jaws

SIZE	STOCK NO	EACH
½"	MI12BJA	504.90
¾"	MI34BJA	565.49
1"	MI1BJA	666.47
Black Iron Press Jaw Kit, Includes Case		
½" - 2"	MIMPJAWKIT	6018.41



M12™ FORCE LOGIC™ Black Iron Press Compact Jaws

SIZE	STOCK NO	EACH
½"	MI12BCOJA	363.53
¾"	MI34BCOJA	403.92
1"	MI1BCOJA	666.47
Compact Jaw Kit, Includes Case		
½", ¾" & 1"	MI12BCOJAKIT	1413.72

Press Jaws & Rings



(40)

MegaPress Jaws & Rings

FOR USE WITH RP 340, RP 330, 320-E, CT 400

JAW SIZES	STOCK NO	EACH
½ - 2"	PP48553	5421.20
RENTAL	PP48553RU	Call for Pricing



(40)

RP 342-XL Press Tool

From 2" PureFlow to 4" ProPress to 4" MegaPress

CAPACITY	STOCK NO	EACH
½" to 4" for carbon steel, copper & stainless steel,		
½" to 2" for PEX	PP65468	8015.53
RENTAL	PP65468RU	Call for Pricing



(40)

Press Booster for Viega MegaPress XL

MegaPress XL Press Booster & Jaws • RENTAL

JAW SIZES	STOCK NO	EACH
2½", 3" & 4"	PP60638RU	Call for Pricing



Viega MegaPress Z3 Actuator

JAW SIZES	STOCK NO	EACH
Actuator, 2½" Ring.	ME57081	4969.77
3" & 4"" Rings.	ME26201	4118.86
RENTAL		
Actuator, 2½" Ring	ME57081RU	Call for Pricing
3" & 4"" Rings.	ME26201RU	Call for Pricing



(40)

M18™ Force Logic™ Long Throw Press Tool Kit & Pivoting Ring Kits

For use on Viega® MegaPress XL® fittings

DESCRIPTION	STOCK NO	EACH
Tool kit	MILTPRESSTO	5324.40
IPS-P ½" - 2"	MIM18PIPSJAWKIT	8482.32
IPS-P 2½", 3" & 4"	MIMPPXLRINGKIT	6107.40
RENTAL		
Tool kit	MILTPRESSTORU	Call for Pricing
2½", 3" & 4"	MIMPXLRINGSRU	Call for Pricing
IPS-P 2½", 3" & 4"	MIMPPXLRINGKITRU	Call

Carbon Steel for Gas



90° Elbows

SIZE	STOCK NO	EACH
½"	ME12PRELGAS	33.84
¾"	ME34PRELGAS	38.56
1"	ME1PRELGAS	46.83
1¼"	ME114PRELGAS	80.64
1½"	ME112PRELGAS	103.03
2"	ME2PRELGAS	153.23
2½"	ME212PRELGAS	435.59
3"	ME3PRELGAS	502.21
4"	ME4PRELGAS	647.04



45° Elbows

SIZE	STOCK NO	EACH
½"	ME12PR45LGAS	35.29
¾"	ME34PR45LGAS	42.66
1"	ME1PR45LGAS	53.30
1¼"	ME114PR45LGAS	92.99
1½"	ME112PR45LGAS	116.67
2"	ME2PR45LGAS	165.63
2½"	ME212PR45LGAS	435.59
3"	ME3PR45LGAS	502.21
4"	ME4PR45LGAS	647.04



Couplings

With Stops

SIZE	STOCK NO	EACH
½"	ME12PRCGAS	31.24
¾"	ME34PRCGAS	35.83
1"	ME1PRCGAS	52.97
1¼"	ME114PRCGAS	67.37
1½"	ME112PRCGAS	90.98
2"	ME2PRCGAS	132.15
2½"	ME212PRCGAS	328.20
3"	ME3PRCGAS	333.22
4"	ME4PRCGAS	484.76



Couplings

No Stops

SIZE	STOCK NO	EACH
½"	ME12PRRCGAS	38.03
¾"	ME34PRRCGAS	43.38
1"	ME1PRRCGAS	59.93
1¼"	ME114PRRCGAS	76.79
1½"	ME112PRRCGAS	101.32
2"	ME2PRRCGAS	143.21
2½"	ME212PRRCGAS	361.06
3"	ME3PRRCGAS	364.72
4"	ME4PRRCGAS	530.64

Carbon Steel for Gas



Tees

SIZE	STOCK NO	EACH
½"	ME12PRTGAS	55.36
¾"	ME34PRTGAS	61.07
1"	ME1PRTGAS	72.48
1¼"	ME114PRTGAS	123.24
1½"	ME112PRTGAS	145.02
2"	ME2PRTGAS	235.06
2½"	ME212PRTGAS	625.51
3"	ME3PRTGAS	713.76
4"	ME4PRTGAS	815.13
Reducing Tees		
¾ x ½"	ME34X12PRTGAS	66.38
1 x ½"	ME1X12PRTGAS	82.89
1 x ¾"	ME1X34PRTGAS	81.07
1¼ x ½"	ME114X12PRTGAS	132.64
1¼ x ¾"	ME114X34PRTGAS	131.63
1¼ x 1"	ME114X1PRTGAS	129.10
1½ x ½"	ME112X12PRTGAS	179.70
1½ x ¾"	ME112X34PRTGAS	167.17
1½ x 1"	ME112X1PRTGAS	168.75
1½ x 1¼"	ME112X114PRTGAS	163.04
2 x ½"	ME2X12PRTGAS	271.07
2 x ¾"	ME2X34PRTGAS	256.15
2 x 1"	ME2X1PRTGAS	253.69
2 x 1¼"	ME2X114PRTGAS	273.90
2 x 1½"	ME2X112PRTGAS	279.32
2½ x 1"	ME212X1PRTGAS	666.41
2½ x 1¼"	ME212X114PRTGAS	666.41
2½ x 1½"	ME212X112PRTGAS	626.59
2½ x 2"	ME212X2PRTGAS	612.91
3 x 1¼"	ME3X114PRTGAS	773.85
3 x 1½"	ME3X112PRTGAS	801.90
3 x 2"	ME3X2PRTGAS	759.00
3 x 2½"	ME3X212PRTGAS	783.00
4 x 1½"	ME4X112PRTGAS	958.72
4 x 2"	ME4X2PRTGAS	950.14
4 x 2½"	ME4X212PRTGAS	991.45
4 x 3"	ME4X3PRTGAS	998.42



Female Tees

SIZE	STOCK NO	EACH
¾ x ½"	ME34X12PRFTGAS	68.72
1 x ½"	ME1X12PRFTGAS	78.11
1 x ¾"	ME1X34PRFTGAS	77.36
1½ x ½"	ME112X12PRFTGAS	183.10
1½ x ¾"	ME112X34PRFTGAS	169.71
1¼ x ½"	ME114X12PRFTGAS	112.98
1¼ x ¾"	ME114X34PRFTGAS	134.66
1¼ x 1"	ME114X1PRFTGAS	145.89
2 x ½"	ME2X12PRFTGAS	255.47
2 x ¾"	ME2X34PRFTGAS	253.06
2½ x ¾"	ME212X34PRFTGAS	587.48
3 x ¾"	ME3X34PRFTGAS	649.44
4 x ¾"	ME4X34PRFTGAS	942.42



Ball Valves

SIZE	STOCK NO	EACH
½"	ME12PRBVGAS	168.71
¾"	ME34PRBVGAS	191.44
1"	ME1PRBVGAS	221.87
1¼"	ME114PRBVGAS	387.92
1½"	ME112PRBVGAS	422.00
2"	ME2PRBVGAS	715.80



Reducers

Fitting x Press

SIZE	STOCK NO	EACH
¾ x ½"	ME34X12PRFRGAS	39.39
1 x ½"	ME1X12PRFRGAS	47.17
1 x ¾"	ME1X34PRFRGAS	47.29
1¼ x 1"	ME114X1PRFRGAS	73.24
1½ x ¾"	ME112X34PRFRGAS	88.02
1½ x 1"	ME112X1PRFRGAS	88.36
1½ x 1¼"	ME112X114PRFRGAS	92.64
2 x 1"	ME2X1PRFRGAS	119.41
2 x 1¼"	ME2X114PRFRGAS	123.23
2 x 1½"	ME2X112PRFRGAS	136.12
2½ x 1"	ME212X1PRFRGAS	312.61
2½ x 1¼"	ME212X114PRFRGAS	312.61
2½ x 1½"	ME212X112PRFRGAS	307.49
2½ x 2"	ME212X2PRFRGAS	304.51
3 x 1¼"	ME3X114PRFRGAS	403.02
3 x 1½"	ME3X112PRFRGAS	403.02
3 x 2"	ME3X2PRFRGAS	398.48
3 x 2½"	ME3X212PRFRGAS	398.48
4 x 1½"	ME4X112PRFRGAS	489.51
4 x 2"	ME4X2PRFRGAS	486.22
4 x 2½"	ME4X212PRFRGAS	481.91
4 x 3"	ME4X3PRFRGAS	460.70



Caps

SIZE	STOCK NO	EACH
½"	ME12PRCAPGAS	38.66
¾"	ME34PRCAPGAS	40.45
1"	ME1PRCAPGAS	45.72
1¼"	ME114PRCAPGAS	77.44
1½"	ME112PRCAPGAS	98.90
2"	ME2PRCAPGAS	122.22
2½"	ME212PRCAPGAS	323.93
3"	ME3PRCAPGAS	384.39
4"	ME4PRCAPGAS	521.07



Reducer

Press x Press

SIZE	STOCK NO	EACH
¾ x ½"	ME34X12PRRGAS	39.39
1 x ½"	ME1X12PRRGAS	47.17
1 x ¾"	ME1X34PRRGAS	47.29
1¼ x ¾"	ME114X34PRRGAS	72.90
1¼ x 1"	ME114X1PRRGAS	73.16
1½ x 1¼"	ME112X114PRRGAS	92.64
2 x 1¼"	ME2X114PRRGAS	123.23
2 x 1½"	ME2X112PRRGAS	136.12



Unions

SIZE	STOCK NO	EACH
½"	ME12PRUGAS	183.47
¾"	ME34PRUGAS	180.40
1"	ME1PRUGAS	221.37
1¼"	ME114PRUGAS	282.83
1½"	ME112PRUGAS	325.70
2"	ME2PRUGAS	407.54



Male Adapter

SIZE	STOCK NO	EACH
½"	ME12PRMAGAS	43.38
¾"	ME34PRMAGAS	47.17
1"	ME1PRMAGAS	59.08
1¼"	ME114PRMAGAS	70.70
1½"	ME112PRMAGAS	82.92
2"	ME2PRMAGAS	126.29
2½"	ME212PRMAGAS	395.04
3"	ME3PRMAGAS	507.59
4"	ME4PRMAGAS	607.86



Female Adapters

SIZE	STOCK NO	EACH
½"	ME12PRFAGAS	38.92
¾"	ME34PRFAGAS	44.55
1"	ME1PRFAGAS	58.60
1¼"	ME114PRFAGAS	69.84
1½"	ME112PRFAGAS	80.65
2"	ME2PRFAGAS	120.80
2½"	ME212PRFAGAS	374.77
3"	ME3PRFAGAS	453.10
4"	ME4PRFAGAS	625.73
Reducing Adapters		
¾ x ½"	ME34X12PRFAGAS	55.23
1 x ¾"	ME1X34PRFAGAS	71.48
1¼ x ½"	ME114X12PRFAGAS	86.55
1¼ x ¾"	ME114X34PRFAGAS	86.08
1¼ x 1"	ME114X1PRFAGAS	84.58
1½ x ½"	ME112X12PRFAGAS	95.89
1½ x ¾"	ME112X34PRFAGAS	91.61
1½ x 1"	ME112X1PRFAGAS	93.46
1½ x 1¼"	ME112X114PRFAGAS	89.61
2 x ½"	ME2X12PRFAGAS	131.18
2 x ¾"	ME2X34PRFAGAS	128.98
2 x 1"	ME2X1PRFAGAS	134.27
2 x 1¼"	ME2X114PRFAGAS	131.79
2 x 1½"	ME2X112PRFAGAS	123.73



90° Street Elbows

For use with Sch.5 to Sch.40 carbon steel pipe

SIZE	STOCK NO	EACH
½"	ME12PRSLGAS	34.55
¾"	ME34PRSLGAS	38.56
1"	ME1PRSLGAS	46.83
1¼"	ME114PRSLGAS	80.64
1½"	ME112PRSLGAS	103.03
2"	ME2PRSLGAS	153.23
2½"	ME212PRSLGAS	435.59
3"	ME3PRSLGAS	502.21
4"	ME4PRSLGAS	647.04



45° Street Elbows

For use with Sch.5 to Sch.40 carbon steel pipe

SIZE	STOCK NO	EACH
½"	ME12PRS45LGAS	35.29
¾"	ME34PRS45LGAS	42.66
1"	ME1PRS45LGAS	53.30
1¼"	ME114PRS45LGAS	92.99
1½"	ME112PRS45LGAS	116.67
2"	ME2PRS45LGAS	165.63
2½"	ME212PRS45LGAS	435.59
3"	ME3PRS45LGAS	502.21
4"	ME4PRS45LGAS	647.04



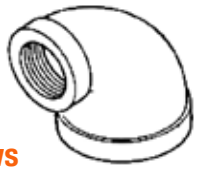
90° Elbows

SIZE	STOCK NO	EACH
Black		
1/8"	18BML	12.68
1/4"	14BML	12.38
3/8"	38BML	12.38
1/2"	12BML	8.59
3/4"	34BML	10.34
1"	1BML	17.98
1 1/4"	114BML	29.66
1 1/2"	112BML	39.00
2"	2BML	67.27
2 1/2	212BML	149.84
3"	3BML	219.29
4"	4BML	471.00
6"	6BML	1544.32
Galvanized		
1/8"	18GML	19.66
1/4"	14GML	17.96
3/8"	38GML	17.96
1/2"	12GML	11.56
3/4"	34GML	14.16
1"	1GML	26.24
1 1/4"	114GML	41.51
1 1/2"	112GML	54.20
2"	2GML	88.75
2 1/2	212GML	232.23
3"	3GML	382.91
4"	4GML	675.31
6"	6GML	1544.32



45° Elbows

SIZE	STOCK NO	EACH
Black		
1/8"	18BM45L	18.66
1/4"	14BM45L	18.14
3/8"	38BM45L	18.66
1/2"	12BM45L	14.15
3/4"	34BM45L	17.51
1"	1BM45L	22.05
1 1/4"	114BM45L	39.03
1 1/2"	112BM45L	48.29
2"	2BM45L	73.05
2 1/2"	212BM45L	211.33
3"	3BM45L	274.46
4"	4BM45L	538.18
6"	6BM45L	2330.32
Galvanized		
3/8"	38GM45L	27.32
1/2"	12GM45L	18.27
3/4"	34GM45L	26.24
1"	1GM45L	29.66
1 1/4"	114GM45L	55.42
1 1/2"	112GM45L	65.10
2"	2GM45L	96.31
2 1/2"	212GM45L	335.08
3"	3GM45L	487.32
4"	4GM45L	817.01



90° Reducing Elbows

SIZE	STOCK NO	EACH
Black		
1/4 x 1/8"	14X18BML	24.66
3/8x 1/4"	38X14BML	17.43
1/2 x 3/8"	12X38BML	16.34
1/2 x 1/4"	12X14BML	16.81
3/4 x 1/2"	34X12BML	16.81
3/4 x 3/8"	34X38BML	23.52
1 x 3/4"	1X34BML	21.63
1 x 1/2"	1X12BML	23.31
1 1/4 x 1"	114X1BML	36.33
1 1/4 x 3/4"	114X34BML	40.50
1 1/2 x 1 1/4"	112X114BML	51.25
1 1/2 x 1"	112X1BML	51.25
1 1/2 x 3/4"	112X34BML	58.63
2 x 1 1/2"	2X112BML	74.21
2 x 1 1/4"	2X114BML	84.35
2 x 1"	2X1BML	84.35
2 x 3/4"	2X34BML	89.44
2 1/2 x 2"	212X2BML	203.70
2 1/2 x 1 1/2"	212X112BML	215.69
3 x 2 1/2"	3X212BML	370.28
3 x 2"	3X2BML	329.28
4 x 3"	4X3BML	632.83
Galvanized		
3/8x 1/4"	38X14GML	28.67
1/2 x 3/8"	12X38GML	21.22
3/4 x 1/2"	34X12GML	24.66
3/4 x 3/8"	34X38GML	33.99
1 x 3/4"	1X34GML	31.64
1 x 1/2"	1X12GML	33.57
1 1/4 x 1"	114X1GML	53.08
1 1/4 x 3/4"	114X34GML	63.77
1 1/2 x 1 1/4"	112X114GML	84.83
1 1/2 x 1"	112X1GML	84.83
2 x 1 1/2"	2X112GML	99.09
2 x 1"	2X1GML	117.88
2 x 3/4"	2X34GML	120.24
2 1/2 x 2"	212X2GML	335.92
3 x 2"	3X2GML	530.27
4 x 3"	4X3GML	1342.02



90° Street Elbows

SIZE	STOCK NO	EACH
Black		
1/8"	18BMSL	18.28
1/4"	14BMSL	18.28
3/8"	38BMSL	18.28
1/2"	12BMSL	17.74
3/4"	34BMSL	17.74
1"	1BMSL	25.12
1 1/4"	114BMSL	39.03
1 1/2"	112BMSL	52.25
2"	2BMSL	84.87
2 1/2"	212BMSL	215.15
3"	3BMSL	328.41
4"	4BMSL	660.74
Galvanized		
1/8"	18GMSL	25.65
1/4"	14GMSL	24.84
3/8"	38GMSL	24.84
1/2"	12GMSL	25.37
3/4"	34GMSL	25.37
1"	1GMSL	33.94
1 1/4"	114GMSL	56.98
1 1/2"	112GMSL	71.54
2"	2GMSL	120.62
2 1/2"	212GMSL	348.93
3"	3GMSL	507.82

90° Reducing Street Elbows

SIZE	STOCK NO	EACH
Black		
1/2 x 3/8"	12X38BMSL	28.12
3/4 x 1/2"	34X12BMSL	38.08
1 x 3/4"	1X34BMSL	35.76
1 1/4 x 1"	114X1BMSL	51.50
1 1/2 x 1 1/4"	112X114BMSL	94.86
1 1/2 x 1"	112X1BMSL	75.64
2 x 1 1/2"	2X112BMSL	145.54



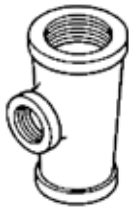
45° Street Elbows

SIZE	STOCK NO	EACH
Black		
1/4"	14BMS45L	23.22
3/8"	38BMS45L	24.25
1/2"	12BMS45L	19.79
3/4"	34BMS45L	29.90
1"	1BMS45L	34.82
1 1/4"	114BMS45L	60.21
1 1/2"	112BMS45L	77.65
2"	2BMS45L	130.61
Galvanized		
1/4"	14GMS45L	33.52
3/8"	38GMS45L	36.81
1/2"	12GMS45L	27.92
3/4"	34GMS45L	44.28
1"	1GMS45L	56.77
1 1/4"	114GMS45L	85.16
1 1/2"	112GMS45L	103.14
2"	2GMS45L	169.84



Tee

SIZE	STOCK NO	EACH
Black		
1/8"	18BMT	19.12
1/4"	14BMT	17.98
3/8"	38BMT	17.98
1/2"	12BMT	11.49
3/4"	34BMT	16.47
1 "	1BMT	28.17
1 1/4"	114BMT	45.64
1 1/2"	112BMT	56.79
2"	2BMT	96.77
2 1/2"	212BMT	208.66
3"	3BMT	307.37
4"	4BMT	742.86
6"	6BMT	2588.36
Galvanized		
1/8"	18GMT	27.80
1/4"	14GMT	23.38
3/8"	38GMT	23.38
1/2"	12GMT	14.97
3/4"	34GMT	24.66
1 "	1GMT	39.87
1 1/4"	114GMT	63.30
1 1/2"	112GMT	78.69
2"	2GMT	127.87
2 1/2"	212GMT	359.96
3"	3GMT	441.11
4"	4GMT	998.60

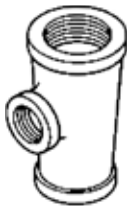


Black Reducing Tee

SIZE	STOCK NO	EACH
Black		
3/8 x 3/8 x 1/2"	38X12BMT	26.70
3/8 x 3/8 x 1/4"	38X14BMT	28.80
1/2 x 1/2 x 3/4"	12X34BMT	29.42
1/2 x 1/2 x 3/8"	12X38BMT	25.06
1/2 x 1/2 x 1/4"	12X14BMT	19.52
1/2 x 1/4 x 1/2"	12X14X12BMT	20.51
3/4 x 3/4 x 1"	34X1BMT	38.79
3/4 x 3/4 x 1/2"	34X12BMT	25.49
3/4 x 3/4 x 3/8"	34X38BMT	31.27
3/4 x 3/4 x 1/4"	34X14BMT	28.32
3/4 x 1/2 x 3/4"	34X12X34BMT	29.42
3/4 x 1/2 x 1/2"	34X12X12BMT	26.15
1 x 1 x 1 1/2"	1X112BMT	113.28
1 x 1 x 1 1/4"	1X114BMT	71.16
1 x 1 x 3/4"	1X34BMT	32.13
1 x 1 x 1/2"	1X12BMT	32.13
1 x 1 x 3/8"	1X38BMT	45.17
1 x 1 x 1/4"	1X14BMT	39.53
1 x 3/4 x 1"	1X34X1BMT	37.31
1 x 3/4 x 3/4"	1X34X34BMT	33.99
1 x 3/4 x 1/2"	1X34X12BMT	36.80
1 x 1/2 x 1"	1X12X1BMT	36.60
1 x 1/2 x 3/4"	1X12X34BMT	43.66
1 x 1/2 x 1/2"	1X12X12BMT	36.60
1 1/4 x 1 1/4 x 2"	114X2BMT	145.69
1 1/4 x 1 1/4 x 1"	114X1BMT	55.66
1 1/4 x 1 1/4 x 3/4"	114X34BMT	51.35
1 1/4 x 1 1/4 x 1/2"	114X12BMT	58.59

Black Reducing Tee (Cont'd)

SIZE	STOCK NO	EACH
Black		
1 1/4 x 1 1/4 x 3/8"	114X38BMT	81.03
1 1/4 x 1 x 1 1/4"	114X1X114BMT	72.01
1 1/4 x 1 x 1"	114X1X1BMT	59.97
1 1/4 x 1 x 3/4"	114X1X34BMT	59.97
1 1/4 x 1 x 1/2"	114X1X12BMT	72.13
1 1/4 x 3/4 x 1 1/4"	114X34X114BMT	61.83
1 1/4 x 3/4 x 1"	114X34X1BMT	63.17
1 1/4 x 3/4 x 3/4"	114X34X34BMT	68.23
1 1/4 x 1/2 x 1 1/4"	114X12X114BMT	68.23
1 1/2 x 1 1/2 x 2"	112X2BMT	140.39
1 1/2 x 1 1/2 x 1 1/4"	112X114BMT	80.16
1 1/2 x 1 1/2 x 1"	112X1BMT	64.84
1 1/2 x 1 1/2 x 3/4"	112X34BMT	64.84
1 1/2 x 1 1/2 x 1/2"	112X12BMT	68.63
1 1/2 x 1 1/4 x 1 1/2"	112X114X112BMT	122.90
1 1/2 x 1 1/4 x 1 1/4"	112X114X114BMT	109.35
1 1/2 x 1 1/4 x 1"	112X114X1BMT	70.00
1 1/2 x 1 1/4 x 3/4"	112X114X34BMT	81.53
1 1/2 x 1 x 1 1/2"	112X1X112BMT	81.53
1 1/2 x 1 x 1 1/4"	112X1X114BMT	107.49
1 1/2 x 1 x 1"	112X1X1BMT	81.53
1 1/2 x 3/4 x 1 1/2"	112X34X112BMT	81.53
1 1/2 x 1/2 x 1 1/2"	112X12X112BMT	81.53
2 x 2 x 1 1/2"	2X112BMT	109.35
2 x 2 x 1 1/4"	2X114BMT	109.35
2 x 2 x 1"	2X1BMT	101.59
2 x 2 x 3/4"	2X34BMT	101.59
2 x 2 x 1/2"	2X12BMT	103.52
2 x 1 1/2 x 2"	2X112X2BMT	137.57
2 x 1 1/2 x 1 1/2"	2X112X112BMT	130.52
2 x 1 1/2 x 1 1/4"	2X112X114BMT	127.33
2 x 1 1/2 x 1"	2X112X1BMT	124.89
2 x 1 1/4 x 2"	2X114X2BMT	136.54
2 x 1 1/4 x 1 1/4"	2X114X114BMT	127.09
2 x 1 x 2"	2X1X2BMT	127.09
2 x 3/4 x 2"	2X34X2BMT	124.89
2 x 1/2 x 2"	2X12X2BMT	127.09
2 1/2 x 2 1/2 x 2"	212X2BMT	271.47
2 1/2 x 2 1/2 x 1 1/2"	212X112BMT	307.48
2 1/2 x 2 1/2 x 1 1/4"	212X114BMT	307.48
2 1/2 x 2 1/2 x 1"	212X1BMT	307.48
2 1/2 x 2 1/2 x 3/4"	212X34BMT	304.83
2 1/2 x 2 x 2"	212X2X2BMT	318.83
2 1/2 x 1 1/2 x 2 1/2"	212X112X212BMT	348.30
3 x 3 x 2	3X2BMT	362.56
3 x 3 x 1 1/2"	3X112BMT	376.92
3 x 3 x 1 1/4"	3X114BMT	383.82
3 x 3 x 1"	3X1BMT	364.30
3 x 2 x 3"	3X2X3BMT	422.96
3 x 2 x 2"	3X2X2BMT	383.55
4 x 4 x 3"	4X3BMT	854.09
4 x 4 x 2"	4X2BMT	830.56

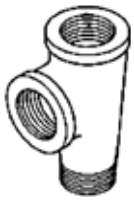


Galvanized Reducing Tee

SIZE	STOCK NO	EACH
Galvanized		
3/8 x 3/8 x 1/4"	38X14GMT	43.79
1/2 x 1/2 x 3/4"	12X34GMT	40.99
1/2 x 1/2 x 3/8"	12X38GMT	34.79
1/2 x 1/2 x 1/4"	12X14GMT	28.67
3/4 x 3/4 x 1"	34X1GMT	59.01
3/4 x 3/4 x 1/2"	34X12GMT	34.29
3/4 x 3/4 x 3/8"	34X38GMT	36.88
3/4 x 3/4 x 1/4"	34X14GMT	36.63
3/4 x 1/2 x 3/4"	34X12X34GMT	39.16
3/4 x 1/4 x 3/4"	34X14X34GMT	51.95
3/4 x 1/2 x 1/2"	34X12X12GMT	40.99
1 x 1 x 1 1/2"	1X112GMT	175.92
1 x 1 x 1 1/4"	1X114GMT	97.32
1 x 1 x 3/4"	1X34GMT	48.14
1 x 1 x 1/2"	1X12GMT	48.14
1 x 1 x 1/4"	1X14GMT	65.07
1 x 3/4 x 1"	1X34X1GMT	60.16
1 x 3/4 x 3/4"	1X34X34GMT	58.02
1 x 3/4 x 1/2"	1X34X12GMT	60.16
1 x 1/2 x 1"	1X12X1GMT	60.16
1 x 1/2 x 1/2"	1X12X12GMT	60.16
1 1/4 x 1 1/4 x 1"	114X1GMT	74.70
1 1/4 x 1 1/4 x 3/4"	114X34GMT	74.70
1 1/4 x 1 1/4 x 1/2"	114X12GMT	78.93
1 1/4 x 1 x 1 1/4"	114X1X114GMT	95.84
1 1/4 x 1 x 1"	114X1X1GMT	90.60
1 1/4 x 1 x 3/4"	114X1X34GMT	94.65
1 1/4 x 1 x 1/2"	114X1X12GMT	97.70
1 1/4 x 3/4 x 1 1/4"	114X34X114GMT	88.76
1 1/4 x 1/2 x 1 1/4"	114X12X114GMT	94.65
1 1/2 x 1 1/2 x 2"	112X2GMT	176.28
1 1/2 x 1 1/2 x 1 1/4"	112X114GMT	115.52
1 1/2 x 1 1/2 x 1"	112X1GMT	92.26
1 1/2 x 1 1/2 x 3/4"	112X34GMT	92.26
1 1/2 x 1 1/2 x 1/2"	112X12GMT	97.52
1 1/2 x 1 1/4 x 1"	112X114X1GMT	112.13
1 1/2 x 1 1/4 x 3/4"	112X114X34GMT	118.69
1 1/2 x 1 1/4 x 1/2"	112X114X12GMT	132.99
1 1/2 x 1 x 1 1/2"	112X1X112GMT	118.69
1 1/2 x 1 x 1"	112X1X1GMT	118.69
1 1/2 x 3/4 x 1 1/2"	112X34X112GMT	118.69
2 x 2 x 1 1/2"	2X112GMT	158.58
2 x 2 x 1 1/4"	2X114GMT	158.58
2 x 2 x 1"	2X1GMT	132.17
2 x 2 x 3/4"	2X34GMT	134.69
2 x 2 x 1/2"	2X12GMT	150.11
2 x 1 1/2 x 2"	2X112X2GMT	167.78
2 x 1 1/2 x 1 1/2"	2X112X112GMT	164.57
2 x 1 1/2 x 1 1/4"	2X112X114GMT	167.78
2 x 1 1/2 x 1"	2X112X1GMT	158.50
2 x 1 1/4 x 1 1/4"	2X114X114GMT	167.78
2 x 1 x 2"	2X1X2GMT	167.78
2 x 3/4 x 2"	2X34X2GMT	164.57
2 x 1/2 x 2"	2X12X2GMT	167.78
2 1/2 x 2 1/2 x 2"	212X2GMT	445.88
2 1/2 x 2 1/2 x 1 1/2"	212X112GMT	482.25
2 1/2 x 2 1/2 x 1 1/4"	212X114GMT	479.44
3 x 3 x 2 1/2"	3X212GMT	679.56
3 x 3 x 2"	3X2GMT	583.43
3 x 3 x 1 1/2"	3X112GMT	605.26
3 x 3 x 1"	3X1GMT	583.43
3 x 3 x 3/4"	3X34GMT	813.97
3 x 2 x 2"	3X2X2GMT	617.03
4 x 4 x 3"	4X3GMT	1577.19
4 x 4 x 2"	4X2GMT	1261.43

Malleable Fittings - Class 150 (03)

wardfittings.com



Service Tee

SIZE	STOCK NO	EACH
Black		
1/4"	14BMSET	37.49
3/8"	38BMSET	44.00
1/2"	12BMSET	36.34
3/4"	34BMSET	41.93
1"	1BMSET	55.46



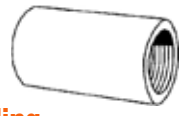
Cross Tee

SIZE	STOCK NO	EACH
Black		
1/4"	14BMX	40.57
3/8"	38BMX	46.35
1/2"	12BMX	43.38
3/4"	34BMX	52.49
1"	1BMX	64.69
1 1/4"	114BMX	104.98
1 1/2"	112BMX	130.09
2"	2BMX	213.89
3"	3BMX	613.72
Galvanized		
1/8"	18GMX	87.18
1/4"	14GMX	66.43
1/2"	12GMX	61.56
3/4"	34GMX	75.02
1"	1GMX	103.49
1 1/4"	114GMX	155.61
1 1/2"	112GMX	182.06
2"	2GMX	344.82



Malleable Coupling

SIZE	STOCK NO	EACH
Black		
1/2"	12BMC	11.87
3/4"	34BMC	13.88
1"	1BMC	20.83
1 1/4"	114BMC	26.95
1 1/2"	112BMC	36.45
2"	2BMC	53.95
Galvanized		
1/2"	12GMC	16.92
3/4"	34GMC	19.47
1"	1GMC	31.94
1 1/4"	114GMC	45.06
1 1/2"	112GMC	51.21
2"	2GMC	74.86



(02E)

Standard Steel Coupling

SIZE	STOCK NO	EACH
Black		
1/8"	18BSC	3.38
1/4"	14BSC	4.66
3/8"	38BSC	5.59
1/2"	12BSC	5.95
3/4"	34BSC	7.60
1"	1BSC	10.62
1 1/4"	114BSC	13.57
1 1/2"	112BSC	17.19
2"	2BSC	24.61
2 1/2"	212BSC	70.07
3"	3BSC	98.36
3 1/2"	312BSC	174.34
4"	4BSC	174.34
5"	5BSC	319.32
6"	6BSC	382.28
Galvanized		
1/8"	18GSC	4.13
1/4"	14GSC	5.36
3/8"	38GSC	6.86
1/2"	12GSC	7.29
3/4"	34GSC	9.14
1"	1GSC	12.78
1 1/4"	114GSC	16.36
1 1/2"	112GSC	20.29
2"	2GSC	30.38
2 1/2"	212GSC	86.06
3"	3GSC	114.22
4"	4GSC	201.33
6"	6GSC	460.82



(02E)

Extra Heavy Steel Coupling

SIZE	STOCK NO	EACH
Black		
1/8"	18BSXHC	14.24
1/4"	14BSXHC	18.66
3/8"	38BSXHC	20.30
1/2"	12BSXHC	27.47
3/4"	34BSXHC	29.32
1"	1BSXHC	37.34
1 1/4"	114BSXHC	59.97
1 1/2"	112BSXHC	59.97
2"	2BSXHC	91.25
2 1/2"	212BSXHC	135.58
3"	3BSXHC	161.01
4"	4BSXHC	254.54
Galvanized		
1/2"	12GSXHC	32.76
3/4"	34GSXHC	35.11
1"	1GSXHC	45.21
1 1/4"	114GSXHC	69.36
1 1/2"	112GSXHC	69.36
2"	2GSXHC	115.45

(02E)

Standard Half Black Steel Couplings

SIZE	STOCK NO	EACH
1/4"	14BSHC	4.75
3/8"	38BSHC	5.72
1/2"	12BSHC	5.74
3/4"	34BSHC	6.53
1"	1BSHC	9.13
1 1/4"	114BSHC	11.66
1 1/2"	112BSHC	14.77
2"	2BSHC	21.15
2 1/2"	212BSHC	50.48
3"	3BSHC	70.85



Cored Plug

SIZE	STOCK NO	EACH
Black		
1/2"	12BMP	6.37
3/4"	34BMP	7.99
1"	1BMP	7.99
11/4"	114BMP	12.76
11/2"	112BMP	18.05
2"	2BMP	21.10
21/2"	212BMP	51.39
3"	3BMP	59.52
4"	4BMP	122.62
5"	5BMP	230.51
6"	6BMP	300.87
Galvanized		
1/2"	12GMP	2.44
3/4"	34GMP	17.16
1"	1GMP	17.16
11/4"	114GMP	28.61
11/2"	112GMP	38.61
2"	2GMP	47.95
21/2"	212GMP	101.33
3"	3GMP	129.76
4"	4GMP	251.64



Solid Square Head Plug - Steel

SIZE	STOCK NO	EACH
Black		
1/8"	18BSP	.45
1/4"	14BSP	.68
3/8"	38BSP	1.03
1/2"	12BSP	2.08
3/4"	34BSP	3.23
Galvanized		
1/8"	18GSP	.49
1/4"	14GSP	.78
3/8"	38GSP	1.17



Magnetic Square Head Plug - Steel

SIZE	STOCK NO	EACH
3/4"	34MSP	13.11

Solid Square Head Plug - Cast Iron

SIZE	STOCK NO	EACH
1/2"	12CIP	6.89
3/4"	34CIP	20.80
1"	1CIP	22.15
1 1/4"	114CIP	25.52
1 1/2"	112CIP	36.18
2"	2CIP	46.68



Black Reducing Couplings

SIZE	STOCK NO	EACH
Black		
1/4 x 1/8"	14X18BMR	16.23
3/8 x 1/4"	38X14BMR	16.23
3/8 x 1/8"	38X18BMR	20.14
1/2 x 3/8"	12X38BMR	13.93
1/2 x 1/4"	12X14BMR	14.73
1/2 x 1/8"	12X18BMR	16.39
3/4 x 1/2"	34X12BMR	15.57
3/4 x 3/8"	34X38BMR	18.58
3/4 x 1/4"	34X14BMR	18.58
3/4 x 1/8"	34X18BMR	19.40
1 x 3/4"	1X34BMR	24.25
1 x 1/2"	1X12BMR	24.84
1 x 3/8"	1X38BMR	30.58
1 x 1/4"	1X14BMR	31.81
1 1/4 x 1	114X1BMR	31.21
1 1/4 x 3/4"	114X34BMR	31.21
1 1/4 x 1/2"	114X12BMR	36.60
1 1/2 x 1 1/4"	112X114BMR	39.45
1 1/2 x 1"	112X1BMR	45.77
1 1/2 x 3/4"	112X34BMR	52.49
1 1/2 x 1/2"	112X12BMR	46.56
2 x 1 1/2"	2X112BMR	57.17
2 x 1 1/4	2X114BMR	65.46
2 x 1"	2X1BMR	61.87
2 x 3/4"	2X34BMR	65.46
2 x 1/2"	2X12BMR	75.82
2 1/2 x 2"	212X2BMR	131.42
2 1/2 x 1 1/2"	212X112BMR	155.93
2 1/2 x 1 1/4"	212X114BMR	164.16
3 x 2 1/2"	3X212BMR	198.64
3 x 2"	3X2BMR	170.10
3 x 1 1/2"	3X112BMR	205.42
3 x 1 1/4"	3X114BMR	213.10
3 x 1"	3X1BMR	209.21
4 x 3 1/2"	4X312BMR	630.68
4 x 3"	4X3BMR	411.75
4 x 2 1/2"	4X212BMR	448.56
4 x 2"	4X2BMR	411.75
4 x 1 1/2"	4X112BMR	528.62
5 x 4"	5X4BMR	991.51



Galvanized Reducing Couplings

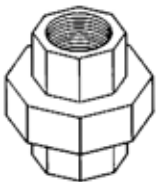
SIZE	STOCK NO	EACH
Galvanized		
1/4 x 1/8"	14X18GMR	21.94
3/8 x 1/4"	38X14GMR	21.94
1/2 x 3/8"	12X38GMR	20.51
1/2 x 1/4"	12X14GMR	19.74
1/2 x 1/8"	12X18GMR	26.03
3/4 x 1/2"	34X12GMR	21.92
3/4 x 3/8"	34X38GMR	24.92
3/4 x 1/4"	34X14GMR	24.92
1 x 3/4"	1X34GMR	33.94
1 x 1/2"	1X12GMR	36.56
1 x 3/8"	1X38GMR	47.51
1 x 1/4"	1X14GMR	50.41
1 1/4 x 1	114X1GMR	46.37
1 1/4 x 3/4"	114X34GMR	47.28
1 1/4 x 1/2"	114X12GMR	60.68
1 1/2 x 1 1/4"	112X114GMR	57.56
1 1/2 x 1"	112X1GMR	60.95
1 1/2 x 3/4"	112X34GMR	60.95
1 1/2 x 1/2"	112X12GMR	71.54
2 x 1 1/2"	2X112GMR	83.17
2 x 1 1/4	2X114GMR	87.93
2 x 1"	2X1GMR	83.17
2 x 3/4"	2X34GMR	99.59
2 x 1/2"	2X12GMR	103.29
2 1/2 x 2"	212X2GMR	232.04
2 1/2 x 1 1/2"	212X112GMR	245.32
3 x 2 1/2"	3X212GMR	297.61
3 x 2"	3X2GMR	291.45
3 x 1 1/2"	3X112GMR	308.35
3 x 1 1/4"	3X114GMR	325.96
3 x 1"	3X1GMR	325.96
4 x 3"	4X3GMR	667.20
4 x 2"	4X2GMR	667.20
4 x 1 1/2"	4X112GMR	1084.89



Floor Flange

No 190

SIZE	STOCK NO	EACH
Black		
1/4"	14MAFF	40.01
3/8"	38MAFF	40.01
1/2"	12MAFF	40.01
3/4"	34MAFF	40.01
1"	1MAFF	50.29
1 1/4"	114MAFF	50.29
1 1/2"	112MAFF	64.69
2"	2MAFF	77.81
Galvanized		
1/4"	14GMFF	77.87
1/2"	12GMFF	100.01
3/4"	34GMFF	100.01
1"	1GMFF	91.29
1 1/4"	114GMFF	121.32
1 1/2"	112GMFF	155.43
2"	2GMFF	197.38



Unions

SIZE	STOCK NO	EACH
Black		
1/8"	18BMU	46.48
1/4"	14BMU	64.23
3/8"	38BMU	44.23
1/2"	12BMU	40.10
3/4"	34BMU	46.05
1"	1BMU	60.03
1 1/4"	114BMU	86.10
1 1/2"	112BMU	107.34
2"	2BMU	124.82
2 1/2"	212BMU	371.90
3"	3BMU	447.69
Galvanized		
1/8"	18GMU	98.94
1/4"	14GMU	87.12
3/8"	38GMU	58.31
1/2"	12GMU	53.18
3/4"	34GMU	61.11
1"	1GMU	80.07
1 1/4"	114GMU	115.75
1 1/2"	112GMU	140.24
2"	2GMU	161.22
2 1/2"	212GMU	560.01
3"	3GMU	783.74



Steel Hexagon Bushings

SIZE	STOCK NO	EACH
Black		
1/4 x 1/8"	14X18BSB	1.53
3/8 x 1/8"	38X18BSB	1.83
3/8 x 1/4"	38X14BSB	1.83
1/2 x 1/8"	12X18BSB	3.11
1/2 x 1/4"	12X14BSB	3.11
1/2 x 3/8"	12X38BSB	3.11
3/4 x 1/4"	34X14BSB	4.62
3/4 x 3/8"	34X38BSB	4.62
3/4 x 1/2"	34X12BSB	4.62
1 x 1/4"	1X14BSB	7.73
1 x 3/8"	1X38BSB	7.73
1 x 1/2"	1X12BSB	7.73
1 x 3/4"	1X34BSB	7.73
Galvanized		
1/4 x 1/8"	14X18GSB	1.65
3/8 x 1/8"	38X18GSB	1.96
3/8 x 1/4"	38X14GSB	1.96
1/2 x 1/8"	12X18GSB	3.43
1/2 x 1/4"	12X14GSB	3.43
1/2 x 3/8"	12X38GSB	3.43

Malleable Fittings - Class 150 (03)

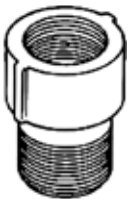
wardfittings.com

Black Cast Iron Hexagon Bushing



SIZE	STOCK NO	EACH
¾ x ½"	34X12BMB	13.93
¾ x ⅜"	34X38BMB	15.50
¾ x ¼"	34X14BMB	15.08
¾ x ⅛"	34X18BMB	15.90
1 x ¾"	1X34BMB	14.66
1 x ½"	1X12BMB	14.84
1 x ⅜"	1X38BMB	20.05
1 x ¼"	1X14BMB	19.52
1 x ⅛"	1X18BMB	22.63
1¼ x 1"	114X1BMB	19.12
1¼ x ¾"	114X34BMB	19.12
1¼ x ½"	114X12BMB	21.74
1¼ x ⅜"	114X38BMB	23.52
1¼ x ¼"	114X14BMB	28.08
1½ x 1¼"	112X114BMB	24.25
1½ x 1"	112X1BMB	21.82
1½ x ¾"	112X34BMB	24.87
1½ x ½"	112X12BMB	24.87
1½ x ⅜"	112X38BMB	38.75
1½ x ¼"	112X14BMB	32.71
2 x 1½"	2X112BMB	30.56
2 x 1¼"	2X114BMB	29.85
2 x 1"	2X1BMB	29.85
2 X ¾"	2X34BMB	31.23
2 x ½"	2X12BMB	39.47
2 x ⅜"	2X38BMB	44.42
2 x ¼"	2X14BMB	35.26
2½ x 2"	212X2BMB	47.07
2½ x 1½"	212X112BMB	47.80
2½ x 1¼"	212X114BMB	54.90
2½ x 1"	212X1BMB	54.90
2½ x ¾"	212X34BMB	54.90
3 x 2½"	3X212CIB	64.29
3 x 2"	3X2CIB	55.46
3 x 1½"	3X112CIB	74.25
3 x 1¼"	3X114CIB	74.25
3 x 1"	3X1CIB	74.25
3 x ¾"	3X34CIB	80.68
3 x ½"	3X12CIB	86.37
3½ x 3"	312X3CIB	130.17
3½ x 2"	312X2CIB	141.18
3½ x 1½"	312X112CIB	140.44
4 x 3½"	4X312CIB	168.28
4 x 3"	4X3CIB	125.06
4 x 2½"	4X212CIB	151.34
4 x 2"	4X2CIB	125.06
4 x 1½"	4X112CIB	154.95
4 x 1¼"	4X114CIB	168.28
4 x 1"	4X1CIB	168.28
5 x 4"	5X4CIB	254.69
5 x 3"	5X3CIB	262.24
5 x 2"	5X2CIB	291.48
6 x 5"	6X5CIB	300.62
6 x 4"	6X4CIB	260.31
6 x 3"	6X3CIB	300.69
6 x 2"	6X2CIB	300.69
8 x 6"	8X6CIB	566.55

Extension Piece



SIZE	STOCK NO	EACH
½"	12GMEP	42.63
¾"	34GMEP	63.77
1"	1GMEP	79.95

Galvanized Malleable Hexagon Bushing



SIZE	STOCK NO	EACH
¾ x ½"	34X12GMB	23.26
¾ x ⅜"	34X38GMB	30.35
¾ x ¼"	34X14GMB	27.16
¾ x ⅛"	34X18GMB	27.92
1 x ¾"	1X34GMB	26.70
1 x ½"	1X12GMB	28.67
1 x ⅜"	1X38GMB	31.87
1 x ¼"	1X14GMB	31.74
1 x ⅛"	1X18GMB	37.34
1¼ x 1"	114X1GMB	35.98
1¼ x ¾"	114X34GMB	35.98
1¼ x ½"	114X12GMB	40.76
1¼ x ¼"	114X14GMB	47.83
1½ x 1¼"	112X114GMB	43.38
1½ x 1"	112X1GMB	45.28
1½ x ¾"	112X34GMB	50.10
1½ x ½"	112X12GMB	50.10
1½ x ¼"	112X14GMB	64.45
2 x 1½"	2X112GMB	50.34
2 x 1¼"	2X114GMB	58.37
2 x 1"	2X1GMB	58.37
2 x ¾"	2X34GMB	58.37
2 x ½"	2X12GMB	62.79
2½ x 2"	212X2GMB	83.77
2½ x 1½"	212X112GMB	95.67
2½ x 1¼"	212X114GMB	106.30
2½ x 1"	212X1GMB	106.30
2½ x ½"	212X12GMB	106.30
3 x 2½"	3X212GCIB	117.05
3 x 2"	3X2GCIB	109.05
3 x 1½"	3X112GCIB	126.20
3 x 1"	3X1GCIB	140.24
3 x ¾"	3X34GCIB	140.24
3½ x 3"	312X3GCIB	249.01
3½ x 2"	312X2GCIB	249.01
4 x 3"	4X3GCIB	228.93
4 x 2½"	4X212GCIB	293.85
4 x 2"	4X2GCIB	228.93
4 x 1½"	4X112GCIB	293.85
4 x 1"	4X1GCIB	293.85
5 x 4"	5X4GCIB	485.19
6 x 4"	6X4GCIB	530.23
6 x 3"	6X3GCIB	562.03

Lock Nut



SIZE	STOCK NO	EACH
Black		
¼"	14BMLN	11.93
½"	12BMLN	12.29
¾"	34BMLN	13.38
1"	1BMLN	25.64
1¼"	114BMLN	21.07
1½"	112BMLN	29.59
Galvanized		
½"	12GMLN	14.50
¾"	34GMLN	17.00
1"	1GMLN	30.92
2"	2GMLN	67.80

Flush Bushings



SIZE	STOCK NO	EACH
Black		
¼ x ⅛"	14X18BMFB	1.41
½ x ⅜"	12X38BMFB	2.72
½ x ¼"	12X14BMFB	2.72
¾ x ½"	34X12BMFB	4.01
¾ x ¼"	34X14BMFB	4.01
1 x ¾"	1X34BMFB	38.62
3 x 2"	3X2BMFB	163.69
4 x 3"	4X3BMFB	311.47
4 x 2½"	4X212BMFB	284.24
Galvanized		
2 x 1½"	2X112GMFB	152.20

Cap



SIZE	STOCK NO	EACH
Black		
⅛"	18BMCAP	2.70
¼"	14BMCAP	11.42
⅜"	38BMCAP	9.54
½"	12BMCAP	8.67
¾"	34BMCAP	11.75
1"	1BMCAP	14.23
1¼"	114BMCAP	18.74
1½"	112BMCAP	25.74
2"	2BMCAP	37.54
2½"	212BMCAP	85.52
3"	3BMCAP	127.09
3½"	312BMCAP	308.68
4"	4BMCAP	217.92
5"	5BMCAP	556.50
6"	6BMCAP	924.86
Galvanized		
⅛"	18GMCAP	2.85
¼"	14GMCAP	15.51
⅜"	38GMCAP	15.51
½"	12GMCAP	12.80
¾"	34GMCAP	17.71
1"	1GMCAP	21.94
1¼"	114GMCAP	28.90
1½"	112GMCAP	37.04
2"	2GMCAP	51.88
2½"	212GMCAP	150.67
3"	3GMCAP	182.59
4"	4GMCAP	403.42

Countersunk Plugs

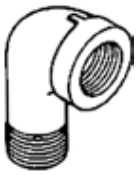


SIZE	STOCK NO	EACH
Black Steel		
⅛"	18BSCP	.39
¼"	14BSCP	.52
⅜"	38BSCP	.70
½"	12BSCP	1.18
Black Malleable		
¾"	34BMCP	1.88
1"	1BMCP	27.63
1¼"	114BMCP	28.90
1¼"	112BMCP	34.57
2"	2BMCP	51.06
2½"	212BMCP	80.68
3"	3BMCP	131.79
4"	4BMCP	355.16



90° Elbow

SIZE	STOCK NO	EACH
1/4"	14BM300L	43.44
3/8"	38BM300L	38.60
1/2"	12BM300L	52.27
3/4"	34BM300L	56.58
1"	1BM300L	72.24
1 1/4"	114BM300L	105.44
1 1/2"	112BM300L	124.32
2"	2BM300L	178.85
2 1/2"	212BM300L	450.23
3"	3BM300L	532.26
4"	4BM300L	1339.77



90° Street Elbow

SIZE	STOCK NO	EACH
1/4"	14BM300SL	51.46
1/2"	12BM300SL	67.24
3/4"	34BM300SL	95.51
1"	1BM300SL	112.00
1 1/2"	112BM300SL	190.34
2"	2BM300SL	296.23



45° Elbow

SIZE	STOCK NO	EACH
3/8"	38BM30045L	64.69
1/2"	12BM30045L	72.00
3/4"	34BM30045L	80.10
1"	1BM30045L	88.52
1 1/4"	114BM30045L	141.99
1 1/2"	112BM30045L	185.04
2"	2BM30045L	279.64



Tee

SIZE	STOCK NO	EACH
1/4"	14BM300T	54.76
3/8"	38BM300T	57.93
1/2"	12BM300T	73.80
3/4"	34BM300T	79.65
1"	1BM300T	95.84
1 1/4"	114BM300T	137.36
1 1/2"	112BM300T	160.15
2"	2BM300T	236.43
2 1/2"	212BM300T	584.67
3"	3BM300T	819.17
Reducing Tee		
1/2 x 1/4"	12X14BM300T	78.83
1 x 1/2"	1X12BM300T	143.83



Cross

Class 300

SIZE	STOCK NO	EACH
1"	1BM300X	264.38
1 1/2"	112BM300X	462.55

Reducer

SIZE	STOCK NO	EACH
1/2 x 1/4"	12X14BM300R	62.40
1/2 x 3/8"	12X38BM300R	62.40
3/4 x 3/8"	34X38BM300R	90.57
3/4 x 1/2"	34X12BM300R	63.79
1 x 1/2"	1X12BM300R	77.76
1 x 3/4"	1X34BM300R	76.22
1 1/4 x 1/2"	114X12BM300R	170.52
1 1/4 x 3/4"	114X34BM300R	104.10
1 1/4 x 1"	114X1BM300R	100.36
1 1/2 x 3/4"	112X34BM300R	142.74
1 1/2 x 1"	112X1BM300R	137.42
1 1/2 x 1 1/4"	112X114BM300R	156.30
2 x 1"	2X1BM300R	199.31
2 x 1 1/4"	2X114BM300R	243.68
2 x 1 1/2"	2X112BM300R	191.94
2 1/2 x 2"	212X2BM300R	391.47



Cap

SIZE	STOCK NO	EACH
1/4"	14BM300CAP	40.22
3/8"	38BM300CAP	40.22
1/2"	12BM300CAP	39.87
3/4"	34BM300CAP	50.33
1"	1BM300CAP	66.00
1 1/4"	114BM300CAP	73.12
1 1/2"	112BM300CAP	106.81
2"	2BM300CAP	148.46



300# and AAR Brass Seat Unions

SIZE	STOCK NO	EACH
Black Class 300		
1/4"	14BM300U	93.81
3/8"	38BM300U	94.95
1/2"	12BM300U	76.80
3/4"	34BM300U	85.08
1"	1BM300U	111.04
1 1/4"	114BM300U	181.08
1 1/2"	112BM300U	189.65
2"	2BM300U	234.93
2 1/2"	212BM300U	757.38
3"	3BM300U	979.83
4"	4BM300U	2089.95
Galvanized Class 300		
3/4"	34GM300U	133.64
1"	1GM300U	177.30
1 1/2"	112GM300U	297.69
2"	2GM300U	357.32

Unipipe Aluminum Piping System

unipipesolutions.com



Unipipe Pipes

For Compressed Air (also rated for oils & coolants)

SIZE	STOCK NO	EACH
Max Working Pressure 232 PSI (16 bar) - Light Blue		
¾" x 19'	UATT0020600	121.37
1" x 19'	UATT0025600	142.90
1¼" x 19'	UATT0032600	219.24
1½" x 19'	UATT0040600	285.80
2" x 19'	UATT0050600	391.50
2½" x 19'	UATT0063600	469.80
Max Working Pressure 1015 PSI (70 bar) - Dark Blue		
¾" x 13'	UCTT0020400	133.11
1" x 13'	UCTT0025400	172.26
2" x 13'	UCTT0050400	880.88
Max Working Pressure 1015 PSI (70 bar) - Oil Brown		
¾" x 13'	UOTT0020400	133.11
1" x 13'	UOTT0025400	172.26



Straight Couplings

SIZE	STOCK NO	EACH
Max Working Pressure 232 PSI (16 bar) - Light Blue		
¾"	UACC0020020	37.19
1"	UACC0025025	44.05
1¼"	UACC0032032	72.43
1½"	UACC0040040	88.09
2"	UACC0050050	176.18
2½"	UACC0063063	219.24
Max Working Pressure 1015 PSI (70 bar) - Dark Blue		
¾"	UCCC0020020	46.98
1"	UCCC0025025	54.81
2"	UCCC0050050	219.24
Max Working Pressure 1015 PSI (70 bar) - Oil Brown		
¾"	UOCC0020020	46.98
1"	UOCC0025025	54.81



Reducers

SIZE	STOCK NO	EACH
Max Working Pressure 232 PSI (16 bar) - Light Blue		
1" x ¾"	UASC0025020	37.19
1¼" x ¾"	UASC0032020	88.09
1¼" x 1"	UASC0032025	64.60
1½" x ¾"	UASC0040020	70.47
1½" x 1"	UASC0040025	74.39
1½" x 1¼"	UASC0040032	88.09
2" x 1¼"	UASC0050032	152.69
2" x 1½"	UASC0050040	117.45
2½" x 1½"	UASC0063040	207.50
2½" x 2"	UASC0063050	207.50
Max Working Pressure 1015 PSI (70 bar) - Oil Brown		
1" x ¾"	UOSC0025020	48.94



Fitting Plugs with Purge Valve

SIZE	STOCK NO	EACH
Max Working Pressure 1015 PSI (70 bar)		
¾"	UASV0020008	31.32
1"	UASV0025008	33.28
1¼"	UASV0032008	35.24
1½"	UASV0040008	52.85
2"	UASV0050008	82.22
2½"	UASV0063008	152.69



Tees

SIZE	STOCK NO	EACH
Max Working Pressure 232 PSI (16 bar) - Light Blue		
¾"	UACCT020020	66.56
1"	UACCT025025	82.22
1¼"	UACCT032032	125.28
1½"	UACCT040040	160.52
2"	UACCT050050	317.12
2½"	UACCT063063	411.08
Max Working Pressure 1015 PSI (70 bar) - Dark Blue		
¾"	UCCCT020020	76.34
1"	UCCCT025025	97.88
2"	UCCCT050050	391.50
Max Working Pressure 1015 PSI (70 bar) - Oil Brown		
¾"	UOCCT020020	76.34
1"	UOCCT025025	97.88



Tees with FNPT Branch Line

SIZE	BRACH SIZE	STOCK NO	EACH
Max Working Pressure 232 PSI (16 bar) - Light Blue			
¾"	½"	UACFT020015N	54.81
1"	¾"	UACFT025020N	66.56
1¼"	1"	UACFT032025N	97.88
1½"	1¼"	UACFT040032N	133.11
2"	1½"	UACFT050040N	254.48
2½"	2"	UACFT063050N	420.86



90° Elbows

SIZE	STOCK NO	EACH
Max Working Pressure 232 PSI (16 bar) - Light Blue		
¾"	UACC9020020	48.94
1"	UACC9025025	54.81
1¼"	UACC9032032	92.00
1½"	UACC9040040	109.62
2"	UACC9050050	225.11
2½"	UACC9063063	283.84
Max Working Pressure 1015 PSI (70 bar) - Dark Blue		
¾"	UCCC9020020	56.77
1"	UCCC9025025	66.56
2"	UCCC9050050	285.80
Max Working Pressure 1015 PSI (70 bar) - Oil Brown		
¾"	UOCC9020020	56.77
1"	UOCC9025025	66.56



45° Elbows

SIZE	STOCK NO	EACH
Max Working Pressure 232 PSI (16 bar) - Light Blue		
¾"	UACC4020020	45.02
1"	UACC4025025	54.81
1¼"	UACC4032032	97.88
1½"	UACC4040040	115.49
2"	UACC4050050	230.99
2½"	UACC4063063	317.12
Max Working Pressure 1015 PSI (70 bar) - Dark Blue		
¾"	UCCC4020020	52.85
1"	UCCC4025025	62.64
2"	UCCC4050050	274.05
Max Working Pressure 1015 PSI (70 bar) - Oil Brown		
¾"	UOCC4020020	52.85
1"	UOCC4025025	62.64



MNPT Adapters

SIZE	STOCK NO	EACH
Max Working Pressure 232 PSI (16 bar) - Light Blue		
¾" x ½"	UACM0020015N	27.41
¾" x ¾"	UACM0020020N	35.24
1" x ½"	UACM0025015N	45.02
1" x ¾"	UACM0025020N	43.07
1" x 1"	UACM0025025N	48.94
1¼" x 1"	UACM0032025N	54.81
1¼" x 1¼"	UACM0032032N	78.30
1½" x 1¼"	UACM0040032N	78.30
1½" x 1½"	UACM0040040N	88.09
2" x 1½"	UACM0050040N	127.24
2" x 2"	UACM0050050N	137.03
2½" x 2"	UACM0063050N	180.09
2½" x 2½"	UACM0063063N	254.48
Max Working Pressure 1015 PSI (70 bar) - Dark Blue		
¾" x ½"	UCCM0020015N	33.28
¾" x ¾"	UCCM0020020N	41.11
1" x ½"	UCCM0025015N	52.85
1" x ¾"	UCCM0025020N	52.85
1" x 1"	UCCM0025025N	58.73
2" x 2"	UCCM0050050N	164.43
Max Working Pressure 1015 PSI (70 bar) - Oil Brown		
¾" x ½"	UOCM0020015N	33.28
¾" x ¾"	UOCM0020020N	41.11
1" x ½"	UOCM0025015N	52.85
1" x ¾"	UOCM0025020N	52.85
1" x 1"	UOCM0025025N	58.73



FNPT Adapters

SIZE	STOCK NO	EACH
Max Working Pressure 232 PSI (16 bar) - Light Blue		
¾" x ½"	UACF0020015N	27.41
1" x ¾"	UACF0025020N	35.24
1¼" x 1"	UACF0032025N	54.81
1½" x 1¼"	UACF0040032N	70.47
2" x 1½"	UACF0050040N	121.37
2½" x 2"	UACF0063050N	185.96
Max Working Pressure 1015 PSI (70 bar) - Dark Blue		
¾" x ½"	UCCF0020015N	33.28
1" x ¾"	UCCF0025020N	41.11
2" x 1½"	UCCF0050040N	144.86



FNPT Wall Outlets

SIZE	STOCK NO	EACH
Max Working Pressure 232 PSI (16 bar)		
1" x ½" Single	UASFS025015N	72.43
1" x ½" Double	UASFD025015N	78.30



Fitting to Male Threaded Connector

SIZE X MALE THREADED CONNECTOR	STOCK NO	EACH
Max Working Pressure 232 PSI (70 bar)		
¾" x ½"	UCSM0020015N	27.41
1" x ¾"	UCSM0025020N	43.07
1¼" x 1"	UCSM0032025N	66.56
1½" x 1¼"	UCSM0040032N	86.13
2" x 1½"	UCSM0050040N	144.86

Unipipe Aluminum Piping System

unipipesolutions.com

Saddle Branches



Saddle Branches

SIZE	BRACH SIZE	STOCK NO	EACH
Max Working Pressure 580 PSI (40 bar)			
1"	¾"	UCIC0025020	84.17
1¼"	¾"	UCIC0032020	97.88
1½"	¾"	UCIC0040020	105.71
1½"	1"	UCIC0040025	109.62
2"	¾"	UCIC0050020	152.69
2"	1"	UCIC0050025	156.60
2½"	¾"	UCIC0063020	176.18
2½"	1"	UCIC0063025	180.09



FNTP Saddle Branches

SIZE	BRACH SIZE	STOCK NO	EACH
Max Working Pressure 580 PSI (40 bar)			
1"	½"	UCHF0025015N	37.19
1¼"	½"	UCHF0032015N	43.07
1½"	½"	UCHF0040015N	62.64
1½"	¾"	UCHF0040020N	62.64
2"	½"	UCHF0050015N	88.09
2"	¾"	UCHF0050020N	88.09
2"	1"	UCHF0050025N	88.09
2½"	½"	UCHF0063015N	133.11
2½"	¾"	UCHF0063020N	133.11
2½"	1"	UCHF0063025N	133.11

Valves



Ball Valves

SIZE	STOCK NO	EACH
Max Working Pressure 232 PSI (16 bar) - Light Blue		
¾"	UACCV020020	92.00
¾" x 1"	UACCV025020	97.88
1"	UACCV025025	117.45
1¼"	UACCV032032	225.11
1½"	UACCV040040	293.63
2"	UACCV050050	264.26
2½"	UACCV063063	665.55
Max Working Pressure 600 PSI (41 bar) - Dark Blue		
¾"	UCCCV020020	121.37
1"	UCCCV025025	160.52
2"	UCCCV050050	538.31
Max Working Pressure 600 PSI (41 bar) - Oil Brown		
¾"	UOCCV020020	121.37
1"	UOCCV025025	160.52



MNPT Ball Valves

SIZE	STOCK NO	EACH
Max Working Pressure 232 PSI (16 bar) - Light Blue		
¾" x ½"	UACMV020015N	78.30
1" x ¾"	UACMV025020N	109.62
1¼" x 1"	UACMV032025N	205.54
1½" x 1¼"	UACMV040032N	264.26
2" x 1½"	UACMV050040N	391.50
2½" x 2"	UACMV063050N	626.40
Max Working Pressure 600 PSI (41 bar) - Oil Brown		
¾"	UOCMV020015N	105.71
1"	UOCMV025020N	148.77



(252D)

Wall Mounted Drop End Ball Valves

SIZE X UNIVERSAL QUICK COUPLING	STOCK NO	EACH
Max Working Pressure 232 PSI (16 bar) - Light Blue		
¾" x ¼" Single	UASFSBQ020015N	219.24
1" x ¼" Single	UASFSBQ025015N	242.73
¾" x ¼" Double	UASFDBQ020015N	264.26
1" x ¼" Double	UASFDBQ025015N	285.80

Tools



Unipipe Fitting Wrenches

SIZE	STOCK NO	EACH
¾"	WFN20	70.47
1"	WFN25	78.30
1¼"	WFN32	88.09
1½"	WFN40	97.88
2"	WFN50	133.11
2½"	WFN63	152.69



Drilling Tools

SIZE	STOCK NO	EACH
½"	DTE14	97.88
¾"	DTE19	117.45
1"	DTE24	137.03



Multi-Reamer Inside & Outside

SIZE	STOCK NO	EACH
¾" - 2"	TR05	283.84



Depth Gauge

SIZE	STOCK NO	EACH
¾" - 6"	TIU160	39.15



Drop End Adapter Plate

STOCK NO	EACH
UAWMDA375	62.64

unipipe®
ALUMINUM PIPING SYSTEM

Standard Galvanized Steel Nipples (48)

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1/8" IPS

LENGTH	STOCK NO	EACH
Close	18XCGN	9.21
1½"	18X112GN	12.87
2"	18X2GN	12.87
2½"	18X212GN	16.98
3"	18X3GN	16.98
3½"	18X312GN	20.01
4"	18X4GN	20.01
4½"	18X412GN	35.83
5½"	18X512GN	40.16
6"	18X6GN	40.16

1/4" IPS

LENGTH	STOCK NO	EACH
Close	14XCGN	9.94
1½"	14X112GN	11.66
2"	14X2GN	11.66
2½"	14X212GN	15.15
3"	14X3GN	15.15
3½"	14X312GN	18.23
4"	14X4GN	18.23
4½"	14X412GN	24.77
5"	14X5GN	24.77
5½"	14X512GN	27.80
6"	14X6GN	27.80

3/8" IPS

LENGTH	STOCK NO	EACH
Close	38XCGN	10.80
1½"	38X112GN	12.37
2"	38X2GN	12.37
2½"	38X212GN	16.62
3"	38X3GN	16.62
3½"	38X312GN	19.59
4"	38X4GN	19.59
4½"	38X412GN	27.05
5"	38X5GN	27.05
5½"	38X512GN	30.05
6"	38X6GN	30.05



(40)

Metal Nipple Tray

SIZE	STOCK NO	EACH
½"	12NITR	60.36
¾"	34NITR	70.11
1"	1NITR	75.40



1/2" IPS

LENGTH	STOCK NO	EACH
Close	12XCGN	8.90
1½"	12X112GN	9.21
2"	12X2GN	9.21
2½"	12X212GN	10.95
3"	12X3GN	10.95
3½"	12X312GN	13.41
4"	12X4GN	13.41
4½"	12X412GN	16.08
5"	12X5GN	16.08
5½"	12X512GN	18.37
6"	12X6GN	18.37
7"	12X7GN	32.01
8"	12X8GN	32.01
9"	12X9GN	38.19
10"	12X10GN	38.19
11"	12X11GN	43.31
12"	12X12GN	43.31

3/4" IPS

LENGTH	STOCK NO	EACH
Close	34XCGN	10.57
1½"	34X112GN	11.45
2"	34X2GN	11.45
2½"	34X212GN	12.70
3"	34X3GN	12.70
3½"	34X312GN	16.62
4"	34X4GN	16.62
4½"	34X412GN	19.59
5"	34X5GN	19.59
5½"	34X512GN	23.73
6"	34X6GN	23.73
7"	34X7GN	41.03
8"	34X8GN	41.03
9"	34X9GN	45.48
10"	34X10GN	45.48
11"	34X11GN	51.08
12"	34X12GN	51.08

1" IPS

LENGTH	STOCK NO	EACH
Close	1XCGN	14.66
2"	1X2GN	17.16
2½"	1X212GN	18.60
3"	1X3GN	18.60
3½"	1X312GN	22.26
4"	1X4GN	22.26
4½"	1X412GN	27.39
5"	1X5GN	27.39
5½"	1X512GN	31.13
6"	1X6GN	31.13
7"	1X7GN	51.98
8"	1X8GN	51.98
9"	1X9GN	59.44
10"	1X10GN	59.44
12"	1X12GN	69.13

1¼" IPS

LENGTH	STOCK NO	EACH
Close	114XCGN	19.59
2"	114X2GN	21.22
2½"	114X212GN	22.99
3"	114X3GN	22.99
3½"	114X312GN	27.39
4"	114X4GN	27.39
4½"	114X412GN	33.97
5"	114X5GN	33.97
5½"	114X512GN	39.46
6"	114X6GN	39.46
7"	114X7GN	63.69
8"	114X8GN	63.69
9"	114X9GN	76.25
10"	114X10GN	76.25
11"	114X11GN	91.44
12"	114X12GN	91.44



1½" IPS

LENGTH	STOCK NO	EACH
Close	112XCGN	22.99
Butt.	112XBGN	91.29
2"	112X2GN	24.56
2½"	112X212GN	27.39
3"	112X3GN	27.39
3½"	112X312GN	34.70
4"	112X4GN	34.70
4½"	112X412GN	41.96
5"	112X5GN	41.96
5½"	112X512GN	47.01
6"	112X6GN	47.01
7"	112X7GN	73.09
8"	112X8GN	73.09
9"	112X9GN	85.27
10"	112X10GN	85.27
11"	112X11GN	97.44
12"	112X12GN	97.44

2" IPS

LENGTH	STOCK NO	EACH
Close	2XCGN	32.20
Butt.	2XBGN	128.39
2-1/2"	2X212GN	36.25
3"	2X3GN	36.25
3-1/2"	2X312GN	44.04
4"	2X4GN	44.04
4-1/2"	2X412GN	56.40
5"	2X5GN	56.40
5-1/2"	2X512GN	65.45
6"	2X6GN	65.45
7"	2X7GN	106.65
8"	2X8GN	106.65
10"	2X10GN	124.67
11"	2X11GN	143.07
12"	2X12GN	143.07

2½" IPS

LENGTH	STOCK NO	EACH
Close	212XCGN	95.99
3"	212X3GN	99.72
3½"	212X312GN	115.84
4"	212X4GN	115.84
4½"	212X412GN	129.10
5"	212X5GN	129.10
5½"	212X512GN	141.83
6"	212X6GN	141.83
8"	212X8GN	182.49
10"	212X10GN	207.97
12"	212X12GN	232.79

3" IPS

LENGTH	STOCK NO	EACH
Close	3XCGN	115.14
3"	3X3GN	131.03
3½"	3X312GN	153.66
4"	3X4GN	153.66
4½"	3X412GN	178.96
5"	3X5GN	178.96
5½"	3X512GN	189.43
6"	3X6GN	189.43
7"	3X7GN	255.07
8"	3X8GN	255.07
9"	3X9GN	290.95
10"	3X10GN	290.95
11"	3X11GN	327.02
12"	3X12GN	327.02

3½" IPS

LENGTH	STOCK NO	EACH
Close	312XCGN	202.88

4" IPS

LENGTH	STOCK NO	EACH
Close	4XCGN	172.45
4"	4X4GN	206.23
4½"	4X412GN	231.15
5"	4X5GN	231.15
5½"	4X512GN	255.60
6"	4X6GN	255.60
8"	4X8GN	304.92
10"	4X10GN	353.58
12"	4X12GN	402.41

6" IPS

LENGTH	STOCK NO	EACH
Close	6XCGN	928.56
6"	6X6GN	1212.22
8"	6X8GN	1461.05
12"	6X12GN	1991.30

"Redi-Sixes"

Six pieces of each, close thru 6"

SIZE	STOCK NO	EACH
¼"	14GN6P	1594.58
⅜"	38GN6P	1730.27
½"	12GN6P	1067.18
¾"	34GN6P	1307.21
1"	1GN6P	1798.17
1¼"	114GN6P	2314.39
1½"	112GN6P	2807.57
2"	2GN6P	3505.50

"Three -Pack"

Three pieces of each, close thru 6"

SIZE	STOCK NO	EACH
½"	12GN3P	565.23
¾"	34GN3P	694.66
1"	1GN3P	902.33
1¼"	114GN3P	1127.79
1½"	112GN3P	1368.14
2"	2GN3P	1708.13

"One-Pack"

One piece of each, close thru 6"

SIZE	STOCK NO	EACH
½"	12GN1P	202.46
¾"	34GN1P	247.93
1"	1GN1P	329.86
1¼"	114GN1P	431.72
1½"	112GN1P	523.85
2"	2GN1P	654.09

Standard Black Steel Nipples (48)

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1/8" IPS

LENGTH	STOCK NO	EACH
Close	18XCBN	7.43
1½"	18X112BN	8.99
2"	18X2BN	8.99
2½"	18X212BN	10.57
3"	18X3BN	10.57
3½"	18X312BN	12.70
4"	18X4BN	12.70
4½"	18X412BN	24.04
5"	18X5BN	24.04
5½"	18X512BN	26.53
6"	18X6BN	26.53

1/4" IPS

LENGTH	STOCK NO	EACH
Close	14XCBN	8.90
1½"	14X112BN	9.41
2"	14X2BN	9.41
2½"	14X212BN	12.19
3"	14X3BN	12.19
3½"	14X312BN	14.00
4"	14X4BN	14.00
4½"	14X412BN	21.22
5"	14X5BN	21.22
5½"	14X512BN	25.10
6"	14X6BN	25.10

3/8" IPS

LENGTH	STOCK NO	EACH
Close	38XCBN	8.99
1½"	38X112BN	10.27
2"	38X2BN	10.27
2½"	38X212BN	13.26
3"	38X3BN	13.26
3½"	38X312BN	15.57
4"	38X4BN	15.57
4½"	38X412BN	22.26
5"	38X5BN	22.26
5½"	38X512BN	24.77
6"	38X6BN	24.77

1/2" IPS

LENGTH	STOCK NO	EACH
Close	12XCBN	7.65
1½"	12X112BN	7.65
2"	12X2BN	7.65
2½"	12X212BN	8.99
3"	12X3BN	8.99
3½"	12X312BN	10.95
4"	12X4BN	10.95
4½"	12X412BN	12.70
5"	12X5BN	12.70
5½"	12X512BN	14.15
6"	12X6BN	14.15
7"	12X7BN	25.45
8"	12X8BN	25.45
9"	12X9BN	30.79
10"	12X10BN	30.79
11"	12X11BN	36.49
12"	12X12BN	36.49
18"	12X18BN	56.97
24"	12X24BN	74.32
30"	12X30BN	87.02
36"	12X36BN	102.74
48"	12X48BN	129.78
60"	12X60BN	155.61

3/4" IPS

LENGTH	STOCK NO	EACH
Close	34XCBN	8.90
1½"	34X112BN	9.41
2"	34X2BN	9.41
2½"	34X212BN	10.57
3"	34X3BN	10.57
3½"	34X312BN	13.26
4"	34X4BN	13.26
4½"	34X412BN	16.62
5"	34X5BN	16.62
5½"	34X512BN	18.74
6"	34X6BN	18.74
7"	34X7BN	31.31
8"	34X8BN	31.31
9"	34X9BN	36.25
10"	34X10BN	36.25
11"	34X11BN	40.49
12"	34X12BN	40.49
18"	34X18BN	70.23
24"	34X24BN	89.84
30"	34X30BN	105.25
36"	34X36BN	124.54
48"	34X48BN	165.90
60"	34X60BN	203.01

1" IPS

LENGTH	STOCK NO	EACH
Close	1XCBN	12.70
2"	1X2BN	14.00
2½"	1X212BN	14.66
3"	1X3BN	14.66
3½"	1X312BN	18.37
4"	1X4BN	18.37
4½"	1X412BN	21.55
5"	1X5BN	21.55
5½"	1X512BN	25.66
6"	1X6BN	25.66
7"	1X7BN	41.74
8"	1X8BN	41.74
9"	1X9BN	48.79
10"	1X10BN	48.79
11"	1X11BN	56.07
12"	1X12BN	56.07
18"	1X18BN	90.40
24"	1X24BN	118.14
30"	1X30BN	136.23
36"	1X36BN	164.30
48"	1X48BN	214.73
60"	1X60BN	270.26

1¼" IPS

LENGTH	STOCK NO	EACH
Close	114XCBN	16.08
2"	114X2BN	18.23
2½"	114X212BN	19.47
3"	114X3BN	19.47
3½"	114X312BN	22.99
4"	114X4BN	22.99
4½"	114X412BN	27.39
5"	114X5BN	27.39
5½"	114X512BN	32.60
6"	114X6BN	32.60
7"	114X7BN	52.53
8"	114X8BN	52.53
9"	114X9BN	62.98
10"	114X10BN	62.98
11"	114X11BN	71.29
12"	114X12BN	71.29
18"	114X18BN	114.95
24"	114X24BN	154.94
30"	114X30BN	182.86
36"	114X36BN	215.57
48"	114X48BN	285.62
60"	114X60BN	355.29

1½" IPS

LENGTH	STOCK NO	EACH
Close	112XCBN	20.01
2"	112X2BN	21.55
2½"	112X212BN	24.04
3"	112X3BN	24.04
3½"	112X312BN	27.05
4"	112X4BN	27.05
4½"	112X412BN	33.08
5"	112X5BN	33.08
5½"	112X512BN	37.81
6"	112X6BN	37.81
7"	112X7BN	60.10
8"	112X8BN	60.10
9"	112X9BN	70.40
10"	112X10BN	70.40
11"	112X11BN	81.11
12"	112X12BN	81.11

2" IPS

LENGTH	STOCK NO	EACH
Close	2XCBN	27.23
2½"	2X212BN	31.31
3"	2X3BN	31.31
3½"	2X312BN	37.81
4"	2X4BN	37.81
4½"	2X412BN	43.70
5"	2X5BN	43.70
5½"	2X512BN	51.08
6"	2X6BN	51.08
7"	2X7BN	85.41
8"	2X8BN	85.41
9"	2X9BN	100.45
10"	2X10BN	100.45
11"	2X11BN	115.70
12"	2X12BN	115.70



2½"

LENGTH	STOCK NO	EACH
Close	212XCBN	85.27
3"	212X3BN	87.36
3½"	212X312BN	102.74
4"	212X4BN	102.74
4½"	212X412BN	112.87
5"	212X5BN	112.87
5½"	212X512BN	117.81
6"	212X6BN	117.81
7"	212X7BN	149.77
8"	212X8BN	149.77
9"	212X9BN	168.36
10"	212X10BN	168.36
11"	212X11BN	187.15
12"	212X12BN	187.15

3"

LENGTH	STOCK NO	EACH
Close	3XCBN	101.17
3"	3X3BN	110.01
3½"	3X312BN	130.33
4"	3X4BN	130.33
4½"	3X412BN	143.63
5"	3X5BN	143.63
5½"	3X512BN	156.15
6"	3X6BN	156.15
7"	3X7BN	210.63
8"	3X8BN	210.63
9"	3X9BN	236.67
10"	3X10BN	236.67
11"	3X11BN	262.45
12"	3X12BN	262.45

3½"

LENGTH	STOCK NO	EACH
4"	312X4BN	192.63
6"	312X6BN	249.44

4"

LENGTH	STOCK NO	EACH
Close	4XCBN	152.44
4"	4X4BN	176.34
4½"	4X412BN	201.30
5"	4X5BN	201.30
5½"	4X512BN	215.20
6"	4X6BN	215.20
7"	4X7BN	248.45
8"	4X8BN	248.45
9"	4X9BN	283.00
10"	4X10BN	283.00
11"	4X11BN	331.60
12"	4X12BN	331.60

5"

LENGTH	STOCK NO	EACH
4½"	5X412BN	484.42
5"	5X5BN	484.42
6"	5X6BN	531.35

6"

LENGTH	STOCK NO	EACH
Close	6XCBN	464.48
4½"	6X412BN	546.52
5"	6X5BN	546.52
6"	6X6BN	606.14
8"	6X8BN	730.47
10"	6X10BN	845.92
12"	6X12BN	995.91

"Redi-Sixes"

Six pieces of each, close thru 6"

SIZE	STOCK NO	EACH
¼"	14BN6P	1343.98
⅜"	38BN6P	1411.17
½"	12BN6P	995.85
¾"	34BN6P	1217.38
1"	1BN6P	1456.29
1¼"	114BN6P	1883.79
1½"	112BN6P	2295.01
2"	2BN6P	2843.99

"Three-Pack"

Three pieces of each, close thru 6"

SIZE	STOCK NO	EACH
½"	12BN3P	455.94
¾"	34BN3P	556.12
1"	1BN3P	730.84
1¼"	114BN3P	918.36
1½"	112BN3P	1117.87
2"	2BN3P	1386.33

"One-Pack"

One piece of each, close thru 6"

SIZE	STOCK NO	EACH
½"	12BN1P	163.24
¾"	34BN1P	198.44
1"	1BN1P	266.90
1¼"	114BN1P	351.47
1½"	112BN1P	428.37
2"	2BN1P	530.59

Extra Heavy Black Steel Nipples (48)

wardmanufacturing.com



1/8"

LENGTH	STOCK NO	EACH
Close	18XCBXHN	6.24
1½"	18X112BXHN	7.16
2"	18X2BXHN	7.16
2½"	18X212BXHN	8.24
3"	18X3BXHN	8.24
4"	18X4BXHN	10.74
4½"	18X412BXHN	19.49
6"	18X6BXHN	21.19

1/4"

LENGTH	STOCK NO	EACH
Close	14XCBXHN	13.41
1½"	14X112BXHN	15.71
2"	14X2BXHN	15.71
2½"	14X212BXHN	20.49
3"	14X3BXHN	20.49
3½"	14X312BXHN	22.26
4"	14X4BXHN	22.26
4½"	14X412BXHN	35.24
5"	14X5BXHN	35.24
5½"	14X512BXHN	39.97
6"	14X6BXHN	39.97

3/8"

LENGTH	STOCK NO	EACH
Close	38XCBXHN	13.80
1½"	38X112BXHN	17.52
2"	38X2BXHN	17.52
2½"	38X212BXHN	20.64
3"	38X3BXHN	20.64
3½"	38X312BXHN	24.56
4"	38X4BXHN	24.56
4½"	38X412BXHN	35.24
5"	38X5BXHN	35.24
5½"	38X512BXHN	40.12
6"	38X6BXHN	40.12

1/2"

LENGTH	STOCK NO	EACH
Close	12XCBXHN	12.70
1½"	12X112BXHN	12.70
2"	12X2BXHN	12.70
2½"	12X212BXHN	15.36
3"	12X3BXHN	15.36
3½"	12X312BXHN	18.37
4"	12X4BXHN	18.37
4½"	12X412BXHN	20.93
5"	12X5BXHN	20.93
5½"	12X512BXHN	23.73
6"	12X6BXHN	23.73

3/4"

LENGTH	STOCK NO	EACH
Close	34XCBXHN	14.66
1½"	34X112BXHN	14.66
2"	34X2BXHN	14.66
2½"	34X212BXHN	17.69
3"	34X3BXHN	17.69
3½"	34X312BXHN	20.93
4"	34X4BXHN	20.93
4½"	34X412BXHN	25.99
5"	34X5BXHN	25.99
5½"	34X512BXHN	30.79
6"	34X6BXHN	30.79

1"

LENGTH	STOCK NO	EACH
Close	1XCBXHN	21.55
2"	1X2BXHN	24.25
2½"	1X212BXHN	25.10
3"	1X3BXHN	25.10
3½"	1X312BXHN	29.90
4"	1X4BXHN	29.90
4½"	1X412BXHN	35.78
5"	1X5BXHN	35.78
5½"	1X512BXHN	42.26
6"	1X6BXHN	42.26
8"	1X8BXHN	71.29

1¼"

LENGTH	STOCK NO	EACH
Close	114XCBXHN	26.53
2"	114X2BXHN	28.47
2½"	114X212BXHN	31.31
3"	114X3BXHN	31.31
3½"	114X312BXHN	39.08
4"	114X4BXHN	39.08
4½"	114X412BXHN	48.09
5"	114X5BXHN	48.09
5½"	114X512BXHN	54.15
6"	114X6BXHN	54.15

1½"

LENGTH	STOCK NO	EACH
Close	112XCBXHN	33.29
2"	112X2BXHN	35.91
2½"	112X212BXHN	38.75
3"	112X3BXHN	38.75
3½"	112X312BXHN	46.72
4"	112X4BXHN	46.72
4½"	112X412BXHN	54.28
5"	112X5BXHN	54.28
5½"	112X512BXHN	62.26
6"	112X6BXHN	62.26

2"

LENGTH	STOCK NO	EACH
Close	2XCBXHN	45.48
2½"	2X212BXHN	51.27
3"	2X3BXHN	51.27
3½"	2X312BXHN	58.83
4"	2X4BXHN	58.83
4½"	2X412BXHN	72.85
5"	2X5BXHN	72.85
5½"	2X512BXHN	84.04
6"	2X6BXHN	84.04

2½"

LENGTH	STOCK NO	EACH
Close	212XCBXHN	139.17
3"	212X3BXHN	145.04
3½"	212X312BXHN	169.11
4"	212X4BXHN	169.11
4½"	212X412BXHN	191.88
5"	212X5BXHN	191.88
5½"	212X512BXHN	209.22
6"	212X6BXHN	209.22

3"

LENGTH	STOCK NO	EACH
Close	3XCBXHN	169.99
3"	3X3BXHN	189.09
3½"	3X312BXHN	220.55
4"	3X4BXHN	220.55
4½"	3X412BXHN	241.99
5"	3X5BXHN	241.99
5½"	3X512BXHN	264.24
6"	3X6BXHN	264.24

"Six-Pack"

Six pieces of each, close thru 6"

SIZE	STOCK NO	EACH
½"	12BXHN6P	1516.40
¾"	34BXHN6P	1718.75
1"	1BXHN6P	2439.23
1¼"	114BXHN6P	3248.30
1½"	112BXHN6P	3838.36
2"	2BXHN6P	4707.86

"Three-Pack"

Three pieces of each, close thru 6"

SIZE	STOCK NO	EACH
½"	12BXHN3P	760.36
¾"	34BXHN3P	916.26
1"	1BXHN3P	1218.70
1¼"	114BXHN3P	1563.42
1½"	112BXHN3P	1848.61
2"	2BXHN3P	2269.07

Extra Heavy Black Steel A106 Seamless Nipples (48)

wardmanufacturing.com



1/8"

LENGTH	STOCK NO	EACH
Close	18XCBXHSN	16.21
2"	18X2BXHSN	18.50
3"	18X3BXHSN	15.48
4"	18X4BXHSN	18.76
5"	18X5BXHSN	40.29
6"	18X6BXHSN	32.16

1/4"

LENGTH	STOCK NO	EACH
Close	14XCBXHSN	19.08
1½"	14X112BXHSN	19.52
2"	14X2BXHSN	21.57
2½"	14X212BXHSN	23.50
3"	14X3BXHSN	26.13
3½"	14X312BXHSN	29.03
4"	14X4BXHSN	32.16
4½"	14X412BXHSN	34.97
5"	14X5BXHSN	49.59
5½"	14X512BXHSN	52.34
6"	14X6BXHSN	55.87

3/8"

LENGTH	STOCK NO	EACH
Close	38XCBXHSN	20.61
1½"	38X112BXHSN	21.50
2"	38X2BXHSN	23.50
2½"	38X212BXHSN	26.41
3"	38X3BXHSN	29.69
3½"	38X312BXHSN	32.65
4"	38X4BXHSN	35.54
4½"	38X412BXHSN	39.07
5"	38X5BXHSN	52.08
5½"	38X512BXHSN	55.64
6"	38X6BXHSN	59.26

1/2"

LENGTH	STOCK NO	EACH
Close	12XCBXHSN	10.51
1½"	12X112BXHSN	11.18
2"	12X2BXHSN	12.29
2½"	12X212BXHSN	13.58
3"	12X3BXHSN	14.96
3½"	12X312BXHSN	16.95
4"	12X4BXHSN	18.67
4½"	12X412BXHSN	20.51
5"	12X5BXHSN	23.65
5½"	12X512BXHSN	25.73
6"	12X6BXHSN	27.84

3/4"

LENGTH	STOCK NO	EACH
Close	34XCBXHSN	11.86
1½"	34X112BXHSN	12.67
2"	34X2BXHSN	13.28
2½"	34X212BXHSN	15.02
3"	34X3BXHSN	16.71
3½"	34X312BXHSN	19.04
4"	34X4BXHSN	20.90
4½"	34X412BXHSN	22.82
5"	34X5BXHSN	26.06
5½"	34X512BXHSN	27.98
6"	34X6BXHSN	30.07

1"

LENGTH	STOCK NO	EACH
Close	1XCBXHSN	16.76
2"	1X2BXHSN	17.79
2½"	1X212BXHSN	19.05
3"	1X3BXHSN	22.27
3½"	1X312BXHSN	24.69
4"	1X4BXHSN	27.58
4½"	1X412BXHSN	30.02
5"	1X5BXHSN	34.74
5½"	1X512BXHSN	37.18
6"	1X6BXHSN	39.67

1¼"

LENGTH	STOCK NO	EACH
Close	114XCBXHSN	21.06
2"	114X2BXHSN	21.87
2½"	114X212BXHSN	24.09
3"	114X3BXHSN	27.99
3½"	114X312BXHSN	30.58
4"	114X4BXHSN	34.21
4½"	114X412BXHSN	37.21
5"	114X5BXHSN	43.15
5½"	114X512BXHSN	46.41
6"	114X6BXHSN	49.59

1½"

LENGTH	STOCK NO	EACH
Close	112XCBXHSN	25.35
2"	112X2BXHSN	26.79
2½"	112X212BXHSN	29.12
3"	112X3BXHSN	33.53
3½"	112X312BXHSN	36.58
4"	112X4BXHSN	40.95
4½"	112X412BXHSN	44.79
5"	112X5BXHSN	51.76
5½"	112X512BXHSN	55.05
6"	112X6BXHSN	58.21

2"

LENGTH	STOCK NO	EACH
Close	2XCBXHSN	30.07
2½"	2X212BXHSN	33.75
3"	2X3BXHSN	39.25
3½"	2X312BXHSN	42.23
4"	2X4BXHSN	47.14
4½"	2X412BXHSN	50.84
5"	2X5BXHSN	59.56
5½"	2X512BXHSN	64.28
6"	2X6BXHSN	68.00
8"	2X8BXHSN	107.35

2½"

LENGTH	STOCK NO	EACH
Close	212XCBXHSN	99.93
3"	212X3BXHSN	104.66
3½"	212X312BXHSN	112.69
4"	212X4BXHSN	116.86
4½"	212X412BXHSN	123.19
5"	212X5BXHSN	131.54
6"	212X6BXHSN	144.05

3"

LENGTH	STOCK NO	EACH
Close	3XCBXHSN	126.04
3"	3X3BXHSN	133.27
3½"	3X312BXHSN	142.39
4"	3X4BXHSN	150.72
4½"	3X412BXHSN	159.07
5"	3X5BXHSN	170.18
5½"	3X512BXHSN	178.78
6"	3X6BXHSN	187.04

Wardflex Tubing & Fittings (18e)

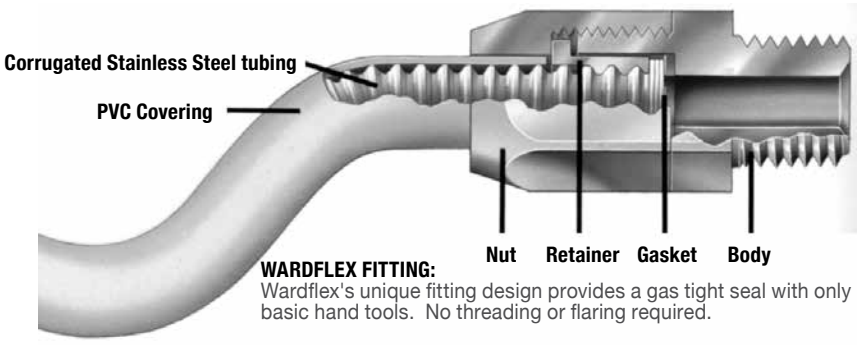
Alternative to Steel Pipe

wardflex.com

PLEASE NOTE:

Ward Manufacturing requires that installation of this product be performed only by installers who have been properly trained by Ward Manufacturing and who have been issued a Certificate of Training from Ward Mfg. Accordingly, Goodin Company offers this product for sale only to customers who have been certified to us by Ward Mfg as qualified to install this product.

Continuous flexible annular stainless steel gas piping system. Eliminates the majority of connections for faster installation and less chance of leakage.



WARDFLEX FITTING:
Wardflex's unique fitting design provides a gas tight seal with only basic hand tools. No threading or flaring required.



50' Coils Yellow Tubing

Sold per each coil.

SIZE	STOCK NO	COIL
½"	WF12X50TU	267.68
¾"	WF34X50TU	349.37
1"	WF1X50TU	498.19
1¼"	WF114X50TU	623.40
1½"	WF112X50TU	1100.40

100' Coils Yellow Tubing

Sold per each coil.

SIZE	STOCK NO	COIL
⅜"	WF38X100TU	479.14
½"	WF12X100TU	535.38
¾"	WF34X100TU	698.77
1"	WF1X100TU	996.38
1¼"	WF114X100TU	1246.85
1½"	WF112X100TU	2188.80

150' Coils Yellow Tubing

Sold per each coil.

SIZE	STOCK NO	COIL
1½"	WF112X150TU	3283.23

180' Coils Yellow Tubing

Sold per each coil.

SIZE	STOCK NO	COIL
¾"	WF34X180TU	1257.74
1"	WF1X180TU	1793.52

250' Coils Yellow Tubing

Sold per each coil.

SIZE	STOCK NO	COIL
½"	WF12X250TU	1337.59

Wardflex II Stainless Steel Tubing



50' Coils Black Tubing

Sold per each coil.

SIZE	STOCK NO	COIL
½"	WFII12X50TU	322.30
¾"	WFII34X50TU	419.43
1"	WFII1X50TU	599.21
1¼"	WFII114X50TU	749.30

100' Coils Black Tubing

Sold per each coil.

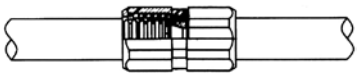
SIZE	STOCK NO	COIL
½"	WFII12X100TU	586.43
¾"	WFII34X100TU	763.28
1"	WFII1X100TU	1089.06
1¼"	WFII114X100TU	1362.49

250' Coils Black Tubing

Sold per each coil.

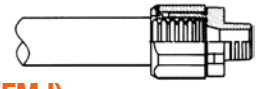
SIZE	STOCK NO	COIL
½"	WFII12X250TU	1466.05
¾"	WFII34X250TU	1908.17

WARDFLEX™



Mechanical Coupling (WFC)

SIZE	STOCK NO	EACH
⅜"	WF38C	36.02
½"	WF12C	41.00
¾"	WF34C	56.42
1"	WF1C	91.03
1¼"	WF114C	193.98
1½"	WF112C	405.96
2"	WF2C	693.62



Joint fitting (WFMJ)

SIZE	STOCK NO	EACH
⅜"	WF38MJ	20.66
½"	WF12MJ	22.26
¾"	WF34MJ	30.36
1"	WF1MJ	50.41
1¼"	WF114MJ	104.15
1½"	WF112MJ	214.23
2"	WF2MJ	365.09



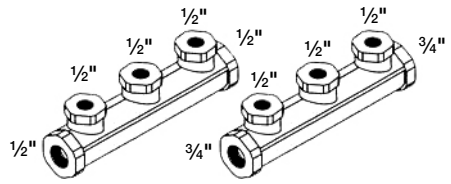
Termination Fittings

SIZE	STOCK NO	EACH
Outdoor (WF_OTF)		
⅜"	WF38OTF	35.38
½"	WF12OTF	37.80
¾"	WF34OTF	44.59
1"	WF1OTF	61.76
Indoor (WF_ITF)		
½"	WF12ITF	31.79
¾"	WF34ITF	33.40



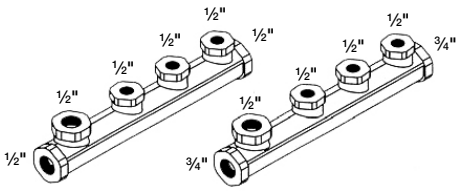
O-Ring for Outdoor Termination Kit (WFOR)

SIZE	STOCK NO	EACH
⅜"	WF38ORI	3.70
½"	WF12ORI	3.70
¾"	WF34ORI	4.60



3 Port Manifolds

LINE SIZE	STOCK NO	EACH
½"	WFDX3M	41.65
¾"	WFEX3DM	44.91



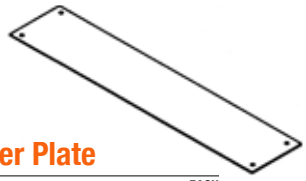
4 Port Manifolds

LINE SIZE	STOCK NO	EACH
½"	WFDX4M	50.94
¾"	WFEX4DM	50.94



Full Striker Plate

STOCK NO	EACH
WFFSP	6.89



Large Striker Plate

STOCK NO	EACH
WFLSP	30.39



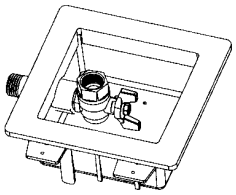
Half Striker Plate

STOCK NO	EACH
WFHSP	3.31



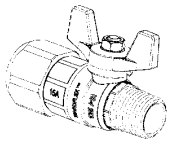
Quarter Striker Plate

STOCK NO	EACH
WFQSP	1.69



Flush Mount Gas Valve Kit

STOCK NO	EACH
WF1WFFMKIT	88.88



Valve Assembly

SIZE	STOCK NO	EACH
¾"	WF34V	62.18
½"	WF12V	49.17

Male Mechanical Joint Tee

SIZE	STOCK NO	EACH
½" x ½" x ½"	WF12MJT	68.89
¾" x ¾" x ¾"	WF34MJT	85.40
¾" x ¾" x ½"	WF34X12MJT	85.58

Female Mechanical Joint Fitting

SIZE	STOCK NO	EACH
½" x ½"	WF12MJF	22.26
¾" x ¾"	WF34MJF	32.06
1" x 1"	WF1MJF	46.94

#800 Bonding Clamp

SIZE	STOCK NO	EACH
⅜"—1"	WF38X1BC	11.73



Appliance Stub Out

SIZE	STOCK NO	EACH
½"	WF12ASO	23.61



Stripwound Metal Conduit

SIZE	STOCK NO	EACH
½"x 12"	WF12X12HO	4.10
¾"x 12"	WF34X12HO	6.49
1"x 12"	WF1X12HO	7.74



Tube Cutter

SIZE	STOCK NO	EACH
Black & Yellow #658		
⅜" - 1¼"	WF10AX32A	161.15
Replacement Wheel #659		
⅜" - 1¼"	WFW10AX32A	51.83



Manifold Bracket Assembly

STOCK NO	EACH
WF1WFMBRKA	17.28



Mechanical Joint Gasket

SIZE	STOCK NO	EACH
1"	WF1MJG	3.21



Residential Gas Connector with Valve

3/8"MIP X 1/2"FIP(Ball)

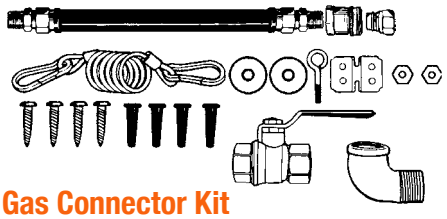
LGTH	STOCK NO	EACH
12"	DOGACO	40.66



BP Series Commercial Gas Connector

Stainless steel corrugated hose, encased in stainless steel braid, covered with a thick Supr-Flex™ (plastic) coating.

SIZE	STOCK NO	EACH
1/2 x 36"	DO1650BP36	241.73
1/2 x 48"	DO1650BP48	272.82
3/4 x 36"	DO1675BP36	327.79
3/4 x 48"	DO1675BP48	377.24
1 x 36"	DO16100BP36	368.05
1 x 48"	DO16100BP48	432.27



Gas Connector Kit

Contains:

- BPQ Series Stainless Steel Gas Connector with Push-to-Connect Quick Disconnect Coupling
- Coiled restraining device with installation hardware and instructions
- Full port gas ball valve
- 90° Street elbow

HOSE SIZE	STOCK NO	EACH
1/2 x 36"	DO1650K36	417.56
1/2 x 48"	DO1650K48	437.71
3/4 x 36"	DO1675K36	554.92
3/4 x 48"	DO1675K48	596.98
1 x 36"	DO16100K36	686.73
1 x 48"	DO16100K48	750.84



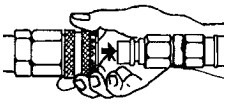
Uncoated Stainless Steel Corrugated Gas Appliance Connectors

Rated for Indoor & Outdoor use

1/2" I.D. (5/8" O.D.) w/Fittings

LGTH	STOCK NO	EACH
1/2" FIP x 1/2" MIP		
(•) 24"	DO30313224	31.91
(•) 36"	DO30313236	36.46
48"	DO30313248	46.48
3/4" FIP x 3/4" MIP		
(•) 18"	DO30414218	27.89
(•) 24"	DO30414224	31.91
(•) 36"	DO30414236	36.46
48"	DO30414248	46.48

(•)-Approved for use with Radiant Tube Heating Appliances when installed according to manufacturers instructions.



Type A Push-to-Connect Coupling

- "Push to connect" with one hand, gas flow begins as soon as components are joined
- Push or pull operating ring, coupling separates and gas flow shuts off
- Thermal shut off at temperatures above 350°

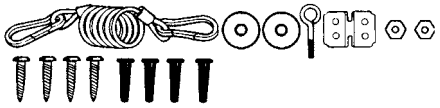
SIZE	STOCK NO	EACH
1/2"	DOA50	148.70
3/4"	DOA75	180.82
1"	DOA100	244.96



Supr-Swivel™ Coupling

- Relieves multiple plane stresses.
- 230° rotational and 360° spherical movement
- Enhances flow over simple 90° fitting
- Increases usable aisle work space by decreasing space behind equipment

SIZE	STOCK NO	EACH
3/4"	DOS75	229.35



Coiled Restraining Device

Includes commercial mounting hardware

LGTH	STOCK NO	EACH
36"	DORDC36	56.04
48"	DORDC48	52.83

Reserved



Straight 90° Elbow
No 101

SIZE	STOCK NO	EACH
¼"	14CIL	25.15
½"	12CIL	15.94
¾"	34CIL	16.61
1"	1CIL	19.70
1¼"	114CIL	27.95
1½"	112CIL	38.62
2"	2CIL	60.40
2½"	212CIL	144.71
3"	3CIL	236.98
4"	4CIL	439.34
5"	5CIL	979.48
6"	6CIL	1303.32

90° Elbow Reducing
No 102

SIZE	STOCK NO	EACH
¾ x ½"	34X12CIL	33.55
1 x ¾"	1X34CIL	28.01
1¼ x 1"	114X1CIL	35.26
1¼ x ¾"	114X34CIL	40.22
1¼ x ½"	114X12CIL	39.54
1½ x 1¼"	112X114CIL	71.23
1½ x 1"	112X1CIL	65.12
1½ x ¾"	112X34CIL	65.12
2 x 1½"	2X112CIL	95.30
2 x 1¼"	2X114CIL	101.90
2 x 1"	2X1CIL	95.30
2 x ¾"	2X34CIL	95.30
2½ x 2"	212X2CIL	192.48
2½ x 1¼"	212X114CIL	222.26
2½ x 1"	212X1CIL	222.26
3 x 2½"	3X212CIL	363.35
3 x 2"	3X2CIL	334.76
3 x 1½"	3X112CIL	363.35
4 x 3"	4X3CIL	619.96
4 x 2"	4X2CIL	619.96
6 x 4"	6X4CIL	1922.62



45° Elbow
No 120

SIZE	STOCK NO	EACH
½"	12CI45L	24.44
¾"	34CI45L	24.57
1"	1CI45L	28.82
1¼"	114CI45L	38.73
1½"	112CI45L	64.17
2"	2CI45L	74.02
2½"	212CI45L	192.51
3"	3CI45L	304.91



Straight Tee
No 131

SIZE	STOCK NO	EACH
¼"	14CIT	40.08
⅜"	38CIT	38.27
½"	12CIT	24.87
¾"	34CIT	29.00
1"	1CIT	25.81
1¼"	114CIT	47.10
1½"	112CIT	61.22
2"	2CIT	85.23
2½"	212CIT	221.44
3"	3CIT	339.85
4"	4CIT	662.89
5"	5CIT	1844.91
6"	6CIT	2094.62

Reducing Tee
No 132

SIZE	STOCK NO	EACH
½ x ¾"	12X34CIT	46.80
¾ x 1"	34X1CIT	47.33
¾ x ¾ x ½"	34X12CIT	40.30
¾ x ½ x ¾"	34X12X34CIT	46.80
¾ x ½ x ½"	34X12X12CIT	46.80
1 x 1½"	1X112CIT	90.67
1 x 1¼"	1X114CIT	55.78
1 x ¾"	1X34CIT	34.92
1 x ½"	1X12CIT	29.08
1 x ¾ x 1"	1X34X1CIT	38.96
1 x ¾ x ¾"	1X34X34CIT	48.61
1 x ½ x 1"	1X12X1CIT	38.33
1 x ½ x ¾"	1X12X34CIT	52.95
1 x ½ x ½"	1X12X12CIT	58.12
1¼ x 1½"	114X112CIT	86.31
1¼ x 1"	114X1CIT	46.53
1¼ x ¾"	114X34CIT	50.49
1¼ x ½"	114X12CIT	46.47
1¼ x 1 x 1¼"	114X1X114CIT	51.39
1¼ x 1 x 1"	114X1X1CIT	46.53
1¼ x 1 x ¾"	114X1X34CIT	53.30
1¼ x 1 x ½"	114X1X12CIT	47.14
1¼ x ½ x 1¼"	114X12X114CIT	71.94
1½ x 2"	112X2CIT	94.39
1½ x 1¼"	112X114CIT	86.31
1½ x 1"	112X1CIT	60.68
1½ x ¾"	112X34CIT	65.54
1½ x ½"	112X12CIT	60.68
1½ x 1¼ x 1½"	112X114X112CIT	86.31
1½ x 1¼ x 1¼"	112X114X114CIT	86.31
1½ x 1¼ x 1"	112X114X1CIT	60.68
1½ x 1¼ x ½"	112X114X12CIT	65.54
1½ x 1 x 1½"	112X1X112CIT	71.97
1½ x 1 x 1¼"	112X1X114CIT	99.83
1½ x 1 x 1"	112X1X1CIT	86.31
1½ x ¾ x 1½"	112X34X112CIT	94.00
1½ x ½ x 1½"	112X12X112CIT	96.21
1½ x ½ x 1¼"	112X12X114CIT	109.32

Reducing Tee - Continued

SIZE	STOCK NO	EACH
2 x 1½"	2X112CIT	102.07
2 x 1¼"	2X114CIT	96.61
2 x 1"	2X1CIT	86.01
2 x ¾"	2X34CIT	86.01
2 x ½"	2X12CIT	86.01
2 x 1½ x 2"	2X112X2CIT	117.30
2 x 1½ x 1½"	2X112X112CIT	132.10
2 x 1½ x 1¼"	2X112X114CIT	134.69
2 x 1½ x 1"	2X112X1CIT	86.01
2 x 1½ x ¾"	2X112X34CIT	98.44
2 x 1½ x ½"	2X112X12CIT	98.44
2 x 1¼ x 2"	2X114X2CIT	117.30
2 x 1¼ x 1¼"	2X114X114CIT	134.82
2 x 1¼ x 1"	2X114X1CIT	151.50
2 x 1 x 2"	2X1X2CIT	135.89
2 x 1 x 1"	2X1X1CIT	151.50
2 x ¾ x 2"	2X34X2CIT	123.19
2x ½ x 2"	2X12X2CIT	134.82
2½ x 2"	212X2CIT	251.11
2½ x 1"	212X1CIT	246.20
2½ x ¾"	212X34CIT	251.11
2½ x ½"	212X12CIT	279.13
2½ x 2 x 2½"	212X2X212CIT	252.22
2½ x 2 x 2"	212X2X2CIT	257.05
2½ x 2 x 1½"	212X2X112CIT	279.13
2½ x 2 x 1¼"	212X2X114CIT	291.18
2½ x 2 x 1"	212X2X1CIT	251.11
2½ x 2 x ¾"	212X2X34CIT	246.20
2½ x 1½ x 1½"	212X112X112CIT	291.18
2½ x 1¼ x 2½"	212X114X212CIT	291.18
2½ x ¾ x 2½"	212X34X212CIT	256.89
2½ x ½ x 2½"	212X12X212CIT	262.90
3 x 2½"	3X212CIT	437.56
3 x 2"	3X2CIT	376.35
3 x 1½"	3X112CIT	437.56
3 x 1¼"	3X114CIT	403.20
3 x 1"	3X1CIT	368.58
4 x 2½"	4X212CIT	805.13
4 x 2"	4X2CIT	770.59
4 x 1½"	4X112CIT	873.68



Cross Tee

No 161

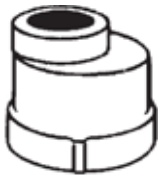
SIZE	STOCK NO	EACH
¾"	34CIX	68.50
1"	1CIX	79.80
1¼"	114CIX	112.54
2"	2CIX	216.11



Concentric Reducer

No 178

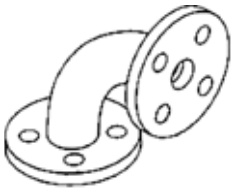
SIZE	STOCK NO	EACH
¾ x ½"	34X12CIR	43.32
1 x ¾"	1X34CIR	30.24
1 x ½"	1X12CIR	22.80
1¼ x 1"	114X1CIR	78.37
1½ x 1¼"	112X114CIR	110.88
2 x 1½"	2X112CIR	144.99
2 x 1¼"	2X114CIR	151.50
2 x 1"	2X1CIR	129.11
2½ x 2"	212X2CIR	206.08
3 x 2½"	3X212CIR	332.61
3 x 2"	3X2CIR	252.57
4 x 3"	4X3CIR	681.71
4 x 2"	4X2CIR	681.71



Eccentric Reducer

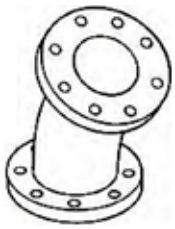
No 179

SIZE	STOCK NO	EACH
¾ x ½"	34X12CIER	91.13
1 x ¾"	1X34CIER	98.42
1 x ½"	1X12CIER	95.67
1¼ x 1"	114X1CIER	146.62
1¼ x ¾"	114X34CIER	142.48
1¼ x ½"	114X12CIER	157.23
1½ x 1¼"	112X114CIER	198.76
1½ x 1"	112X1CIER	207.87
1½ x ¾"	112X34CIER	207.87
2 x 1½"	2X112CIER	263.57
2 x 1¼"	2X114CIER	258.36
2 x 1"	2X1CIER	271.34
2 x ¾"	2X34CIER	299.52
2-1/2 x 2"	212X2CIER	402.46
2½ x 1½"	212X112CIER	412.05
2½ x 1¼"	212X114CIER	431.69
2½ x 1"	212X1CIER	431.69
3 x 2½"	3X212CIER	628.20
3 x 2"	3X2CIER	498.97
3 x 1½"	3X112CIER	580.80
4 x 2"	4X2CIER	1174.01
4 x 3"	4X3CIER	1264.96



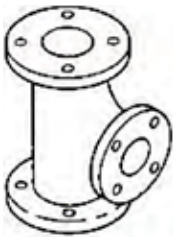
90° Elbow

SIZE	STOCK NO	EACH
2½"	212CIFL	907.55
3"	3CIFL	757.50
4"	4CIFL	936.79
5"	5CIFL	2218.68
6"	6CIFL	1466.73
8"	8CIFL	2532.68



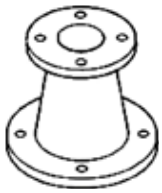
45° Elbow

SIZE	STOCK NO	EACH
3"	3CIF45L	1260.93
4"	4CIF45L	1419.24



Tee

SIZE	STOCK NO	EACH
3"	3CIFT	937.70
4"	4CIFT	1426.38
6"	6CIFT	2069.94
8"	8CIFT	3536.41
4x2"	4X2CIFT	2935.94
4x3"	4X3CIFT	2935.94
6x4"	6X4CIFT	2826.39
6x3"	6X3CIFT	4111.65
6x4x6"	6X4X6CIFT	3256.44
8x6"	8X6CIFT	4415.28
8x4"	8X4CIFT	5305.62



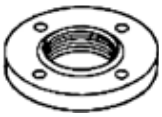
Reducer

SIZE	STOCK NO	EACH
3x 2½"	3X212CIFR	1681.06
4x3"	4X3CIFR	1888.79
5x4"	5X4CIFR	2920.58
6x4"	6X4CIFR	2529.50
6x5"	6X5CIFR	2778.57
8x4"	8X4CIFR	3667.23
8x6"	8X6CIFR	3183.46



Unions

SIZE	STOCK NO	EACH
4"	4CIFU	773.19
6"	6CIFU	1691.64



Companion Flanges

For 125Lbs. Pressure
Straight Black-faced and Drilled

SIZE	STOCK NO	EACH
1 x 4¼"	1CISCF	122.39
1¼ x 4⅝"	114CISCF	146.48
1½ x 5"	112CISCF	135.35
2 x 6"	2CISCF	135.07
2½ x 7"	212CISCF	158.03
3 x 7½"	3CISCF	203.55
4 x 9"	4CISCF	274.32
5 x 10"	5CISCF	387.52
6 x 11"	6CISCF	438.44
8 x 13½"	8CISCF	692.09

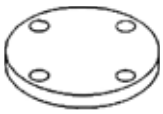
Galvanized Screwed Flanges

SIZE	STOCK NO	EACH
2 x 6"	2GCSCF	286.21
2½ x 7"	212GCSCF	334.81
3 x 7½"	3GCSCF	406.89
4 x 9"	4GCSCF	554.16
6 x 11"	6GCSCF	929.92

Reducing Companion Flanges

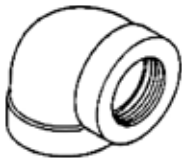
Black-faced and Drilled

SIZE	STOCK NO	EACH
2 x 7"	2X7CISCF	264.57
2 x 7½"	2X712CISCF	352.77
2 x 9"	2X9CISCF	479.45
2 x 11"	2X11CISCF	876.85
2½ x 7½"	212X712CISCF	378.55
2½ x 9"	212X9CISCF	514.46
3 x 9"	3X9CISCF	479.45
3 x 11"	3X11CISCF	876.85
4 x 10"	4X10CISCF	741.93
4 x 11"	4X11CISCF	723.13
4 x 13½"	4X1312CISCF	1237.73



Blind Flange

SIZE	STOCK NO	EACH
2½ x 7"	212CIBLF	271.36
3 x 7½"	3CIBLF	325.24
6 x 11"	6CIBLF	736.33



90° Elbow
No 301

SIZE	STOCK NO	EACH
1½"	112BDL	95.84
2"	2BDL	144.32



90° Long Turn Elbow
No 306

SIZE	STOCK NO	EACH
1½"	112BDLTL	134.08
2"	2BDLTL	199.67



60° Elbow
No 319

SIZE	STOCK NO	EACH
1½"	112BD60L	173.45



45° Elbow
No 320

SIZE	STOCK NO	EACH
1½"	112BD45L	93.66
2"	2BD45L	135.23



Short T-Y Straight
No 342

SIZE	STOCK NO	EACH
1½"	112BDST	154.63
2"	2BDST	254.88
3"	3BDST	981.00

No 343 Reducing

2 x 2 x 1½"	2X112BDST	262.06



Long T-Y Straight
No 344

SIZE	STOCK NO	EACH
1½"	112BDLTY	258.39
2"	2BDLTY	402.93



45° Wye Straight
No 350

SIZE	STOCK NO	EACH
1½"	112BDY	189.38
2"	2BDY	343.10



"P" Traps Less Cleanou
No 369

SIZE	STOCK NO	EACH
1½"	112BDPT	281.38
2"	2BDPT	463.37

Forged Steel Screwed Fittings (05)



90° Elbow

SIZE	STOCK NO	EACH
2000 LB		
1/4"	14FSL	10.34
3/8"	38FSL	11.97
1/2"	12FSL	10.49
3/4"	34FSL	11.43
1"	1FSL	14.73
1 1/4"	114FSL	29.46
1 1/2"	112FSL	35.94
2"	2FSL	49.29
2 1/2"	212FSL	129.72
3"	3FSL	200.30
3000 LB		
1/4"	14FS3ML	14.81
3/8"	38FS3ML	14.81
1/2"	12FS3ML	11.35
3/4"	34FS3ML	14.24
1"	1FS3ML	21.17
1 1/4"	114FS3ML	40.22
1 1/2"	112FS3ML	51.88
2"	2FS3ML	63.00
2-1/2"	212FS3ML	186.49
3"	3FS3ML	268.66



90° Street Elbow

SIZE	STOCK NO	EACH
3000 LB		
1/4"	14FS3MSL	22.17
3/8"	38FS3MSL	21.36
1/2"	12FS3MSL	21.36
3/4"	34FS3MSL	27.00
1"	1FS3MSL	36.02
2"	2FS3MSL	113.75



45° Elbow

SIZE	STOCK NO	EACH
2000 LB		
1/4"	14FS45L	15.47
3/8"	38FS45L	16.02
1/2"	12FS45L	15.24
3/4"	34FS45L	17.08
1"	1FS45L	19.98
1 1/4"	114FS45L	31.60
1 1/2"	112FS45L	39.77
2"	2FS45L	62.02
3"	3FS45L	303.28
3000 LB		
3/8"	38FS3M45L	18.81
1/2"	12FS3M45L	18.54
3/4"	34FS3M45L	21.41
1"	1FS3M45L	29.16
1 1/2"	112FS3M45L	57.86
2"	2FS3M45L	79.84



Tee

SIZE	STOCK NO	EACH
2000 LB		
1/4"	14FST	13.23
3/8"	38FST	14.77
1/2"	12FST	12.70
3/4"	34FST	17.21
1"	1FST	23.91
1 1/4"	114FST	42.30
1 1/2"	112FST	51.19
2"	2FST	64.00
2 1/2"	212FST	162.26
3"	3FST	279.68
3000 LB		
1/4"	14FS3MT	17.98
3/8"	38FS3MT	17.98
1/2"	12FS3MT	16.20
3/4"	34FS3MT	21.87
1"	1FS3MT	28.81
1 1/4"	114FS3MT	55.90
1 1/2"	112FS3MT	65.22
2"	2FS3MT	84.36
3"	3FS3MT	426.26



Cross Tee

SIZE	STOCK NO	EACH
2000 LB		
3/8"	38FSX	40.31
1"	1FSX	52.06
1 1/4"	114FSX	95.09
2"	2FSX	159.72
3000 LB		
1/2"	12FS3MX	45.78
3/4"	34FS3MX	60.40
1"	1FS3MX	84.98

Reducer

SIZE	STOCK NO	EACH
3000 LB		
1 1/2 x 1 1/4"	112X114FS3MR	30.51
1 1/2 x 1"	112X1FS3MR	30.51
1 1/4 x 1"	114X1FS3MR	28.09
1 1/4 x 3/4"	114X34FS3MR	28.09
1 x 1/2"	1X12FS3MR	16.04
1 x 3/4"	1X34FS3MR	16.04
2 x 1 1/2"	2X112FS3MR	44.24
2 x 1 1/4"	2X114FS3MR	44.24
3/4 x 1/2"	34X12FS3MR	12.31



Coupling

SIZE	STOCK NO	EACH
3000 LB		
1/8"	18FS3MC	5.76
1/4"	14FS3MC	5.76
3/8"	38FS3MC	5.76
1/2"	12FS3MC	4.75
3/4"	34FS3MC	6.17
1"	1FS3MC	10.75
1 1/4"	114FS3MC	17.90
1 1/2"	112FS3MC	23.15
2"	2FS3MC	28.89
2 1/2"	212FS3MC	71.50
3"	3FS3MC	135.11



Half-Coupling

SIZE	STOCK NO	EACH
3000 LB		
1/8"	18FS3MHC	3.00
1/4"	14FS3MHC	3.00
1/2"	12FS3MHC	2.89
3/4"	34FS3MHC	4.14
1"	1FS3MHC	5.68
1 1/4"	114FS3MHC	10.29
1 1/2"	112FS3MHC	13.68
2"	2FS3MHC	18.39
3"	3FS3MHC	84.78



Forged Steel Union - Petro

SIZE	STOCK NO	EACH
3000LB		
1/4"	14FSU	31.28
3/8"	38FSU	31.83
1/2"	12FSU	27.04
3/4"	34FSU	33.10
1"	1FSU	43.24
1 1/4"	114FSU	68.61
1 1/2"	112FSU	81.81
2"	2FSU	110.93
3"	3FSU	323.66

Forged Steel Screwed Fittings (05)



Hex Bushing

SIZE	STOCK NO	EACH
1/4 x 1/8"	14X18FSB	3.47
3/8 x 1/4"	38X14FSB	3.47
3/8 x 1/8"	38X18FSB	3.47
1/2 x 3/8"	12X38FSB	3.49
1/2 x 1/4"	12X14FSB	3.49
1/2 x 1/8"	12X18FSB	3.49
3/4 x 1/2"	34X12FSB	4.29
3/4 x 3/8"	34X38FSB	4.29
3/4 x 1/4"	34X14FSB	4.29
3/4 x 1/8"	34X18FSB	4.29
1 x 3/4"	1X34FSB	6.99
1 x 1/2"	1X12FSB	6.99
1 x 3/8"	1X38FSB	6.99
1 x 1/4"	1X14FSB	6.99
1 1/4 x 1"	114X1FSB	11.38
1 1/4 x 3/4"	114X34FSB	11.38
1 1/4 x 1/2"	114X12FSB	11.38
1 1/4 x 1/4"	114X14FSB	11.38
1 1/2 x 1 1/4"	112X114FSB	13.12
1 1/2 x 1"	112X1FSB	13.12
1 1/2 x 3/4"	112X34FSB	13.12
1 1/2 x 1/2"	112X12FSB	13.12
2 x 1 1/2"	2X112FSB	19.70
2 x 1 1/4"	2X114FSB	19.70
2 x 1"	2X1FSB	19.70
2 x 3/4"	2X34FSB	19.70
2 x 1/2"	2X12FSB	19.70
2 1/2 x 2"	212X2FSB	61.75
2 1/2 x 1 1/2"	212X112FSB	61.75
2 1/2 x 1 1/4"	212X114FSB	61.75
2 1/2 x 1/2"	212X12FSB	61.75
3 x 2 1/2"	3X212FSB	95.53
3 x 2"	3X2FSB	95.53



Cap

SIZE	STOCK NO	EACH
3000 LB		
1/2"	12FS3MCAP	6.22
3/4"	34FS3MCAP	8.67
1"	1FS3MCAP	13.31
1 1/4"	114FS3MCAP	21.42
1 1/2"	112FS3MCAP	25.61
2"	2FS3MCAP	36.86



Plug

SIZE	STOCK NO	EACH
1/8"	18FSP	2.51
1/4"	14FSP	2.51
3/8"	38FSP	2.63
1/2"	12FSP	2.76
3/4"	34FSP	3.44
1"	1FSP	5.27
1 1/4"	114FSP	10.85
1 1/2"	112FSP	12.39
2"	2FSP	19.58
2 1/2"	212FSP	50.36
3"	3FSP	84.29
4"	4FSP	133.16



(48)

Swage Nipples

Threaded Both Ends • Extra Heavy

SIZE	STOCK NO	EACH
1 1/4 x 1/2"	114X12XHTBESN	131.84
1 1/4 x 1"	114X1XHTBESN	125.64
1 1/2 x 1/2"	112X12XHTBESN	168.28
2 x 1/2"	2X12XHTBESN	302.09
2 x 3/4"	2X34XHTBESN	302.09
2 x 1"	2X1XHTBESN	239.00

Forged Steel Socket Weld Fittings (05)



90° Elbow

SIZE	STOCK NO	EACH
3000 LB		
½"	12SWL	11.22
¾"	34SWL	11.68
1"	1SWL	15.00
1¼"	114SWL	28.82
1½"	112SWL	33.48
2"	2SWL	49.26
3"	3SWL	241.87



45° Elbow

SIZE	STOCK NO	EACH
3000 LB		
½"	12SW45L	14.94
¾"	34SW45L	17.37
1"	1SW45L	22.73
1¼"	114SW45L	31.17
1½"	112SW45L	38.21
2"	2SW45L	61.43



Straight Tee

SIZE	STOCK NO	EACH
3000 LB		
½"	12SWT	13.91
¾"	34SWT	17.00
1"	1SWT	23.09
1¼"	114SWT	35.48
1½"	112SWT	47.02
2"	2SWT	67.89

Reducing Tee

SIZE	STOCK NO	EACH
3000 LB		
2 x 2 x ¾"	2X34SWT	203.66
2 x 2 x 1"	2X1SWT	203.66
2 x 2 x 1¼"	2X114SWT	82.61



Coupling

SIZE	STOCK NO	EACH
3000 LB		
½"	12SWC	6.49
¾"	34SWC	8.40
1"	1SWC	9.26
1¼"	114SWC	16.44
1½"	112SWC	18.17
2"	2SWC	29.03

Half Coupling

SIZE	STOCK NO	EACH
3000 LB		
½"	12FSSWHC	7.34
¾"	34FSSWHC	7.51



Reducer

SIZE	STOCK NO	EACH
3000 LB		
¾ x ½"	34X12SWR	20.98
1 x ¾"	1X34SWR	29.30
1½ x 1¼"	112X114SWR	40.11
1½ x 1"	112X1SWR	40.11
2 x 1½"	2X112SWR	44.35
2 x 1¼"	2X114SWR	44.35
2 x 1"	2X1SWR	44.35



Insert

SIZE	STOCK NO	EACH
3000 LB		
¾ x ½"	34X12SWINS	13.89
1 x ½"	1X12SWINS	15.21
1 x ¾"	1X34SWINS	15.21
1¼ x ¾"	114X34SWINS	17.85
1¼ x 1"	114X1SWINS	17.85
1½ x ½"	112X12SWINS	22.30
1½ x ¾"	112X34SWINS	22.30
1½ x 1"	112X1SWINS	22.30
1½ x 1¼"	112X114SWINS	22.30
2 x ¾"	2X34SWINS	30.54
2 x 1"	2X1SWINS	30.54
2 x 1¼"	2X114SWINS	30.54
2 x 1½"	2X112SWINS	30.54



Union

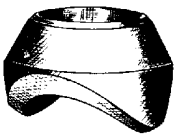
SIZE	STOCK NO	EACH
3000 LB		
½"	12SWU	30.87
¾"	34SWU	36.03
1"	1SWU	46.40
1¼"	114SWU	74.86
1½"	112SWU	81.07
2"	2SWU	116.72



Cap

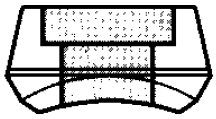
SIZE	STOCK NO	EACH
3000 LB		
⅛"	18SWCAP	12.23
¼"	14SWCAP	12.23
½"	12SWCAP	7.43
¾"	34SWCAP	8.67
1"	1SWCAP	13.15
1¼"	114SWCAP	15.48
1½"	112SWCAP	21.52
2"	2SWCAP	33.20

Weldolets, Socolets, Threadolets and Pipolets (02d)



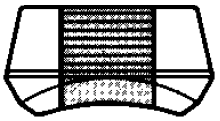
"Weldolet" Standard wall

OUTLET SIZE	FITS RUN PIPE SIZE	STOCK NO	EACH
½"	36-¾"	3634X12WOL	27.27
¾"	1¼-¾"	11434X34WOL	28.77
	36-2½"	36212X34WOL	28.77
1"	2½-1¼"	212114X1WOL	30.06
	36-3"	363X1WOL	30.06
1¼"	36-4"	364X114WOL	145.33
1½"	2"	2X112WOL	35.73
	2½-2"	2122X112WOL	35.73
	36-6"	366X112WOL	35.73
2"	6-4"	64X2WOL	36.05
	36-8"	368X2WOL	36.05
2½"	5-4"	54X212WOL	82.53
	8-6"	86X212WOL	82.53
3"	4-3½"	4312X3WOL	90.32
	6-5"	65X3WOL	90.32
	14-8"	148X3WOL	90.32
4"	4"	4X4WOL	94.16
	6"	6X4WOL	114.12
	10-8"	108X4WOL	114.12
	18-12"	1812X4WOL	114.12
6"	8"	8X6WOL	329.21
	10"	10X6WOL	329.21
	14-12"	1412X6WOL	329.21



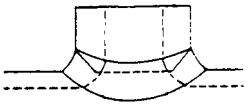
"Socolet"

OUTLET SIZE	FITS RUN PIPE SIZE	STOCK NO	EACH
½"	36-¾"	3634X12SOL	16.35
¾"	36-1½"	36112X34SOL	16.58
1"	36-3"	363X1SOL	18.37
1¼"	3½-2"	3122X114SOL	30.70
	36-4"	364X114SOL	30.70
1½"	5-3"	53X112SOL	30.70
	36-6"	366X112SOL	30.70
2"	3½-2½"	312212X2SOL	34.90
	36-8"	368X2SOL	34.90
	6-4"	64X2SOL	34.90



"Threadolet" Standard wall

OUTLET SIZE	FITS RUN PIPE SIZE	STOCK NO	EACH
3000 LB			
¼"	36-½"	3612X14TOL	19.85
⅜"	36-¾"	3634X38TOL	16.65
½"	36-¾"	3634X12TOL	13.18
¾"	1¼-¾"	11434X34TOL	15.17
	36-1½"	36112X34TOL	15.17
1"	2½-1¼"	212114X1TOL	17.69
	36-3"	363X1TOL	17.69
1¼"	1½-1¼"	112114X114TOL	28.03
	3½-2"	3122X114TOL	28.03
	36-4"	364X114TOL	28.03
1½"	1½"	112X112TOL	33.08
	2½-2"	2122X112TOL	28.03
	5-3"	53X112TOL	28.03
	36-6"	366X112TOL	28.03
2"	2"	2X2TOL	29.06
	3½-2½"	312212X2TOL	31.91
	6-4"	64X2TOL	31.91
	36-8"	368X2TOL	31.91
2½"	3½-3"	3123X212TOL	107.06
	5-4"	54X212TOL	107.06
	8-6"	86X212TOL	107.06
3"	4-3½"	4312X3TOL	129.82
	6-5"	65X3TOL	129.82
	14-8"	148X3TOL	129.82
4"	6"	6X4TOL	241.41
	10-8"	108X4TOL	241.41



"Pipe-O-Lets"

Stocked in our Fargo Branch

Used in lieu of Thread-O-Lets on sprinklers.
300# Female thread UL/FM

OUTLET SIZE	FITS RUN PIPE SIZE	STOCK NO	EACH
½"	2-2½-½"	2122X12POL	10.83
	8-3-½"	83X12POL	4.68
¾"	2-1½"	2112X34POL	10.83
	6-2½"	6212X34POL	10.83
1"	2-1½"	2112X1POL	15.71
	4-2½"	4212X1POL	15.71
1¼"	4-3"	43X114POL	22.96
1½"	4-3"	43X112POL	27.69
2"	3"	3X2POL	36.50
	4"	4X2POL	36.50

Carbon Steel Welding Fittings (04)

Domestic • Standard

Stocked in St. Paul Only

weldbend.com



90° Elbow

Long Radius

SIZE	STOCK NO	EACH
½"	12WEL	28.34
¾"	34WEL	28.34
1"	1WEL	28.34
1¼"	114WEL	28.34
1½"	112WEL	28.34
2"	2WEL	31.36
2½"	212WEL	37.39
3"	3WEL	45.84
3½"	312WEL	75.08
4"	4WEL	75.08
5"	5WEL	161.61
6"	6WEL	164.03
8"	8WEL	310.56
10"	10WEL	622.33
12"	120WEL	921.73
14"	140WEL	1316.11
16"	160WEL	1813.01
18"	180WEL	2399.75
20"	200WEL	3319.67



90° Elbow

Short Radius

SIZE	STOCK NO	EACH
1"	1WESRL	44.93
1¼"	114WESRL	44.93
1½"	112WESRL	44.93
2"	2WESRL	47.03
2½"	212WESRL	75.08
3"	3WESRL	88.04
3½"	312WESRL	115.78
4"	4WESRL	115.78
5"	5WESRL	343.42
6"	6WESRL	304.84
8"	8WESRL	505.04
10"	100WESRL	1034.19
12"	120WESRL	1445.76



45° Elbow

SIZE	STOCK NO	EACH
1"	1WE45L	29.55
1¼"	114WE45L	29.55
1½"	112WE45L	29.55
2"	2WE45L	29.55
2½"	212WE45L	35.88
3"	3WE45L	37.39
4"	4WE45L	67.84
5"	5WE45L	101.92
6"	6WE45L	132.36
8"	8WE45L	220.40
10"	100WE45L	440.21
12"	120WE45L	622.33
14"	140WE45L	836.10
16"	160WE45L	1499.13
18"	180WE45L	2119.65
20"	200WE45L	2194.12



Welding Tee

Full Branch

SIZE	STOCK NO	EACH
¾"	34WET	85.93
1¼"	114WET	85.93
1½"	112WET	85.93
2"	2WET	74.47
2½"	212WET	102.52
3"	3WET	113.97
4"	4WET	160.70
5"	5WET	264.12
6"	6WET	274.98
8"	8WET	480.31
10"	100WET	942.23
12"	120WET	1320.63
14"	140WET	2315.63



Welding Reducng Tee

SIZE	STOCK NO	EACH
¾ x ½"	34X12WET	183.02
1 x ¾"	1X34WET	183.02
2 x 1"	2X1WET	124.22
2 x 1¼"	2X114WET	124.22
2 x 1½"	2X112WET	124.22
2½ x 2"	212X2WET	135.98
3 x 1"	3X1WET	132.67
3 x 1¼"	3X114WET	132.67
3 x 1½"	3X112WET	132.67
3 x 2"	3X2WET	132.67
3 x 2½"	3X212WET	132.67
4 x 2"	4X2WET	168.25
4 x 2½"	4X212WET	168.25
4 x 3"	4X3WET	168.25
5 x 3"	5X3WET	363.62
5 x 4"	5X4WET	363.62
6 x 3"	6X3WET	328.04
6 x 4"	6X4WET	328.04
8 x 4"	8X4WET	624.43
8 x 6"	8X6WET	624.43
10 x 6"	100X6WET	1153.29
10 x 8"	100X8WET	1153.29
12 x 6"	120X6WET	1700.54
12 x 8"	120X8WET	1700.54
12 x 10"	120X100WET	1700.54



180° Return Bend

Long Radius

SIZE	STOCK NO	EACH
4"	4WERB	342.62

Carbon Steel Welding Fittings (04)

Domestic • Standard

Stocked in St. Paul Only

weldbend.com



Concentric Welding Reducer

SIZE	STOCK NO	EACH
1 x ¾"	1X34WER	87.33
1¼ x ¾"	114X34WER	84.79
1¼x 1"	114X1WER	84.79
1½ x ¾"	112X34WER	84.79
1½ x 1	112X1WER	91.46
1½ x 1¼"	112X114WER	91.46
2 x ¾"	2X34WER	103.20
2 x 1"	2X1WER	67.00
2 x 1¼"	2X114WER	48.27
2 x 1½"	2X112WER	48.27
2½ x 1"	212X1WER	125.11
2½ x 1¼"	212X114WER	105.43
2½ x 1½"	212X112WER	78.44
2½ x 2"	212X2WER	60.65
3 x 1"	3X1WER	123.21
3 x 1¼"	3X114WER	97.49
3 x 1½"	3X112WER	61.92
3 x 2"	3X2WER	53.98
3 x 2½"	3X212WER	50.17
4 x 1¼"	4X114WER	205.54
4 x 1½"	4X112WER	141.31
4 x 2"	4X2WER	78.44
4 x 2½"	4X212WER	78.44
4 x 3"	4X3WER	64.15
4 x 3½"	4X312WER	67.64
5 x 2½"	5X212WER	247.69
5 x 3"	5X3WER	163.54
5 x 4"	5X4WER	119.08
6 x 2"	6X2WER	350.26
6 x 2½"	6X212WER	323.90
6 x 3"	6X3WER	162.90
6 x 4"	6X4WER	134.96
6 x 5"	6X5WER	120.67
8 x 4"	8X4WER	227.05
8 x 6"	8X6WER	176.56
10 x 6"	100X6WER	322.32
10 x 8"	100X8WER	342.00
12 x 10"	120X100WER	423.94
14 x 12"	140X120WER	638.28



Eccentric Welding Reducer

SIZE	STOCK NO	EACH
1½ x 1"	112X1WEER	122.26
2 x 1¼"	2X114WEER	100.03
2½ x 1"	212X1WEER	357.24
2½ x 1¼"	212X114WEER	152.42
2½ x 1½"	212X112WEER	84.47
2½ x 2"	212X2WEER	72.08
3 x 1¼"	3X114WEER	346.13
3 x 1½"	3X112WEER	96.22
3 x 2"	3X2WEER	84.47
3 x 2½"	3X212WEER	78.76
4 x 1½"	4X112WEER	419.17
4 x 2"	4X2WEER	125.43
4 x 2½"	4X212WEER	107.97
4 x 3"	4X3WEER	102.57
5 x 2½"	5X212WEER	323.90
5 x 3"	5X3WEER	208.00
5 x 4"	5X4WEER	208.00
6 x 3"	6X3WEER	331.84
6 x 4"	6X4WEER	211.17
6 x 5"	6X5WEER	152.42
8 x 6"	8X6WEER	269.92
10 x 8"	100X8WEER	354.08
12 x 8"	120X8WEER	862.16



Welding Cap

SIZE	STOCK NO	EACH
1"	1WECAP	33.19
1¼"	114WECAP	33.19
1½"	112WECAP	33.19
2"	2WECAP	45.06
2½"	212WECAP	46.81
3"	3WECAP	46.81
4"	4WECAP	68.46
5"	5WECAP	106.19
6"	6WECAP	117.36
8"	8WECAP	176.75
10"	100WECAP	377.27
12"	120WECAP	510.03
14"	140WECAP	644.13

Carbon Steel Welding Fittings (04)

Domestic • Extra Heavy

Stocked in St. Paul Only

weldbend.com



90° Elbow

SIZE	STOCK NO	EACH
1"	1WEXHL	37.08
1¼"	114WEXHL	37.08
2"	2WEXHL	37.39
2½"	212WEXHL	52.46
3"	3WEXHL	67.84
4"	4WEXHL	110.95
5"	5WEXHL	264.12
6"	6WEXHL	280.41
8"	8WEXHL	533.68



45° Elbow

SIZE	STOCK NO	EACH
2"	2WEXH45L	39.20
2½"	212WEXH45L	87.14
3"	3WEXH45L	50.96
4"	4WEXH45L	79.30
6"	6WEXH45L	217.69



Concentric Reducer

SIZE	STOCK NO	EACH
2 x 1"	2X1WEXHR	67.64
2 x 1½"	2X112WEXHR	53.98
2½ x 2"	212X2WEXHR	73.36
3 x 2"	3X2WEXHR	61.92
3 x 2½"	3X212WEXHR	61.92
4 x 2"	4X2WEXHR	103.84
4 x 3"	4X3WEXHR	79.39
5 x 4"	5X4WEXHR	168.93
6 x 4"	6X4WEXHR	190.53



Eccentric Reducer

SIZE	STOCK NO	EACH
2½ x 2"	212X2WEXHER	102.25
3 x 2"	3X2WEXHER	84.47
4 x 2"	4X2WEXHER	181.01
4 x 2½"	4X212WEXHER	137.50
6 x 4"	6X4WEXHER	285.80



Cap

SIZE	STOCK NO	EACH
2"	2WEXHCAP	45.06
2½"	212WEXHCAP	61.48
3"	3WEXHCAP	68.46
4"	4WEXHCAP	92.57



Tee

SIZE	STOCK NO	EACH
2"	2WEXHT	80.80
2½"	212WEXHT	134.78
3"	3WEXHT	125.12
4"	4WEXHT	203.52
6"	6WEXHT	387.74

Bolting Patterns for Steel Flanges

CLASS 150
BOLTING PATTERN AND BOLT LENGTHS

Pipe Size	Dia. of Bolt Circle	Dia. of Bolt Hole	No of Bolts	Dia. of Bolts	Machine Bolts .06" Raised Face	Stud Bolts .06" Raised Face
½	2.38	0.62	4	½	2.00	2.50
¾	2.75	0.62	4	½	2.25	2.50
1	3.12	0.62	4	½	2.25	2.75
1¼	3.50	0.62	4	½	2.50	2.75
1½	3.88	0.62	4	½	2.50	3.00
2	4.75	0.75	4	⅝	2.75	3.25
2½	5.50	0.75	4	⅝	3.00	3.50
3	6.00	0.75	4	⅝	3.25	3.75
3½	7.00	0.75	8	⅝	3.25	3.75
4	7.50	0.75	8	⅝	3.25	3.75
5	8.50	0.88	8	¾	3.25	4.00
6	9.50	0.88	8	¾	3.50	4.00
8	11.75	0.88	8	¾	3.75	4.25
10	14.25	1.00	12	⅞	4.00	4.75
12	17.00	1.00	12	⅞	4.25	4.75
14	18.75	1.12	12	1	4.50	5.25
16	21.25	1.12	16	1	4.75	5.50
18	22.75	1.25	16	1⅛	5.00	6.00
20	25.00	1.25	20	1⅛	5.50	6.25
24	29.50	1.38	20	1¼	6.00	7.00

CLASS 300
BOLTING PATTERN AND BOLT LENGTHS

Pipe Size	Dia. of Bolt Circle	Dia. of Bolt Hole	No of Bolts	Dia. of Bolts	Machine Bolts .06" Raised Face	Stud Bolts .06" Raised Face
½	2.62	0.62	4	½	2.25	2.75
¾	3.25	0.75	4	⅝	2.50	3.00
1	3.50	0.75	4	⅝	2.75	3.25
1¼	3.88	0.75	4	⅝	2.75	3.25
1½	4.50	0.88	4	¾	3.00	3.75
2	5.00	0.75	8	⅝	3.00	3.50
2½	5.88	0.88	8	¾	3.50	4.00
3	6.62	0.88	8	¾	3.75	4.25
3½	7.25	0.88	8	¾	3.75	4.50
4	7.88	0.88	8	¾	4.00	4.50
5	9.25	0.88	8	¾	4.25	4.75
6	10.62	0.88	12	¾	4.25	5.00
8	13.00	1.00	12	⅞	4.75	5.50
10	15.25	1.12	16	1	5.50	6.25
12	17.75	1.25	16	1⅛	6.00	6.75
14	20.25	1.25	20	1⅛	6.25	7.00
16	22.50	1.38	20	1¼	6.50	7.50
18	24.75	1.38	24	1¼	6.75	7.75
20	27.00	1.38	24	1¼	7.25	8.25
24	32.00	1.62	24	1½	8.00	9.25

Steel Flanges (04)
Domestic
Stocked in St. Paul Only
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Slip-on Flange
Nominal Pipe

SIZE	STOCK NO	EACH
Raised Face, Class 150		
1¼"	114WESOF	41.24
1½"	112WESOF	41.24
2"	2WESOF	34.14
2½"	212WESOF	59.55
3"	3WESOF	49.18
3½"	312WESOF	60.38
4"	4WESOF	60.38
5"	5WESOF	103.47
6"	6WESOF	95.00
8"	8WESOF	143.16
10"	100WESOF	249.90
12"	120WESOF	370.34
14"	140WESOF	450.81
16"	160WESOF	638.59
18"	180WESOF	812.94
Flat Face, Class 150		
1"	1WESOFF	41.24
1½"	112WESOFF	41.24
2"	2WESOFF	34.14
3"	3WESOFF	49.18
4"	4WESOFF	60.38
6"	6WESOFF	95.00
8"	8WESOFF	143.16
10"	100WESOFF	249.90
12"	120WESOFF	370.34
14"	140WESOFF	450.81
Raised Face, Class 300		
1¼"	114WE300SOF	55.38
1½"	112WE300SOF	55.38
2"	2WE300SOF	53.98
2½"	212WE300SOF	60.86
3"	3WE300SOF	66.68
4"	4WE300SOF	95.54
6"	6WE300SOF	168.83
8"	8WE300SOF	282.88

(02)
Reducing Slip-on Flange

SIZE	STOCK NO	EACH
Raised Face, Class 150		
2 x 7"	2X7WESOF	170.53
2 x 7½"	2X712WESOF	129.24
2½ x 7½"	212X712WESOF	129.24
2½ x 9"	212X9WESOF	138.46
3 x 9"	3X9WESOF	138.46
3 x 10"	3X10WESOF	280.83
3 x 11"	3X11WESOF	375.99
4 x 10"	4X10WESOF	280.83
4 x 13½"	4X1312WESOF	472.52
5 x 11"	5X11WESOF	375.99
6 x 13½"	6X1312WESOF	472.52
Flat Face, Class 150		
4 x 2"	4X2WESOFF	138.46
4 x 3"	4X3WESOFF	138.46

Screwed Flange
Nominal Pipe

SIZE	STOCK NO	EACH
Raised Face, Class 150		
1"	1WESCF	61.72
1½"	112WESCF	61.72
2"	2WESCF	51.07
2½"	212WESCF	84.16
3"	3WESCF	62.98
4"	4WESCF	73.56
Flat Face, Class 150		
2"	2WESCFF	51.07
4"	4WESCFF	73.56
Raised Face, Class 300		
¾"	34WE300SCF	68.65
1"	1WE300SCF	68.65
1½"	112WE300SCF	68.65
2"	2WE300SCF	59.80
2½"	212WE300SCF	110.35
3"	3WE300SCF	88.39
4"	4WE300SCF	126.23

Blind Flange
Nominal Pipe

SIZE	STOCK NO	EACH
Raised Face, Class 150		
1¼"	114WEBLF	49.61
2"	2WEBLF	40.75
2½"	212WEBLF	66.16
3"	3WEBLF	52.09
4"	4WEBLF	73.22
5"	5WEBLF	95.54
6"	6WEBLF	111.43
8"	8WEBLF	181.27
10"	100WEBLF	348.78
12"	120WEBLF	525.81
14"	140WEBLF	822.99
18"	180WEBLF	1497.26
20"	200WEBLF	1882.14
Flat Face, Class 150		
1½"	112WEBLFF	49.61
4"	4WEBLFF	73.22
5"	5WEBLFF	95.54
6"	6WEBLFF	111.43
8"	8WEBLFF	181.27
Raised Face, Class 300		
1"	1WE300BLF	64.31
1½"	112WE300BLF	64.31
2"	2WE300BLF	53.19
3"	3WE300BLF	75.68
4"	4WE300BLF	116.17
6"	6WE300BLF	210.12
10"	100WE300BLF	649.39
12"	120WE300BLF	938.90

Carbon Steel Lap Joint Flange
Used with SS stub ends

SIZE	STOCK NO	EACH
1"	1WELJF	43.25
1½"	112WELJF	43.25
2"	2WELJF	35.99
2½"	212WELJF	57.16
3"	3WELJF	49.69
4"	4WELJF	60.33
6"	6WELJF	100.56

Weld Neck Flange

SIZE	STOCK NO	EACH
Raised Face, Class 150, Standard Bore		
1"	1WEWNF	59.13
1¼"	114WEWNF	59.13
1½"	112WEWNF	59.13
2"	2WEWNF	51.07
2½"	212WEWNF	55.57
3"	3WEWNF	63.59
4"	4WEWNF	76.46
5"	5WEWNF	117.34
6"	6WEWNF	111.43
8"	8WEWNF	196.47
10"	100WEWNF	315.68
12"	120WEWNF	459.19
14"	140WEWNF	606.24
16"	160WEWNF	821.82
18"	180WEWNF	1161.60
20"	200WEWNF	1413.11
Raised Face, Class 150, Extra Strong Bore		
1½"	112WEWNFX	59.13
2"	2WEWNFX	51.07
2½"	212WEWNFX	55.57
3"	3WEWNFX	63.59
4"	4WEWNFX	76.46
5"	5WEWNFX	117.34
6"	6WEWNFX	111.43
Flat Face, Class 150		
2"	2WEWNFF	51.07
3"	3WEWNFF	63.59
4"	4WEWNFF	76.46
5"	5WEWNFF	117.34
6"	6WEWNFF	111.43
8"	8WEWNFF	196.47
14"	140WEWNFF	606.24
Flat Face, Class 300		
8"	8WE300WNFF	338.72
Raised Face, Class 300, Extra Strong Bore		
1¼"	114WE300WNFX	72.67
1½"	112WE300WNFX	72.67
2"	2WE300WNFX	67.21
3"	3WE300WNFX	76.74
Raised Face, Class 300, Standard Bore		
2"	2WE300WNF	67.21
2½"	212WE300WNF	76.74
3"	3WE300WNF	76.74
4"	4WE300WNF	126.23
5"	5WE300WNF	196.36
6"	6WE300WNF	196.62
8"	8WE300WNF	338.72

Socket Weld Flange

SIZE	STOCK NO	EACH
Standard Bore, Class 150		
½"	12WESWF	54.21
¾"	34WESWF	54.21
1"	1WESWF	54.21
1¼"	114WESWF	54.21
1½"	112WESWF	54.21
2"	2WESWF	44.99
Raised Face, Class 150, Extra Strong Bore		
½"	12WESWFX	54.20
¾"	34WESWFX	54.20
1"	1WESWFX	54.20
1¼"	114WESWFX	54.20
1½"	112WESWFX	54.20
2"	2WESWFX	44.98
Standard Bore, Class 300		
½"	12WE300SWF	62.88
¾"	34WE300SWF	62.88
1"	1WE300SWF	62.88
1¼"	114WE300SWF	62.88
1½"	112WE300SWF	62.88
2"	2WE300SWF	49.85
Raised Face, Class 300, Extra Strong Bore		
½"	12WE300SWFX	62.88
¾"	34WE300SWFX	62.88
1"	1WE300SWFX	62.88
1¼"	114WE300SWFX	62.88
1½"	112WE300SWFX	62.88
2"	2WE300SWFX	49.86

Carbon Steel Welding Fittings (04i)

Import • Standard

Non-Stock in St. Paul

alliedfitting.com



90° Elbow

Long Radius

SIZE	STOCK NO	EACH
½"	12WELI	11.45
¾"	34WELI	11.45
1"	1WELI	11.45
1¼"	114WELI	11.45
1½"	112WELI	11.45
2"	2WELI	12.68
2½"	212WELI	15.11
3"	3WELI	40.89
3½"	312WELI	66.99
4"	4WELI	66.99
5"	5WELI	144.21
6"	6WELI	146.35
8"	8WELI	277.10
10"	10WELI	555.28
12"	120WELI	822.42
14"	140WELI	415.44
16"	160WELI	1144.58
18"	180WELI	1666.47
20"	200WELI	1606.74



90° Elbow

Short Radius

SIZE	STOCK NO	EACH
1"	1WESRLI	18.16
1½"	112WESRLI	18.16
2"	2WESRLI	19.01
2½"	212WESRLI	30.33
3"	3WESRLI	35.57
3½"	312WESRLI	46.78
4"	4WESRLI	46.78
5"	5WESRLI	138.75
6"	6WESRLI	123.16
8"	8WESRLI	204.05
10"	100WESRLI	417.85
12"	120WESRLI	584.15
16"	160WESRLI	1175.53
20"	200WESRLI	1900.08



45° Elbow

SIZE	STOCK NO	EACH
¾"	34WE45LI	11.93
1"	1WE45LI	11.93
1¼"	114WE45LI	11.93
1½"	112WE45LI	11.93
2"	2WE45LI	11.93
2½"	212WE45LI	14.50
3"	3WE45LI	15.11
4"	4WE45LI	27.41
5"	5WE45LI	41.18
6"	6WE45LI	53.47
8"	8WE45LI	89.05
10"	100WE45LI	177.86
12"	120WE45LI	251.45
14"	140WE45LI	263.93
16"	160WE45LI	662.51
18"	180WE45LI	936.71



Welding Tee

Full Branch

SIZE	STOCK NO	EACH
¾"	34WETI	34.72
1"	1WETI	34.72
1¼"	114WETI	34.72
1½"	112WETI	34.72
2"	2WETI	30.09
2½"	212WETI	41.42
3"	3WETI	46.05
4"	4WETI	64.94
5"	5WETI	106.72
6"	6WETI	111.11
8"	8WETI	194.06
10"	100WETI	380.70
12"	120WETI	533.59



Welding Reducng Tee

SIZE	STOCK NO	EACH
¾ x ½"	34X12WETI	73.95
2 x 1"	2X1WETI	50.19
2 x 1¼"	2X114WETI	50.19
2 x 1½"	2X112WETI	50.19
2½ x 1"	212X1WETI	54.95
2½ x 1½"	212X112WETI	54.95
3 x 1"	3X1WETI	53.61
3 x 1¼"	3X114WETI	53.61
3 x 1½"	3X112WETI	53.61
3 x 2"	3X2WETI	53.61
3 x 2½"	3X212WETI	53.61
4 x 2"	4X2WETI	67.99
4 x 2½"	4X212WETI	67.99
4 x 3"	4X3WETI	67.99
5 x 3"	5X3WETI	146.92
5 x 4"	5X4WETI	146.92
6 x 3"	6X3WETI	132.54
6 x 4"	6X4WETI	132.54
6 x 5"	6X5WETI	132.54
8 x 4"	8X4WETI	252.30
8 x 6"	8X6WETI	252.30
10 x 6"	100X6WETI	465.98
10 x 8"	100X8WETI	465.98
12 x 6"	120X6WETI	687.08
12 x 8"	120X8WETI	687.08
12 x 10"	120X100WETI	687.08



180° Return Bend

Long Radius

SIZE	STOCK NO	EACH
2"	2WERBI	87.22
4"	4WERBI	138.43

Carbon Steel Welding Fittings (04i)

Import • Standard

Non-Stock in St. Paul

alliedfitting.com



Concentric Welding Reducer

SIZE	STOCK NO	EACH
¾ x ½"	34X12WERI	45.04
1 x ¾"	1X34WERI	35.45
1¼ x ¾"	114X34WERI	34.26
1¼x 1"	114X1WERI	34.26
1½ x ¾"	112X34WERI	34.26
1½ x 1	112X1WERI	36.95
1½ x 1¼"	112X114WERI	36.95
2 x ¾"	2X34WERI	41.70
2 x 1"	2X1WERI	27.07
2 x 1¼"	2X114WERI	19.51
2 x 1½"	2X112WERI	19.51
2½ x 1"	212X1WERI	50.56
2½ x 1¼"	212X114WERI	42.59
2½ x 1½"	212X112WERI	31.70
2½ x 2"	212X2WERI	24.50
3 x 1"	3X1WERI	49.79
3 x 1¼"	3X114WERI	39.39
3 x 1½"	3X112WERI	25.02
3 x 2"	3X2WERI	21.82
3 x 2½"	3X212WERI	20.28
4 x 1¼"	4X114WERI	83.05
4 x 1½"	4X112WERI	57.09
4 x 2"	4X2WERI	31.70
4 x 2½"	4X212WERI	31.70
4 x 3"	4X3WERI	25.92
4 x 3½"	4X312WERI	27.32
5 x 2½"	5X212WERI	100.08
5 x 3"	5X3WERI	66.07
5 x 4"	5X4WERI	48.11
6 x 2"	6X2WERI	141.52
6 x 2½"	6X212WERI	130.87
6 x 3"	6X3WERI	65.81
6 x 4"	6X4WERI	54.53
6 x 5"	6X5WERI	48.75
8 x 4"	8X4WERI	91.73
8 x 5"	8X5WERI	80.84
8 x 6"	8X6WERI	71.33
10 x 6"	100X6WERI	130.23
10 x 8"	100X8WERI	138.19
12 x 6"	120X6WERI	205.93
12 x 8"	120X8WERI	196.70
12 x 10"	120X100WERI	171.29
14 x 12"	140X120WERI	257.89



Eccentric Welding Reducer

SIZE	STOCK NO	EACH
1½ x 1"	112X1WEERI	49.40
2 x 1"	2X1WEERI	40.42
2 x 1¼"	2X114WEERI	40.42
2 x 1½"	2X112WEERI	25.02
2½ x 1¼"	212X114WEERI	61.59
2½ x 1½"	212X112WEERI	34.13
2½ x 2"	212X2WEERI	29.12
3 x 1½"	3X114WEERI	139.85
3 x 1½"	3X112WEERI	38.88
3 x 2"	3X2WEERI	34.13
3 x 2½"	3X212WEERI	31.82
4 x 2½"	4X212WEERI	43.62
4 x 3"	4X3WEERI	41.45
5 x 2½"	5X212WEERI	130.87
5 x 3"	5X3WEERI	84.04
5 x 4"	5X4WEERI	84.04
6 x 2½"	6X212WEERI	230.31
6 x 3"	6X3WEERI	134.08
6 x 4"	6X4WEERI	85.32
6 x 5"	6X5WEERI	61.59
8 x 4"	8X4WEERI	198.87
8 x 6"	8X6WEERI	109.05
10 x 6"	100X6WEERI	250.83
10 x 8"	100X8WEERI	143.06
12 x 8"	120X8WEERI	348.34
12 x 10"	120X100WEERI	222.60



Welding Cap

SIZE	STOCK NO	EACH
¾"	34WECAPI	13.41
1"	1WECAPI	13.41
1¼"	114WECAPI	13.41
1½"	112WECAPI	13.41
2"	2WECAPI	18.21
2½"	212WECAPI	18.91
3"	3WECAPI	18.91
4"	4WECAPI	27.66
5"	5WECAPI	42.90
6"	6WECAPI	47.43
8"	8WECAPI	71.42
10"	100WECAPI	152.43
12"	120WECAPI	206.08
14"	140WECAPI	203.32

Carbon Steel Welding Fittings (04i)

Import • Extra Heavy

Non-Stock in St. Paul

alliedfitting.com



90° Elbow

SIZE	STOCK NO	EACH
1"	1WEXHLI	14.99
1¼"	114WEXHLI	14.99
1½"	112WEXHLI	14.99
2"	2WEXHLI	15.11
2½"	212WEXHLI	21.20
3"	3WEXHLI	60.53
4"	4WEXHLI	99.00
5"	5WEXHLI	235.67
6"	6WEXHLI	250.20
8"	8WEXHLI	476.19



45° Elbow

SIZE	STOCK NO	EACH
¾"	34WEXH45LI	15.84
2"	2WEXH45LI	15.84
2½"	212WEXH45LI	35.21
3"	3WEXH45LI	20.59
4"	4WEXH45LI	32.04
6"	6WEXH45LI	87.95



Concentric Reducer

SIZE	STOCK NO	EACH
2 x 1"	2X1WEXHRI	27.32
2 x 1½"	2X112WEXHRI	21.82
2½ x 2"	212X2WEXHRI	29.65
3 x 2"	3X2WEXHRI	25.02
3 x 2½"	3X212WEXHRI	25.02
4 x 2"	4X2WEXHRI	41.96
4 x 3"	4X3WEXHRI	32.08
6 x 4"	6X4WEXHRI	76.98



Eccentric Reducer

SIZE	STOCK NO	EACH
2½ x 2"	212X2WEXHERI	41.31
3 x 2"	3X2WEXHERI	34.13
4 x 2"	4X2WEXHERI	73.13
4 x 2½"	4X212WEXHERI	55.55
4 x 3"	4X3WEXHERI	53.24
6 x 4"	6X4WEXHERI	115.48



Cap

SIZE	STOCK NO	EACH
2"	2WEXHCAPI	18.21
2½"	212WEXHCAPI	24.84
3"	3WEXHCAPI	27.66
4"	4WEXHCAPI	37.41



Tee

SIZE	STOCK NO	EACH
2"	2WEXHTI	32.64
2½"	212WEXHTI	54.46
3"	3WEXHTI	50.56
4"	4WEXHTI	82.23
6"	6WEXHTI	156.67

Bolting Patterns for Steel Flanges

CLASS 150
BOLTING PATTERN AND BOLT LENGTHS

Pipe Size	Dia. of Bolt Circle	Dia. of Bolt Hole	No of Bolts	Dia. of Bolts	Machine Bolts .06" Raised Face	Stud Bolts .06" Raised Face
½	2.38	0.62	4	½	2.00	2.50
¾	2.75	0.62	4	½	2.25	2.50
1	3.12	0.62	4	½	2.25	2.75
1¼	3.50	0.62	4	½	2.50	2.75
1½	3.88	0.62	4	½	2.50	3.00
2	4.75	0.75	4	⅝	2.75	3.25
2½	5.50	0.75	4	⅝	3.00	3.50
3	6.00	0.75	4	⅝	3.25	3.75
3½	7.00	0.75	8	⅝	3.25	3.75
4	7.50	0.75	8	⅝	3.25	3.75
5	8.50	0.88	8	¾	3.25	4.00
6	9.50	0.88	8	¾	3.50	4.00
8	11.75	0.88	8	¾	3.75	4.25
10	14.25	1.00	12	⅞	4.00	4.75
12	17.00	1.00	12	⅞	4.25	4.75
14	18.75	1.12	12	1	4.50	5.25
16	21.25	1.12	16	1	4.75	5.50
18	22.75	1.25	16	1⅛	5.00	6.00
20	25.00	1.25	20	1⅛	5.50	6.25
24	29.50	1.38	20	1¼	6.00	7.00

CLASS 300
BOLTING PATTERN AND BOLT LENGTHS

Pipe Size	Dia. of Bolt Circle	Dia. of Bolt Hole	No of Bolts	Dia. of Bolts	Machine Bolts .06" Raised Face	Stud Bolts .06" Raised Face
½	2.62	0.62	4	½	2.25	2.75
¾	3.25	0.75	4	⅝	2.50	3.00
1	3.50	0.75	4	⅝	2.75	3.25
1¼	3.88	0.75	4	⅝	2.75	3.25
1½	4.50	0.88	4	¾	3.00	3.75
2	5.00	0.75	8	⅝	3.00	3.50
2½	5.88	0.88	8	¾	3.50	4.00
3	6.62	0.88	8	¾	3.75	4.25
3½	7.25	0.88	8	¾	3.75	4.50
4	7.88	0.88	8	¾	4.00	4.50
5	9.25	0.88	8	¾	4.25	4.75
6	10.62	0.88	12	¾	4.25	5.00
8	13.00	1.00	12	⅞	4.75	5.50
10	15.25	1.12	16	1	5.50	6.25
12	17.75	1.25	16	1⅛	6.00	6.75
14	20.25	1.25	20	1⅛	6.25	7.00
16	22.50	1.38	20	1¼	6.50	7.50
18	24.75	1.38	24	1¼	6.75	7.75
20	27.00	1.38	24	1¼	7.25	8.25
24	32.00	1.62	24	1½	8.00	9.25

Steel Flanges (04i)

Import

Non-Stock in St. Paul

alliedfitting.com



Slip-on Flange

Nominal Pipe

SIZE	STOCK NO	EACH
Raised Face, Class 150		
1¼"	114WESOFI	39.58
1½"	112WESOFI	39.58
2"	2WESOFI	32.76
2½"	212WESOFI	57.15
3"	3WESOFI	47.20
3½"	312WESOFI	57.94
4"	4WESOFI	57.94
5"	5WESOFI	99.29
6"	6WESOFI	91.17
8"	8WESOFI	137.38
10"	100WESOFI	239.80
12"	120WESOFI	355.37
16"	160WESOFI	612.79
Flat Face, Class 150		
1"	1WESOFFI	39.58
1½"	112WESOFFI	39.58
2"	2WESOFFI	32.76
3"	3WESOFFI	47.20
4"	4WESOFFI	57.94
5"	5WESOFFI	99.29
6"	6WESOFFI	91.17
8"	8WESOFFI	137.38
10"	100WESOFFI	239.80
12"	120WESOFFI	355.37
Raised Face, Class 300		
1¼"	114WE300SOFI	53.15
1½"	112WE300SOFI	53.15
2"	2WE300SOFI	51.80
2½"	212WE300SOFI	58.40
3"	3WE300SOFI	63.99
4"	4WE300SOFI	91.68
6"	6WE300SOFI	162.01
8"	8WE300SOFI	271.46

Socket Weld Flange

SIZE	STOCK NO	EACH
Standard Bore, Class 150		
¾"	34WESWFI	52.02
1"	1WESWFI	52.02

(02)

Reducing Slip-on Flange

SIZE	STOCK NO	EACH
Raised Face, Class 150		
2 x 7"	2X7WESOFI	163.63
2 x 7½"	2X712WESOFI	124.02
2½ x 7½"	212X712WESOFI	124.02
2½ x 9"	212X9WESOFI	132.87
3 x 9"	3X9WESOFI	132.87
3 x 11"	3X11WESOFI	360.80
4 x 10"	4X10WESOFI	269.49
4 x 11"	4X11WESOFI	360.80
4 x 13½"	4X1312WESOFI	453.42
5 x 11"	5X11WESOFI	360.80
6 x 13½"	6X1312WESOFI	453.42
Flat Face, Class 150		
4 x 3"	4X3WESOFFI	132.87

Screwed Flange

Nominal Pipe

SIZE	STOCK NO	EACH
Raised Face, Class 150		
1"	1WESCFI	59.22
1¼"	114WESCFI	59.22
1½"	112WESCFI	59.22
2"	2WESCFI	49.01
2½"	212WESCFI	80.76
3"	3WESCFI	60.44
4"	4WESCFI	70.59
Flat Face, Class 150		
2"	2WESCFFI	49.01
4"	4WESCFFI	70.59
Raised Face, Class 300		
¾"	34WE300SCFI	65.87
1"	1WE300SCFI	65.87
1½"	112WE300SCFI	65.87
2"	2WE300SCFI	57.39
2½"	212WE300SCFI	105.89
3"	3WE300SCFI	84.82
4"	4WE300SCFI	121.12

Blind Flange

Nominal Pipe

SIZE	STOCK NO	EACH
Raised Face, Class 150		
1½"	112WEBLFI	47.60
2"	2WEBLFI	39.11
2½"	212WEBLFI	63.49
3"	3WEBLFI	49.99
4"	4WEBLFI	70.25
5"	5WEBLFI	91.68
6"	6WEBLFI	106.93
8"	8WEBLFI	173.95
10"	100WEBLFI	334.69
12"	120WEBLFI	504.56
18"	180WEBLFI	1436.76
Flat Face, Class 150		
1½"	112WEBLFFI	47.60
3"	3WEBLFFI	49.99
4"	4WEBLFFI	70.25
5"	5WEBLFFI	91.68
6"	6WEBLFFI	106.93
8"	8WEBLFFI	173.95
Raised Face, Class 300		
1½"	112WE300BLFI	61.71
2"	2WE300BLFI	51.04
2½"	212WE300BLFI	91.17
3"	3WE300BLFI	72.62
4"	4WE300BLFI	111.47
6"	6WE300BLFI	201.62
10"	100WE300BLFI	623.16
12"	120WE300BLFI	900.96

Weld Neck Flange

SIZE	STOCK NO	EACH
Raised Face, Class 150, Standard Bore		
1"	1WEWNFI	56.74
1½"	112WEWNFI	56.74
2"	2WEWNFI	49.01
2½"	212WEWNFI	53.33
3"	3WEWNFI	61.02
4"	4WEWNFI	73.37
5"	5WEWNFI	112.60
6"	6WEWNFI	106.93
8"	8WEWNFI	188.53
10"	100WEWNFI	302.93
12"	120WEWNFI	440.64
14"	140WEWNFI	581.74
16"	160WEWNFI	788.62
18"	180WEWNFI	1114.67
20"	200WEWNFI	1356.02
Raised Face, Class 150, Extra Strong Bore		
1½"	112WEWNFXI	56.74
2"	2WEWNFXI	49.01
2½"	212WEWNFXI	53.33
3"	3WEWNFXI	61.02
4"	4WEWNFXI	73.37
6"	6WEWNFXI	106.93
Flat Face, Class 150		
2"	2WEWNFFI	49.01
3"	3WEWNFFI	61.02
4"	4WEWNFFI	73.37
5"	5WEWNFFI	112.60
6"	6WEWNFFI	106.93
8"	8WEWNFFI	188.53
10"	100WEWNFFI	302.93
Flat Face, Class 300		
8"	8WE300WNFFI	325.04
Raised Face, Class 300, Extra Strong Bore		
1¼"	114WE300WNFXI	69.74
1½"	112WE300WNFXI	69.74
2"	2WE300WNFXI	64.50
3"	3WE300WNFXI	73.64
Raised Face, Class 300, Standard Bore		
2"	2WE300WNFI	64.50
2½"	212WE300WNFI	73.64
3"	3WE300WNFI	73.64
4"	4WE300WNFI	121.12
5"	5WE300WNFI	188.42
6"	6WE300WNFI	188.68
8"	8WE300WNFI	325.04

(04)

Carbon Steel Lap Joint Flange

Used with SS stub ends

SIZE	STOCK NO	EACH
1"	1WELJFI	41.50
1¼"	114WELJFI	41.50
1½"	112WELJFI	41.50
2"	2WELJFI	34.53
3"	3WELJFI	47.68
4"	4WELJFI	57.90
6"	6WELJFI	96.50

Steel Flange Accessories

(14b)

Hex Head Cap Screw

Zinz-Plated

SIZE	STOCK NO	EACH
¼" Diameter		
1"	14X1CASC	.11
5/16" Diameter		
1"	516X1CASC	.17
2"	516X2CASC	.18
⅜" Diameter		
¾"	38X34CASC	.21
1"	38X1CASC	.28
1¼"	38X114CASC	.34
1½"	38X112CASC	.33
2"	38X2CASC	.37
3"	38X3CASC	.65
½" Diameter		
1"	12X1CASC	.57
1½"	12X112CASC	.60
2"	12X2CASC	.64
2¼"	12X214CASC	1.06
2½"	12X212CASC	.86
3"	12X3CASC	1.35
⅝" Diameter		
1¼"	58X114CASC	2.11
1½"	58X112CASC	1.16
1¾"	58X134CASC	1.45
2"	58X2CASC	1.41
2¼"	58X214CASC	1.76
2½"	58X212CASC	2.06
2¾"	58X234CASC	1.72
3"	58X3CASC	2.16
3¼"	58X314CASC	1.42
3½"	58X312CASC	2.16
4"	58X4CASC	2.66
4½"	58X412CASC	1.98
5"	58X5CASC	4.24
¾" Diameter		
2"	34X2CASC	2.22
2¼"	34X214CASC	2.74
2½"	34X212CASC	2.40
2¾"	34X234CASC	4.37
3"	34X3CASC	1.86
3¼"	34X314CASC	3.90
3½"	34X312CASC	3.38
3¾"	34X334CASC	2.57
4"	34X4CASC	4.78
4½"	34X412CASC	4.77
5½"	34X512CASC	7.40
⅞" Diameter		
2¼"	78X214CASC	5.83
2¾"	78X234CASC	5.08
3"	78X3CASC	5.04
3¾"	78X334CASC	5.40
4"	78X4CASC	5.72
4½"	78X412CASC	15.80
5"	78X5CASC	8.33
1" Diameter		
4½"	1X412CASC	8.82
5"	1X5CASC	10.84
1⅛" Diameter		
5½"	118X512CASC	14.88

(14b)

Stainless Steel Heavy Hex Nut

SIZE	STOCK NO	EACH
⅜"	38SSHENU	.41
½"	12SSHENU	1.06
⅝"	58SSHENU	1.59

Stainless Steel Washer

SIZE	STOCK NO	EACH
⅜"	38SSWA	.11
½"	12SSWA	.23
⅝"	58SSWA	.46

Zinc Plated Fender Washers

SIZE, DESCRIPTION	STOCK NO	EACH
¼"x 1½"	14FEWA	.22
⅜"x 1½"	38FEWA	.17

(14b)

Cap Nut

⅜" OD • Stainless Steel

FINISH	STOCK NO	EACH
Chrome	38CANU	.61

(14b)

Hex Nuts only for Cap Screws

SIZE	STOCK NO	EACH
Heavy Zinc-Plated		
¼"	14GAHENU	.06
⅜"	38GAHENU	.18
½"	12GAHENU	.36
⅝"	58GAHENU	.66
¾"	34GAHENU	1.08
⅞"	78GAHENU	1.81
1"	1GAHENU	4.00
1⅛"	118GAHENU	2.97

(14b)

Wrot Washer

SIZE	STOCK NO	EACH
Zinc		
¼"	14GAWA	.04
⅜"	38GAWA	.08
½"	12GAWA	.21
⅝"	58GAWA	.37
¾"	34GAWA	.51
⅞"	78GAWA	.83
1"	1GAWA	.90

(14b)

Zinc Hex Nut

SIZE	STOCK NO	EACH
⅜"	38GR5NU	.08

See Page 1407 for Flange Bolting for Butterfly Valves

(14b)

B/7 Stud Boltswith 2 Hex Nuts

SIZE	STOCK NO	EACH
½" Diameter		
2½"	12X212STBO	4.16
3"	12X3STBO	4.39
⅝" Diameter		
3"	58X3STBO	5.41
3½"	58X312STBO	5.18
3¾"	58X334STBO	5.32
4"	58X4STBO	5.45
5"	58X5STBO	5.95
¾" Diameter		
3½"	34X312STBO	6.76
4"	34X4STBO	7.13
4¼"	34X414STBO	7.32
4½"	34X412STBO	8.95
5"	34X5STBO	7.87
5½"	34X512STBO	8.83
5¾"	34X534STBO	8.42
⅞" Diameter		
5½"	78X512STBO	11.26

(02)

Bolt Packs

150# 1/16" non-asbestos ring gasket with hex head cap screws and hex nuts.

NOM PIPE SIZE	BOLT SIZE	STOCK NO	EACH
2"	⅝ x 2¾"	2BOPA	11.76
2½"	⅝ x 3"	212BOPA	12.11
3"	⅝ x 3"	3BOPA	12.60
4"	⅝ x 3"	4BOPA	23.42
5"	¾ x 3¼"	5BOPA	38.91
6"	¾ x 3¼"	6BOPA	39.29
8"	¾ x 3½"	8BOPA	40.23
10"	⅞ x 3¾"	100BOPA	121.12
12"	⅞ x 4"	120BOPA	124.66

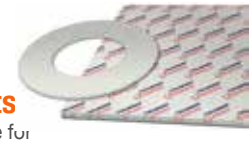
Flange Gaskets and Packing

(02)

Standard Non-Asbestos Gasketing

Light green with Nitrile binder
Maximum continuous operating temp. 400° F.
Suitable for water, hydrocarbons, oil, gasoline, 150 psi steam

PIPE SIZE	STOCK NO	EACH
150 # 1/16" Thick Ring Gaskets		
1"	1RIGA	.74
1¼"	114RIGA	.86
1½"	112RIGA	1.01
2"	2RIGA	1.57
2½"	212RIGA	1.99
3"	3RIGA	2.32
4"	4RIGA	3.47
5"	5RIGA	4.51
6"	6RIGA	4.46
8"	8RIGA	6.74
10"	100RIGA	9.39
12"	120RIGA	13.81
14"	140RIGA	16.42
16"	160RIGA	19.96
18"	18RIGA	24.35
150 # 1/16" Thick Full Face Gaskets		
1"	1FLGA	1.43
1¼"	114FLGA	1.63
1½"	112FLGA	1.87
2"	2FLGA	2.76
2½"	212FLGA	3.56
3"	3FLGA	4.04
4"	4FLGA	5.58
5"	5FLGA	7.01
6"	6FLGA	7.25
8"	8FLGA	10.60
300 # 1/16" Thick Ring Gaskets		
1¼"	114XHRIGA	.95
1½"	112XHRIGA	1.19
2"	2XHRIGA	1.69
2½"	212XHRIGA	2.14
3"	3XHRIGA	2.55
4"	4XHRIGA	3.68
5"	5XHRIGA	5.29
6"	6XHRIGA	5.79
8"	8XHRIGA	8.38
60x60" Sheet		
1/16"	116GRSHPA	209.44



Klinger® Quantum Gaskets

This material is suitable for use in oils, water, steam, gases, salt solutions, fuels, alcohols, weak organic and inorganic acids, hydrocarbons, lubricants and refrigerants. Klinger® Quantum is manufactured with a high-quality fiber and filler compound reinforced with a high temperature resistant HNBR matrix.

150# 1/16" • Meets NSF 61 Specifications

SIZE	STOCK NO	EACH
½"	12QRIGA	2.52
¾"	34QRIGA	3.47
1"	1QRIGA	4.60
1½"	112QRIGA	7.37
2"	2QRIGA	11.02
3"	3QRIGA	18.27
4"	4QRIGA	29.46
6"	6QRIGA	37.13
8"	8QRIGA	57.23

(02)

Black EPDM Gaskets

Maximum Temperature 275°F

SIZE	STOCK NO	EACH
150 # 1/8" Thick Full Face Gaskets		
¾"	3418FLGA	2.88
1"	118FLGA	3.33
1¼"	11418FLGA	3.83
1½"	11218FLGA	4.40
2"	218FLGA	6.47
2½"	21218FLGA	8.43
3"	318FLGA	9.53
4"	418FLGA	13.31
5"	518FLGA	16.69
6"	618FLGA	17.26
8"	818FLGA	24.74
Hand-Hole Gaskets		
2½ x 3½ x ½"	212X312X12HHGA	14.58
3 x 4 x ½"	3X4X12HHGA	16.66
3 x 4½ x ½"	3X412X12HHGA	16.66
3½ x 4½ x ½"	312X412X12HHGA	18.77
3½ x 4½ x ⅝"	312X412X58HHGA	18.77
4 x 6 x ⅝"	4X6X58HHGA	20.85
4 x 6 x ¾"	4X6X34HHGA	22.93
Man-Hole Gaskets		
10 x 14 x 1¼"	10X14X114MHGA	124.74
10 x 15 x 1¼"	10X15X114MHGA	124.74
11 x 15 x 1"	11X15X1MHGA	90.20
11 x 15 x 1¼"	11X15X114MHGA	83.37

(02)

Bolt Packs

150# 1/16" non-asbestos ring gasket with hex head cap screws and hex nuts.

NOM PIPE SIZE	BOLT SIZE	STOCK NO	EACH
2"	⅝ x 2¾"	2BOPA	11.76
2½"	⅝ x 3"	212BOPA	12.11
3"	⅝ x 3"	3BOPA	12.60
4"	⅝ x 3"	4BOPA	23.42
5"	¾ x 3¼"	5BOPA	38.91
6"	¾ x 3¼"	6BOPA	39.29
8"	¾ x 3½"	8BOPA	40.23
10"	⅞ x 3¾"	100BOPA	121.12
12"	⅞ x 4"	120BOPA	124.66

(02)

Red Rubber Gasketing

Maximum temperature 180°F.

PIPE SIZE	STOCK NO	EACH
150 # 1/16" Thick Ring Gaskets		
2"	2RRRIGA	1.43
2½"	212RRRIGA	1.81
3"	3RRRIGA	2.11
4"	4RRRIGA	3.12
6"	6RRRIGA	4.04
8"	8RRRIGA	5.82
150 # 1/16" Thick Full Face Gaskets		
2"	2RRFLGA	2.49
2½"	212RRFLGA	3.21
3"	3RRFLGA	3.59
4"	4RRFLGA	4.99
5"	5RRFLGA	6.27
6"	6RRFLGA	6.47
8"	8RRFLGA	9.21

36" Wide Sheets

Priced per running foot.

THICKNESS	APPROX ROLL LENGTH	STOCK NO	FT
1/16"	59'	116RUSHPA	10.96
3/32"	39'	332RUSHPA	20.97
⅛"	30'	18RUSHPA	21.98
3/16"	19'	316RUSHPA	33.00
¼"	14'	14RUSHPA	43.96

Rolls are approximately 100 lb.

Neoprene/Nitrile Blend Gaskets

Max. operating Temp. 190°F
Primary application: PVC or CPVC flanges

150# 1/8" thick full face

SIZE	STOCK NO	EACH
2"	2PVFLGA	4.36
2½"	212PVFLGA	5.61
3"	3PVFLGA	6.33
4"	4PVFLGA	8.72
6"	6PVFLGA	11.36

(02)

Dielectric Insulation Kit for 150# Flanges

Full face neoprene-faced phenolic gaskets with mylar sleeves and phenolic washers.

Maximum continuous working temp. 175°F.

SIZE	STOCK NO	PRICE
2½"	212INKI	117.82
3"	3INKI	121.53
4"	4INKI	217.43
6"	6INKI	283.34

Flange Gaskets & Packing

(02)

Spiral Wound Metallic Ring Gaskets

Type RW

Carbon steel outer ring, T304 stainless steel windings with mica graphite filler, no inner ring. Maximum temperature 500°F.

PIPE SIZE	STOCK NO	EACH
150#		
1"	1SPFLGA	4.84
1½"	112SPFLGA	5.58
2"	2SPFLGA	5.79
2½"	212SPFLGA	6.59
3"	3SPFLGA	7.75
4"	4SPFLGA	10.54
5"	5SPFLGA	13.66
6"	6SPFLGA	15.68
8"	8SPFLGA	20.11
10"	10SPFLGA	24.92
12"	12SPFLGA	36.77
300#		
1"	1300SPFLGA	4.90
1¼"	114300SPFLGA	5.35
1½"	112300SPFLGA	5.82
2"	2300SPFLGA	6.30
2½"	212300SPFLGA	6.89
3"	3300SPFLGA	8.17
4"	4300SPFLGA	10.87
5"	5300SPFLGA	14.11
6"	6300SPFLGA	16.07
8"	8300SPFLGA	21.98



(02)

Spiral Wound Gaskets

Style CGI – Flexible Graphite Filler

Spiral Wound Gasket Style CG with internal ring for an additional compression limiting stop, with Flexible Graphite filler material. Maximum temperature 842°F.

PIPE SIZE	STOCK NO	EACH
150#		
1½"	112SPFLGACGI	8.49
2"	2SPFLGACGI	9.68
2½"	212SPFLGACGI	11.73
3"	3SPFLGACGI	12.56
4"	4SPFLGACGI	16.63
5"	5SPFLGACGI	23.23
6"	6SPFLGACGI	24.59
8"	8SPFLGACGI	39.74
10"	10SPFLGACGI	52.66
12"	12SPFLGACGI	61.51
300#		
1½"	112300SPFLGACGI	9.27
2"	2300SPFLGACGI	9.80
2½"	212300SPFLGACGI	11.85
3"	3300SPFLGACGI	13.22
4"	4300SPFLGACGI	16.87
6"	6300SPFLGACGI	25.49
8"	8300SPFLGACGI	37.04
10"	10300SPFLGACGI	50.01
12"	12300SPFLGACGI	63.20

(02)

Braided Non-Asbestos Packing in 1 Pound Spools

Packmaster # 1

- Combination of resilient non-asbestos fibers and PTFE impregnation offers a non-contaminating, general service, clean, reliable packing.
- Typical applications are rotary, centrifugal, or reciprocating pumps, and valve stems for such services as mild acids and alkalis, air and dry industrial gases, petroleum and synthetic oils, aromatic and aliphatic solvents, and steam
- Max. temp. 500°F
- pH 4-10
- Shaft speed 1500 FPM
- Pressure 300 psi (rotary/centrifugal)
- Lattice braid contruction.

SIZE	STOCK NO	EACH
⅜"	38PM1	96.53

Packmaster # 2

- A combination of petroleum lubricants and graphite permeates the non-asbestos yarns to produces packing suited for services in hot and cold water, alcohol, very mild acids and alkalis, and steam.
- Typical services are rotary, centrifugal and reciprocating pumps, low pressure valves, and gasketing applications or other non-critical static sealing services.
- Max. temp. 500°F
- pH 4-10
- Shaft speed 1500 FPM
- Pressure 300 psi (rotary/centrifugal)
- Lattice braid contruction.

SIZE	STOCK NO	EACH
¼"	14PM2	96.53
5/16"	516PM2	96.53
⅜"	38PM2	96.53
7/16"	716PM2	96.53
½"	12PM2	96.53

Packmaster #3

- Soft and resilient non-asbestos packing saturated with petrolatum and graphite to offer added sealability. Suitable for older equipment with worn bearings or scored shafts.
- Commonly used for distillation units, cooling water systems, diesel and lubricating oils where low to medium pressures are encountered, Can also be used for hot and cold water, very mild acids and alkalis, and steam for low pressure valves, rotary, centrifugal and reciprocating pumps, and low pressure static seals. Max. temp. 500°F
- pH 4-10
- Shaft speed 1000 FPM
- Pressure 200 psi (rotary/centrifugal)
- Square braid contruction.

SIZE	STOCK NO	EACH
⅛"	18PM3	96.53



(02)

Sealex® PTFE (Teflon) Gasketing

for Making up Flange Gaskets on the Job

Temps to 500°F

Cut slightly longer than desired circumference and cross ends next to a bolt hole.

Recommended sizes for 150# flanges:

¼" . . . . . 1½ - 3"
⅜" . . . . . 4-10"
½" . . . . . 12"
⅝" . . . . . 14" or larger.

SIZE	STOCK NO	EACH
⅜" x 25'	38X25TJS	212.06

(02)

Packing Hooks

Use in pairs for easier removal of packing.

SIZE	STOCK NO	EACH
6 x ¼"	1PAHO	28.22



(02)

Style 9850 High Temp Gaskets

Composed of carbon fibers with a nitrile binder. Suitable for water, hydrocarbons, oil, gasoline, steam & most refrigerants, max pressure 2000 psi

Maximum continuous operating temp. 650° F.

PIPE SIZE	STOCK NO	EACH
150 # 1/16" Thick Ring Gaskets		
¾"	34GARRIGA	2.76
1"	1GARRIGA	3.62
1¼"	114GARRIGA	4.66
1½"	112GARRIGA	5.82
2"	2GARRIGA	8.73
2½"	212GARRIGA	12.00
3"	3GARRIGA	14.49
3½"	312GARRIGA	20.17
4"	4GARRIGA	23.40
5"	5GARRIGA	29.85
6"	6GARRIGA	29.49
150 # 1/16" Thick Full Face Gaskets		
¾"	34GARFLGA	7.57
1"	1GARFLGA	9.06
1¼"	114GARFLGA	10.66
1½"	112GARFLGA	12.41
2"	2GARFLGA	17.94
2½"	212GARFLGA	24.24
3"	3GARFLGA	27.74
3½"	312GARFLGA	35.49
4"	4GARFLGA	39.74
5"	5GARFLGA	49.18
6"	6GARFLGA	50.99
300 # 1/16" Thick Ring Gaskets		
¾"	34XHGARRIGA	3.62
1"	1XHGARRIGA	4.31
1¼"	114XHGARRIGA	5.41
1½"	112XHGARRIGA	7.10
2"	2XHGARRIGA	9.77
2½"	212XHGARRIGA	13.22
3"	3XHGARRIGA	17.23
3½"	312XHGARRIGA	20.97
4"	4XHGARRIGA	25.10
5"	5XHGARRIGA	35.73
6"	6XHGARRIGA	39.62
300 # 1/16" Thick Full Face Gaskets		
¾"	34XHGARFLGA	9.47
1"	1XHGARFLGA	11.32
1¼"	114XHGARFLGA	13.31
1½"	112XHGARFLGA	15.50
2"	2XHGARFLGA	22.42
2½"	212XHGARFLGA	30.29
3"	3XHGARFLGA	34.69
3½"	312XHGARFLGA	44.37
4"	4XHGARFLGA	49.69
5"	5XHGARFLGA	61.48
6"	6XHGARFLGA	63.74



PAINTED

No. 10 90° Grooved Elbows

SIZE	STOCK NO	EACH
2"	2V10	219.38
2½"	212V10	219.38
3"	3V10	382.50
4"	4V10	415.69
5"	5V10	982.69
6"	6V10	1154.82
8"	8V10	2395.68
10"	10V10	4427.43
Quickvic™ Fittings		
2"	2QV10	102.01
2½"	212QV10	119.00
3"	3QV10	186.00
4"	4QV10	228.00
5"	5QV10	294.01
6"	6QV10	355.00
8"	8QV10	535.01

No. 10 90° Grooved Elbows

GALVANIZED

SIZE	STOCK NO	EACH
2"	2V10G	288.00
2½"	212V10G	288.00
3"	3V10G	477.00
4"	4V10G	580.50
5"	5V10G	1269.00
6"	6V10G	1525.50
8"	8V10G	3152.80



PAINTED

No. 11 45° Grooved Elbows

SIZE	STOCK NO	EACH
2"	2V11	219.38
2½"	212V11	219.38
3"	3V11	382.50
4"	4V11	415.69
5"	5V11	982.69
6"	6V11	1154.82
8"	8V11	2395.68
10"	10V11	2873.25
Quickvic™ Fittings		
2"	2QV11	102.01
2½"	212QV11	119.00
3"	3QV11	186.00
4"	4QV11	228.00
5"	5QV11	294.01
6"	6QV11	355.00
8"	8QV11	361.00

No. 11 45° Grooved Elbows

GALVANIZED

SIZE	STOCK NO	EACH
2½"	212V11G	276.18
3"	3V11G	450.00
4"	4V11G	536.63
5"	5V11G	1217.81
6"	6V11G	1455.75
8"	8V11G	3002.62

No. 12 22½° Grooved Elbow

PAINTED

SIZE	STOCK NO	EACH
3"	3V12	341.44
4"	4V12	448.88
6"	6V12	1245.94



PAINTED

No. 13 11¼° Grooved Elbow

SIZE	STOCK NO	EACH
3"	3V13	341.44
4"	4V13	415.69
6"	6V13	1245.94



(07)

CTS Flange

Grooved

SIZE	STOCK NO	EACH
2½"	BSRG025	121.41
3"	BSRG003	145.69
4"	BSRG004	220.60
5"	BSRG005	275.00
6"	BSRG006	320.35
8"	BSRG008	361.75

Victaulic®



PAINTED

No. 20 Grooved Tee

SIZE	STOCK NO	EACH
2"	2V20	336.38
2½"	212V20	336.38
3"	3V20	459.00
4"	4V20	696.94
5"	5V20	1615.50
6"	6V20	1863.00
8"	8V20	4074.18
10"	10V20	5295.38
Quickvic™ Fittings		
2"	2QV20	159.00
2½"	212QV20	176.00
3"	3QV20	223.01
4"	4QV20	382.00
5"	5QV20	480.01
6"	6QV20	572.00
8"	8QV20	647.00

No. 20 Grooved Tee

GALVANIZED

SIZE	STOCK NO	EACH
2½"	212V20G	437.06
3"	3V20G	627.75
4"	4V20G	943.88
5"	5V20G	2048.06
6"	6V20G	2540.24
8"	8V20G	5344.31



PAINTED

No. 25 Reducing Tees

SIZE	STOCK NO	EACH
2½ x 2"	212X2V25	704.25
3 x 1½"	3X112V25	621.57
3 x 2"	3X2V25	621.57
3 x 2½"	3X212V25	621.57
4 x 2"	4X2V25	837.00
4 x 2½"	4X212V25	837.00
4 x 3"	4X3V25	837.00
5 x 2½"	5X212V25	1645.31
5 x 3"	5X3V25	1645.31
5 x 4"	5X4V25	1780.31
6 x 2½"	6X212V25	1959.19
6 x 3"	6X3V25	1959.19
6 x 4"	6X4V25	1959.19
6 x 5"	6X5V25	1959.19
8 x 4"	8X4V25	4074.18
8 x 5"	8X5V25	4074.18
8 x 6"	8X6V25	4074.18
10 x 8"	10X8V25	4538.24

No. 25 Reducing Tees

GALVANIZED

SIZE	STOCK NO	EACH
3 x 2½"	3X212V25G	800.44
4 x 2"	4X2V25G	1094.07
4 x 2½"	4X212V25G	1094.07
4 x 3"	4X3V25G	1094.07
5 x 3"	5X3V25G	2070.00
5 x 4"	5X4V25G	2248.87
6 x 2½"	6X212V25G	2571.75
6 x 3"	6X3V25G	2571.75
6 x 4"	6X4V25G	2571.75
8 x 6"	8X6V25G	5321.81

Steam Rated



No. 870 Rigid Coupling

- For use on schedules 40 and 80 carbon steel pipe
- Saturated steam systems up to 150 psi/1034 kPa/10 bar
- -20°F to +366°F
- Spring-energized PTFE composite seal
- Designed in accordance with ASME B31.1, ASME B31.3 & ASME B31.9

SIZE	STOCK NO	EACH
2"	2V870	1421.00
2½"	212V870	1713.00
3"	3V870	1798.00
4"	4V870	2100.99



OGS-200 90° Grooved Elbows

- For use on schedules 40 and 80 carbon steel pipe
- Designed in accordance with ASME B31.1, ASME B31.3 & ASME B31.9

SIZE	STOCK NO	EACH
2"	2V890	447.00
2½"	212V890	634.00
3"	3V890	907.00
4"	4V890	1665.00



OGS-200 45° Grooved Elbows

- For use on schedules 40 and 80 carbon steel pipe
- Designed in accordance with ASME B31.1, ASME B31.3 & ASME B31.9

SIZE	STOCK NO	EACH
2"	2V811	352.00
2½"	212V811	464.99
3"	3V811	639.00
4"	4V811	1116.00



OGS-200 Grooved Tees

- For use on schedules 40 and 80 carbon steel pipe
- Designed in accordance with ASME B31.1, ASME B31.3 & ASME B31.9

SIZE	STOCK NO	EACH
2"	2V820	716.00
2½"	212V820	1077.00
3"	3V820	1505.99
4"	4V820	2697.00



PAINTED

No. 60 Cap

SIZE	STOCK NO	EACH
2"	2V60	187.31
2½"	212V60	187.31
3"	3V60	187.31
4"	4V60	200.25
5"	5V60	459.00
6"	6V60	458.43
8"	8V60	870.18
10"	10V60	1517.06

GALVANIZED

No. 60 Cap

SIZE	STOCK NO	EACH
2"	2V60G	220.50
2½"	212V60G	220.50
3"	3V60G	220.50
4"	4V60G	261.00
5"	5V60G	613.68
6"	6V60G	613.68
8"	8V60G	1149.75

GALVANIZED

No. 741 Flange

NOM. SIZE	PIPE O.D.	STOCK NO	EACH
2½"	2.875	212V741G	1087.87
3"	3.500	3V741G	1176.19
4"	4.500	4V741G	1573.32
5"	5.563	5V741G	1821.93
6"	6.625	6V741G	1996.88
8"		8V741G	2323.69



No. 741-E Flange

With E-Gasket

NOM. SIZE	PIPE O.D.	STOCK NO	EACH
2"	2.375	2V741E	712.69
2½"	2.875	212V741E	883.13
3"	3.500	3V741E	953.44
4"	4.500	4V741E	1269.57
5"	5.563	5V741E	1474.31
6"	6.625	6V741E	1607.07
8"		8V741E	1814.63

Flange Metal Washer

For 741 Series Flange

SIZE	STOCK NO	EACH
2½"	212FLMEWA	42.87
3"	3FLMEWA	50.91
4"	4FLMEWA	54.21
5"	5FLMEWA	63.42
6"	6FLMEWA	73.75
8"	8FLMEWA	91.64

PAINTED



No. 177 Quickvic™ Flexible Coupling
With EHP Gasket

NOM. SIZE	PIPE O.D.	STOCK NO	EACH
2"	2.375	2V177	187.31
2½"	2.875	212V177	217.69
3"	3.500	3V177	238.50
4"	4.500	4V177	344.82
5"	5.563	5V177	549.00
6"	6.625	6V177	610.31
8"	8.625	8V177	1047.37

PAINTED



No. 75 Flexible Coupling
With E Gasket

NOM. SIZE	PIPE O.D.	STOCK NO	EACH
2"	2.375	2V75	224.78
2½"	2.875	212V75	261.23
3"	3.500	3V75	286.20
4"	4.500	4V75	413.78
5"	5.563	5V75	621.00
6"	6.625	6V75	732.38
8"	8.625	8V75	1185.30

E Gaskets ONLY

SIZE	STOCK NO	EACH
For 07/75/77 Series		
2"	2VGAS07E	124.88
2½"	212VGAS07E	144.45
3"	3VGAS07E	153.23
4"	4VGAS07E	191.70
5"	5VGAS07E	245.70
6"	6VGAS07E	263.25
8"	8VGAS07E	357.08
For 107/177 Series		
2"	2VGAS107E	146.81
2½"	212VGAS107E	159.75
3"	3VGAS107E	178.88
4"	4VGAS107E	238.50
5"	5VGAS107E	357.18
6"	6VGAS107E	397.13
8"	8VGAS107E	478.13
For 741 Series		
2"	2VGAS741E	85.50
2½"	212VGAS741E	98.44
3"	3VGAS741E	106.31
4"	4VGAS741E	135.00
5"	5VGAS741E	161.43
6"	6VGAS741E	178.88
8"	8VGAS741E	238.50

T Grade Gaskets ONLY
Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. (-20°F to 150°F)

SIZE	STOCK NO	EACH
For 107/177 Series		
2½"	212VGAS107T	162.00
3"	3VGAS107T	178.88
4"	4VGAS107T	238.50
5"	5VGAS107T	357.18
6"	6VGAS107T	397.13



PAINTED

Quickvic™ Rigid Coupling

SIZE	STOCK NO	EACH
No. 107V with EHP Gasket		
2"	2V107V	186.75
2½"	212V107V	212.06
3"	3V107V	244.69
4"	4V107V	338.62
5"	5V107V	435.38
6"	6V107V	568.69
8"	8V107V	898.32
10"	10V107V	1735.87

No. 107 Quickvic™ Rigid Coupling
GALVANIZED

With EHP Gasket

NOM. SIZE	PIPE O.D.	STOCK NO	EACH
2"	2.375	2V107EG	235.13
2½"	2.875	212V107EG	266.63
3"	3.500	3V107EG	310.50
4"	4.500	4V107EG	435.38
5"	5.563	5V107EG	565.88
6"	6.625	6V107EG	739.69
8"	8.625	8V107EG	1166.06



PAINTED

No. 99 Roust A Bout Coupling
With E Gasket

SIZE	STOCK NO	EACH
2"	2V99	815.00
2½"	212V99	815.00
3"	3V99	1187.00
4"	4V99	1372.01
5"	5V99	1940.00
6"	6V99	2370.99
8"	8V99	4174.00
10"	10V99	5415.00
12"	12V99	6794.00

PAINTED



No. 750 Reducing Coupling
With E Gasket

SIZE	STOCK NO	EACH
2½ x2"	212X2V750	381.38
3x2"	3X2V750	431.33
3x2½"	3X212V750	375.98
4x2"	4X2V750	679.05
4x2½"	4X212V750	609.53
4x3"	4X3V750	572.40
5x4"	5X4V750	764.78
6x4"	6X4V750	1148.85
6x5"	6X5V750	1009.13



PAINTED

No. 50 GxG Grooved Concentric Reducer

SIZE	STOCK NO	EACH
2½ x 2"	212X2V50	255.38
3x2"	3X2V50	226.69
3x2½"	3X212V50	306.56
4x2"	4X2V50	300.38
4x2½"	4X212V50	369.00
4x3"	4X3V50	369.00
5x2½"	5X212V50	744.19
5x3"	5X3V50	425.82
5x4"	5X4V50	506.82
6x3"	6X3V50	668.25
6x4"	6X4V50	587.25
6x5"	6X5V50	861.19
8x4'.	8X4V50	1186.31
8x5"	8X5V50	1186.31
8x6"	8X6V50	1503.56
10x8"	10X8V50	2948.06

No. 50 GxG Grooved Concentric Reducer
GALVANIZED

SIZE	STOCK NO	EACH
2½ x 2"	212X2V50G	300.38
3x2½"	3X212V50G	369.00
4x2½"	4X212V50G	447.19
4x3"	4X3V50G	447.19
5x4"	5X4V50G	631.13
6x4"	6X4V50G	756.00
6x5"	6X5V50G	1065.93
8x6"	8X6V50G	1882.68

No. 52 Grooved x MIP Concentric Reducer
PAINTED

SIZE	STOCK NO	EACH
2½ x2"	212X2V52	266.63
3x2"	3X2V52	325.69
3x2½"	3X212V52	392.07
4x2"	4X2V52	394.31
4x3"	4X3V52	482.63

No. 52 Grooved x MIP Concentric Reducer
GALVANIZED

SIZE	STOCK NO	EACH
2½ x2"	212X2V52G	325.69
3x2"	3X2V52G	388.69
3x2½"	3X212V52G	459.00
4x2"	4X2V52G	469.69
4x3"	4X3V52G	568.12



PAINTED

No. 51 Grooved Eccentric Reducer

SIZE	STOCK NO	EACH
3x2"	3X2V51	600.75
3x2½"	3X212V51	600.75
4x2½"	4X212V51	730.69
4x3"	4X3V51	730.69
5x3"	5X3V51	3292.31
5x4"	5X4V51	988.88
6x3"	6X3V51	1311.75
6x4"	6X4V51	1150.88
6x5"	6X5V51	1379.25
8x4"	8X4V51	5745.37
8x5"	8X5V51	5745.37
8x6"	8X6V51	2316.94



PAINTED

No. 80
Female Threaded Adapter
Ductile Iron

SIZE	STOCK NO	EACH
2"	2V80	388.69
2½"	212V80	388.69
3"	3V80	448.88

PAINTED



No. 40
Grooved X Threaded Black Adapter Nipple

SIZE	STOCK NO	EACH
2 x 4"	2X4V40	135.00
2½ x 4"	212X4V40	155.25
3 x 4"	3X4V40	187.31
4 x 6"	4X6V40	302.63
5 x 6"	5X6V40	617.63

Victaulic®

PAINTED



No. 920
Mechanical Tees
Clamp-on Type with FIP outlet
Run x Branch

SIZE	STOCK NO	EACH
2 x ½"	2X12V920	245.03
2 x ¾"	2X34V920	245.03
2 x 1"	2X1V920	245.03
2 x 1¼"	2X114V920	282.15
2 x 1½"	2X112V920	282.15
2½ x ½"	212X12V920	245.03
2½ x ¾"	212X34V920	245.03
2½ x 1"	212X1V920	245.03
2½ x 1¼"	212X114V920	341.55
2½ x 1½"	212X112V920	341.55
3 x ½"	3X12V920	282.15
3 x ¾"	3X34V920	282.15
3 x 1"	3X1V920	282.15
3 x 1¼"	3X114V920	352.35
3 x 1½"	3X112V920	352.35
3 x 2"	3X2V920	406.35
4 x ½"	4X12V920	351.00
4 x ¾"	4X34V920	351.00
4 x 1"	4X1V920	351.00
4 x 1¼"	4X114V920	409.73
4 x 1½"	4X112V920	425.93
4 x 2"	4X2V920	425.93
4 x 2½"	4X212V920	444.83
4 x 3"	4X3V920	473.18
5 x 1½"	5X112V920	518.40
5 x 2"	5X2V920	518.40
6 x 1½"	6X112V920	531.23
6 x 2"	6X2V920	531.23
6 x 2½"	6X212V920	572.40
6 x 3"	6X3V920	608.18
6 x 4"	6X4V920	674.33



No. 920
Mechanical Tees
Clamp-on Type with FIP outlet
Run x Branch

GALVANIZED

SIZE	STOCK NO	EACH
2½ x ¾"	212X34V920G	305.78
2½ x 1"	212X1V920G	305.78
3 x 1"	3X1V920G	341.55
3 x 1¼"	3X114V920G	439.43
3 x 1½"	3X112V920G	439.43
3 x 2"	3X2V920G	502.20
4 x 1"	4X1V920G	419.18
4 x 1½"	4X112V920G	535.28
4 x 2"	4X2V920G	540.00
4 x 2½"	4X212V920G	573.75
6 x 2"	6X2V920G	679.05
6 x 3"	6X3V920G	778.95
6 x 4"	6X4V920G	874.13



No. 647
Clearflow Dielectric Waterway Fittings
For continuous use at temperatures up to 225°F and for pressures up to 300psi.

SIZE	STOCK NO	EACH
MPT x MPT		
½ x 3"	12X3TV647	192.00
¾ x 3"	34X3TV647	192.00
1 x 4"	1X4TV647	287.00
1¼ x 4"	114X4TV647	399.01
1½ x 4"	112X4TV647	478.99
2 x 4"	2X4TV647	545.00
2½ x 6"	212X6TV647	731.00
GRV x MPT		
1½ x 4"	112X4TVG647	536.00
2 x 4"	2X4TVG647	545.00

(18)
LA-CO Gasket Lube

DESCRIPTION	STOCK NO	EACH
1 Quart	QTGALU	23.99

(09v)
Victaulic Gasket Lube

DESCRIPTION	STOCK NO	EACH
1 Quart	QTLUBE	394.31

Tego Dielectric Waterway Fittings (2)



Tego Dielectric Waterway Fittings
Steel exterior with polymer lining.
For continuous use at temperatures up to 225°F and for pressures up to 300psi.

SIZE	STOCK NO	EACH
MPT x MPT		
½ x 3"	5010001	6.92
¾ x 3"	5020001	7.32
1 x 4"	5030001	15.46
1¼ x 4"	5040001	17.93
1½ x 4"	5050001	20.06
2 x 4"	5060001	24.53
2½ x 6"	5070001	52.75
GRV x MPT		
1½ x 4"	5050002	23.82
2 x 4"	5060002	24.99

Rental Tools (41)



VG28 Gear Drive
For Grooving 4 – 6" Steel Pipe.
Requires Power Mule

STOCK NO	EACH
VG28	41454.59
RENTAL	Call for Pricing



Power Mule
External Power Source
For use with VG28

STOCK NO	EACH
POWERMULE	41440.37
RENTAL	Call for Pricing



RU1041 Portable Roll Groover
For use with Steel Pipe

STOCK NO	EACH
RU1041RENTAL	Call for Pricing



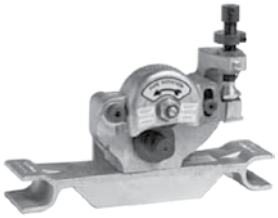
VE272SFS VIC-EASY FIELD ROLL GROOVING TOOL
Roll grooves 3/4 – 12" pipe
(Supplied with 2 – 12" carbon steel roll sets)
Requires VPD752 or Ridgid 300 Power Drive

STOCK NO	EACH
VE272SFS	17686.76
RENTAL	Call for Pricing



VE26C Copper In-Place Manual Roll Groover
2" – 6" Copper

STOCK NO	EACH
VE26C	4155.91
RENTAL	Call for Pricing



VE226C Copper Tube Groover
2" – 6" Copper

STOCK NO	EACH
VE226C	4654.67
RENTAL	Call for Pricing



HCT908 Hole Cutting Tool
½" – 4"

STOCK NO	EACH
HCT908	8077.32
RENTAL	Call for Pricing

For Grooved Copper Fittings Please Refer to Page 1118

Grooved Steel



Series 761 Steel Grooved Butterfly Valves
- Designed to provide bubble-tight shut-off in both directions to 300 PSI
- Ductile Iron ONLY
- EPDM disc

SIZE	STOCK NO	EACH
10-Position Handle with Memory Stop		
2"	V020761SE2	1864.80
2½"	V025761SE2	2297.40
3"	V030761SE2	2396.99
4"	V040761SE2	2859.60
5"	V050761SE2	5092.20
6"	V060761SE2	5376.59
8"	V080761SE2	6988.79
Gear Operator		
8"	V080761SE3	8462.39



Series 716 Grooved Check Valves
Vic-Check

SIZE	STOCK NO	EACH
2½"	212V716H	2539.24
3"	3V716H	2993.37
4"	4V716	3164.00
5"	5V716	5251.74
6"	6V716	6222.12
8"	8V716	8497.99

Grooved Fitting Valves (09)

victaulic.com



No. 788 Flanged End Circuit Balancing Valves

- Ductile iron body and Ametal® trim
- Precise flow measurement and balancing
- Positive shut-off with no drip seat
- Provision for connecting to a portable differencial (Ft. of head) pressure meter

SIZE	STOCK NO	EACH
2½"	212V788	2632.00
3"	3V788	4015.20
4"	4V788	5531.99
5"	5V788	9895.19
6"	6V788	12647.99



No. 789 Grooved End Circuit Balancing Valves

- Ductile iron body and Ametal® trim
- Precise flow measurement and balancing
- Positive shut-off with no drip seat
- Provision for connecting to a portable differencial (Ft. of head) pressure meter

SIZE	STOCK NO	EACH
2½"	212V789	2275.20
3"	3V789	3534.39
4"	4V789	4883.99
5"	5V789	8835.20
6"	6V789	11833.59
8"	8V789	25201.57



No. 790 TA Series Balancing Valve

- For use on heating (not steam), cooling, and potable water systems
- Balancing, pre-setting, measuring, shut-off, and draining (with accessory) capabilities
- Sizes from ½ – 2″ | DN15 – DN50
- Pressures up to 400 psi | 2758 kPa | 27.6 bar
- Rated from -4°F to 248°F | -20°C to 120°C

SIZE	STOCK NO	EACH
For Potable Water Applications		
½"	12V790	335.21
¾"	34V790	364.00
1"	1V790	508.80
1¼"	114V790	774.40
1½"	112V790	935.20
2"	2V790	1382.40



No. 732 Wye-Type Strainer

- Ductile Iron Body
- Access Cap & Coupling
- Type 304 Stainless Steel Basket
- Supplied with an NPT Tap & Plug to Accommodate a Drain or Blow Down Valve.

SIZE	STOCK NO	EACH
2½"	212V732	4344.60
3"	3V732	4880.40
4"	4V732	5522.39
5"	5V732	7987.79
6"	6V732	8667.59
8"	8V732	13284.58



Contains LEAD

No. 786 Sweat End Circuit Balancing Valves

- Full Ametal® copper alloy bodies
- Can be installed in any direction
- Precise flow measurement and balancing
- Positive shut-off with no drip seat
- Drain port suitable for bib fitting

SIZE	STOCK NO	EACH
½"	12V786	287.20
¾"	34V786	301.60
1"	1V786	402.39
1¼"	114V786	612.00
1½"	112V786	704.00
2"	2V786	1055.20



Contains LEAD

No. 787 NPT End Circuit Balancing Valves

- Full Ametal® copper alloy bodies
- Can be installed in any direction
- Precise flow measurement and balancing
- Positive shut-off with no drip seat
- Drain port suitable for bib fitting

SIZE	STOCK NO	EACH
½"	12V787	278.40
¾"	34V787	303.99
1"	1V787	408.00
1¼"	114V787	619.20
1½"	112V787	713.60
2"	2V787	1064.00

KOIL-KIT

Coil Packs • Threaded

Kit Includes: Series 78U, 786 & 78K

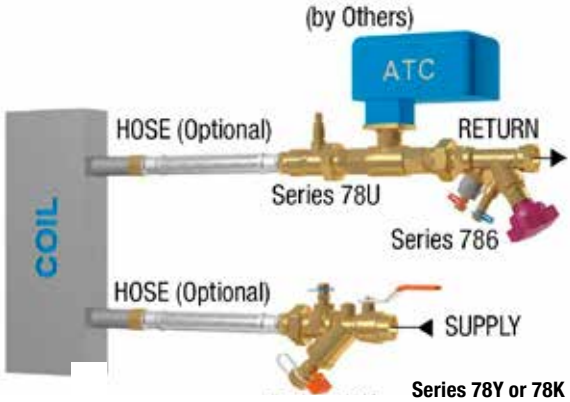
SIZE	STOCK NO	EACH
(2) - 24" Hoses included		
½"	12V79978KH	1111.05
¾"	34V79978KH	1325.70
1"	1V79978KH	1971.00
Hose not included		
½"	12V79978K	859.95
¾"	34V79978K	915.30
1"	1V79978K	1287.90

KOIL-KIT

Coil Packs • Threaded •Hose not included

Kit Includes: Series 78U, 787 & 78Y

SIZE	STOCK NO	EACH
½"	12V799T	732.38
¾"	34V799T	785.03
1"	1V799T	1142.10
¾" x ½"	34X12V799T	763.43



Series 78Y or 78K

KOIL-KIT

Coil Packs • Sweat • Hose not included

Kit Includes: Series 78U, 786 & 78Y

SIZE	STOCK NO	EACH
½"	12V799	738.45
¾"	34V799	782.33
1"	1V799	1136.70
1½"	112V799	1979.10
2"	2V799	2633.85
¾" x ½"	34X12V799	770.85



(12)

9517/19AB Series

Fixed Orifice Double Regulating Valve

300WOG • Water from 15°F to 260°F

THREADED

SIZE	STOCK NO	EACH
½"	129517AB	129.01
½" (Low Flow)	129517ABL	129.01
¾"	349517AB	136.81
1"	19517AB	152.24
SWEAT		
½" (Low Flow)	129519ABL	129.01

redwhitevalvecorp.com





Type M Hard Copper
For General Plumbing with soldered fittings only.
10' and 20' Lengths

NOMINAL	O.D.	WALL THICKNESS	STOCK NO	PER FOOT
3/8 x 20'	.500	.025	38MH	4.53
1/2 x 10'	.625	.028	12X10MH	4.55
1/2 x 20'	.625	.028	12MH	4.55
3/4 x 10'	.875	.032	34X10MH	7.35
3/4 x 20'	.875	.032	34MH	7.35
1 x 10'	1.125	.035	1X10MH	11.23
1 x 20'	1.125	.035	1MH	11.23
1 1/4 x 10'	1.375	.042	114X10MH	19.31
1 1/4 x 20'	1.375	.042	114MH	19.31
1 1/2 x 10'	1.625	.049	112X10MH	26.57
1 1/2 x 20'	1.625	.049	112MH	26.57
2 x 10'	2.125	.058	2X10MH	40.85
2 x 20'	2.125	.058	2MH	40.85
2 1/2 x 20'	2.625	.065	212MH	60.30
3 x 20'	3.125	.072	3MH	80.04
4 x 20'	4.125	.095	4MH	147.48

Type L Hard Copper
For General Plumbing
10' and 20' Lengths

NOMINAL	O.D.	WALL THICKNESS	STOCK NO	PER FOOT
1/4" x 20'	.375	.030	14LH	3.93
3/8" x 20'	.500	.035	38LH	5.75
1/2" x 10'	.625	.040	12X10LH	6.11
1/2" x 20'	.625	.040	12LH	6.11
3/4" x 10'	.875	.045	34X10LH	10.00
3/4" x 20'	.875	.045	34LH	10.00
1" x 10'	1.125	.050	1X10LH	14.69
1" x 20'	1.125	.050	1LH	14.69
1 1/4" x 10'	1.375	.055	114X10LH	23.26
1 1/4" x 20'	1.375	.055	114LH	23.26
1 1/2" x 10'	1.625	.060	112X10LH	29.53
1 1/2" x 20'	1.625	.060	112LH	29.53
2" x 10'	2.125	.070	2X10LH	46.22
2" x 20'	2.125	.070	2LH	46.22
2 1/2" x 10'	2.625	.080	212X10LH	67.54
2 1/2" x 20'	2.625	.080	212LH	67.54
3" x 10'	3.125	.090	3X10LH	94.31
3" x 20'	3.125	.090	3LH	94.31
4" x 10'	4.125	.110	4X10LH	157.89
4" x 20'	4.125	.110	4LH	157.89
5" x 20'	5.125	.125	5LH	224.35
6" x 20'	6.125	.140	6LH	304.64

Type K Hard Copper
For General Plumbing
20' Lengths

NOMINAL	O.D.	WALL THICKNESS	STOCK NO	PER FOOT
1/2"	.625	.049	12KH	9.45
3/4"	.875	.065	34KH	17.49
1"	1.125	.065	1KH	22.68
1 1/4"	1.375	.065	114KH	28.51
1 1/2"	1.625	.072	112KH	37.61
2"	2.125	.083	2KH	55.38
2 1/2"	2.625	.095	212KH	82.92
3"	3.125	.100	3KH	114.46

Type L (ACR) Hard Copper
As permitted in the ASTM B819 standard, type L OXY/ACR, ACR/MED straight length tubing is ink marked in blue color with a dual stencil that includes both "ACR and OXY/MED".

O.D.	WALL THICKNESS	STOCK NO	PER FOOT
20' Lengths			
1/4"	.025	14ACRH	5.55
3/8"	.030	38ACRH	4.20
1/2"	.035	12ACRH	6.33
5/8"	.040	58ACRH	8.19
3/4"	.042	34ACRH	10.97
7/8"	.045	78ACRH	13.02
1 1/8"	.050	118ACRH	18.73
1 3/8"	.055	138ACRH	24.96
1 5/8"	.060	158ACRH	32.43
2 1/8"	.070	218ACRH	48.91
2 5/8"	.080	258ACRH	71.26
3 1/8"	.090	318ACRH	96.33
4 1/8"	.110	418ACRH	172.36
10' Lengths			
5/8"	.040	58X10ACRH	8.19
7/8"	.045	78X10ACRH	13.02
1 1/8"	.050	118X10ACRH	18.73
1 3/8"	.055	138X10ACRH	24.96
1 5/8"	.060	158X10ACRH	32.43
2 1/8"	.070	218X10ACRH	48.91

Type K Cleaned and Capped Copper
For Oxygen Service
20' Lengths

NOMINAL	O.D.	WALL THICKNESS	STOCK NO	PER FOOT
1/2"	.625	.049	12KHCC	10.28
3/4"	.875	.065	34KHCC	18.62
1"	1.125	.065	1KHCC	24.96
1 1/4"	1.375	.065	114KHCC	30.05
1 1/2"	1.625	.072	112KHCC	39.25
2"	2.125	.083	2KHCC	58.32

032 Wall Hard Copper
20' Lengths

O.D.	STOCK NO	PER FOOT
1/4"	14032WL	4.50



CT Series Plugs
The CT Series is designed to plug and protect Type L and M copper tubing. A tapered body with reinforced cross-braces provides exceptional protection for the tube configuration.

O.D.	STOCK NO	PER FOOT
5/8"	CT12	.98
7/8"	CT20	1.07
1 1/8"	CT24	1.57
1 3/8"	CT28	1.80
1 5/8"	CT32	2.16
2 1/8"	CT36	4.19
2 5/8"	CT40	4.40
3 1/8"	CT44	9.83
4 1/8"	CT52	11.21

Type L Soft Copper
For General Plumbing
60' and 100' coils

NOMINAL	O.D.	WALL THICKNESS	STOCK NO	PER FOOT
1/4 x 60'	.375	.030	14X60LS	3.99
1/4 x 100'	.375	.030	14X100LS	3.99
3/8 x 60'	.500	.035	38X60LS	5.92
3/8 x 100'	.500	.035	38X100LS	5.92
1/2 x 60'	.625	.040	12X60LS	8.62
1/2 x 100'	.625	.040	12X100LS	8.62
3/4 x 60'	.875	.045	34X60LS	13.73
3/4 x 100'	.875	.045	34X100LS	13.73
1 x 60'	1.125	.050	1X60LS	19.67
1 x 100'	1.125	.050	1X100LS	19.67
1 1/4 x 60'	1.375	.055	114X60LS	26.71
1 1/2 x 60'	1.625	.060	112X60LS	34.39

Type K-Soft Copper
For Underground Service and General Plumbing

NOMINAL	O.D.	WALL THICKNESS	STOCK NO	PER FOOT
1/4 x 60'	.375	.035	14X60KS	4.68
1/4 x 100'	.375	.035	14X100KS	4.68
3/8 x 60'	.500	.049	38X60KS	8.44
3/8 x 100'	.500	.049	38X100KS	8.44
1/2 x 60'	.625	.049	12X60KS	10.33
1/2 x 100'	.625	.049	12X100KS	10.33
3/4 x 60'	.875	.065	34X60KS	19.26
3/4 x 100'	.875	.065	34X100KS	19.26
1 x 60'	1.125	.065	1X60KS	25.57
1 x 75'	1.125	.065	1X75KS	25.57
1 x 100'	1.125	.065	1X100KS	25.57
1 1/4 x 60'	1.375	.065	114X60KS	31.36
1 1/2 x 60'	1.625	.072	112X60KS	40.76
2 x 40'	2.125	.083	2X40KS	62.52
20' Lengths				
1 1/2 x 20'	1.625	.072	112X20KS	48.31
2 x 20'	2.125	.083	2X20KS	74.35

Copper Refrigeration Tube
For Refrigeration purposes
50' Coils

O.D.	WALL THICKNESS	STOCK NO	PER COIL
1/8"	.030	18ACRS	100.35
3/16"	.030	316ACRS	117.29
1/4"	.030	14ACRS	133.61
5/16"	.032	516ACRS	181.18
3/8"	.032	38ACRS	188.89
1/2"	.032	12ACRS	268.75
5/8"	.035	58ACRS	359.71
3/4"	.035	34ACRS	429.18
7/8"	.045	78ACRS	636.99

Copper Solder Fittings (07)

camlee.com



Straight 90° Elbow

Copper to Copper

SIZE	STOCK NO	EACH
1/8"	18COL	8.28
1/4"	14COL	7.53
3/8"	38COL	7.28
1/2"	12COL	2.63
5/8"	58COL	15.23
3/4"	34COL	5.80
1"	1COL	14.22
1 1/4"	114COL	21.73
1 1/2"	112COL	32.85
2"	2COL	59.85
2 1/2"	212COL	109.10
3"	3COL	155.08
4"	4COL	339.72
5"	5COL	1383.97
6"	6COL	1843.93
Reducing 90° Elbow		
1/2 x 1/4"	12X14COL	24.79
1/2 x 3/8"	12X38COL	24.22
3/4 x 1/2"	34X12COL	14.85
3/4 x 5/8"	34X58COL	14.22
1 x 1/2"	1X12COL	30.41
1 x 3/4"	1X34COL	27.21
1 1/4 x 3/4"	114X34COL	141.72
1 1/4 x 1"	114X1COL	68.59
1 1/2 x 1 1/4"	112X114COL	90.22
2 x 1 1/2"	2X112COL	121.51



90° Long Radius Elbow

Copper to Copper

SIZE	STOCK NO	EACH
5/16"	516COLRL	12.48
1/4"	14COLRL	10.28
3/8"	38COLRL	12.98
1/2"	12COLRL	11.64
5/8"	58COLRL	11.78
3/4"	34COLRL	15.05
1"	1COLRL	24.21
1 1/4"	114COLRL	39.23
1 1/2"	112COLRL	51.62
2"	2COLRL	135.77
2 1/2"	212COLRL	200.78
3"	3COLRL	264.79



180° Return Bend

Copper to Copper

SIZE	STOCK NO	EACH
3/4 x 2 1/2"	34CORB	43.28
1 x 3"	1CORB	87.40
1 1/4 x 3 3/4"	114CORB	159.26
1 1/2 x 4 1/2"	112CORB	180.66



90° Street Elbow

Copper to Fitting

SIZE	STOCK NO	EACH
1/4"	14COSL	13.19
3/8"	38COSL	9.08
1/2"	12COSL	3.95
3/4"	34COSL	8.37
1"	1COSL	21.42
1 1/4"	114COSL	31.49
1 1/2"	112COSL	42.09
2"	2COSL	91.48
2 1/2"	212COSL	142.72
3"	3COSL	200.33
4"	4COSL	443.39



90° Long Radius Street Elbow

Fitting to Copper

SIZE	STOCK NO	EACH
1/4"	14COLSL	12.18
1/2"	12COLSL	17.50
5/8"	58COLSL	20.70
3/4"	34COLSL	20.90
1"	1COLSL	35.58
1 1/4"	114COLSL	51.00
1 1/2"	112COLSL	72.79
2"	2COLSL	118.48
3"	3COLSL	371.36



45° Straight Elbow

Copper to Copper

SIZE	STOCK NO	EACH
1/4"	14CO45L	13.37
3/8"	38CO45L	11.46
1/2"	12CO45L	4.74
5/8"	58CO45L	20.08
3/4"	34CO45L	8.04
1"	1CO45L	20.20
1 1/4"	114CO45L	27.07
1 1/2"	112CO45L	33.25
2"	2CO45L	55.52
2 1/2"	212CO45L	107.87
3"	3CO45L	150.73
4"	4CO45L	310.58
6"	6CO45L	1838.63



45° Street Elbow

Copper to Fitting

SIZE	STOCK NO	EACH
1/4"	14COS45L	19.94
3/8"	38COS45L	18.50
1/2"	12COS45L	5.64
5/8"	58COS45L	31.90
3/4"	34COS45L	8.13
1"	1COS45L	27.21
1 1/4"	114COS45L	33.30
1 1/2"	112COS45L	41.56
2"	2COS45L	66.06
2 1/2"	212COS45L	143.44
3"	3COS45L	182.59
4"	4COS45L	374.98



90° Straight Male Elbow

Copper to Male IPS

SIZE	STOCK NO.	EACH
1/2"	12COML	30.08
3/4"	34COML	51.79
1"	1COML	98.34



90° Female Elbow

Copper to Female IPS

SIZE	STOCK NO	EACH
Straight		
1/2"	12COFL	29.76
3/4"	34COFL	55.48
1"	1COFL	130.86
Reducing - Copper to Female		
1/2 x 3/8"	12X38COFL	37.66
3/4 x 1/2"	34X12COFL	77.50
1 x 3/4"	1X34COFL	118.33



90° Drop Ear Elbow

Copper to Copper

SIZE	STOCK NO	EACH
1/2"	12CODEL	31.42
3/4"	34CODEL	80.62



90° Drop Ear Elbow

Copper to Female IPS

SIZE	STOCK NO	EACH
1/2"	12COFDEL	29.17
3/4"	34COFDEL	56.41
1/2 x 3/8"	12X38COFDEL	52.76
3/4 x 1/2"	34X12COFDEL	102.93



Flanged Sink Elbow

Copper to Female

SIZE	STOCK NO	EACH
1/2"	12COFSL	49.71



Straight Tee
Copper All Ways

SIZE	STOCK NO	EACH
1/8"	18COT	14.21
1/4"	14COT	15.01
3/8"	38COT	12.04
1/2"	12COT	4.42
3/4"	34COT	10.64
1"	1COT	31.90
1 1/4"	114COT	43.99
1 1/2"	112COT	66.46
2"	2COT	105.68
2 1/2"	212COT	194.43
3"	3COT	279.53
4"	4COT	654.44



Reducing Tee
Dimensions are Run x Run x Branch

SIZE	STOCK NO	EACH
3/8 x 3/8 x 1/2"	38X12COT	21.18
1/2 x 1/2 x 3/4"	12X34COT	20.20
1/2 x 1/2 x 3/8"	12X38COT	25.46
1/2 x 1/2 x 1/4"	12X14COT	25.46
1/2 x 3/8 x 3/8"	12X38X38COT	35.62
3/4 x 3/4 x 1"	34X1COT	35.38
3/4 x 3/4 x 1/2"	34X12COT	10.13
3/4 x 3/4 x 3/8"	34X38COT	13.84
3/4 x 1/2 x 3/4"	34X12X34COT	12.44
3/4 x 1/2 x 1/2"	34X12X12COT	12.44
1 x 1 x 1 1/4"	1X114COT	72.54
1 x 1 x 1/2"	1X12COT	32.63
1 x 1 x 3/4"	1X34COT	32.63
1 x 3/4 x 1"	1X34X1COT	38.82
1 x 3/4 x 3/4"	1X34X34COT	38.82
1 x 3/4 x 1/2"	1X34X12COT	38.82
1 x 1/2 x 1"	1X12X1COT	38.82
1 x 1/2 x 3/4"	1X12X34COT	40.85
1 x 1/2 x 1/2"	1X12X12COT	38.82
1 1/4 x 1 1/4 x 1 1/2"	114X112COT	103.04
1 1/4 x 1 1/4 x 1"	114X1COT	47.52
1 1/4 x 1 1/4 x 3/4"	114X34COT	47.52
1 1/4 x 1 1/4 x 1/2"	114X12COT	47.52
1 1/4 x 1 x 1 1/4"	114X1X114COT	62.43
1 1/4 x 1 x 1"	114X1X1COT	61.00
1 1/4 x 1 x 3/4"	114X1X34COT	59.85
1 1/4 x 1 x 1/2"	114X1X12COT	62.43
1 1/4 x 3/4 x 1 1/4"	114X34X114COT	61.00
1 1/4 x 3/4 x 1"	114X34X1COT	65.68
1 1/4 x 3/4 x 3/4"	114X34X34COT	61.00
1 1/4 x 1/2 x 1 1/4"	114X12X114COT	62.43
1 1/2 x 1 1/2 x 2"	112X2COT	228.23
1 1/2 x 1 1/2 x 1 1/4"	112X114COT	50.47
1 1/2 x 1 1/2 x 1"	112X1COT	50.47
1 1/2 x 1 1/2 x 3/4"	112X34COT	50.47
1 1/2 x 1 1/2 x 1/2"	112X12COT	50.47
1 1/2 x 1 1/4 x 1 1/2"	112X114X112COT	107.56
1 1/2 x 1 1/4 x 1 1/4"	112X114X114COT	103.22
1 1/2 x 1 1/4 x 1"	112X114X1COT	101.23
1 1/2 x 1 1/4 x 3/4"	112X114X34COT	103.19
1 1/2 x 1 1/4 x 1/2"	112X114X12COT	124.37
1 1/2 x 1 x 1 1/2"	112X1X112COT	103.22
1 1/2 x 1 x 1 1/4"	112X1X114COT	107.56
1 1/2 x 1 x 1"	112X1X1COT	101.23

Reducing Tee (Continued)

SIZE	STOCK NO	EACH
1 1/2 x 1 x 3/4"	112X1X34COT	119.35
1 1/2 x 3/4 x 1 1/2"	112X34X112COT	101.23
1 1/2 x 3/4 x 1"	112X34X1COT	107.56
1 1/2 x 3/4 x 3/4"	112X34X34COT	107.56
1 1/2 x 1/2 x 1 1/2"	112X12X112COT	103.47
2 x 2 x 1 1/2"	2X112COT	82.29
2 x 2 x 1 1/4"	2X114COT	91.33
2 x 2 x 1"	2X1COT	82.29
2 x 2 x 3/4"	2X34COT	79.81
2 x 2 x 1/2"	2X12COT	79.81
2 x 1 1/2 x 2"	2X112X2COT	159.08
2 x 1 1/2 x 1 1/2"	2X112X112COT	134.54
2 x 1 1/2 x 1 1/4"	2X112X114COT	149.54
2 x 1 1/2 x 1"	2X112X1COT	137.58
2 x 1 1/2 x 3/4"	2X112X34COT	137.58
2 x 1 1/2 x 1/2"	2X112X12COT	142.19
2 x 1 1/4 x 2"	2X114X2COT	143.40
2 x 1 1/4 x 1 1/2"	2X114X112COT	145.00
2 x 1 1/4 x 1 1/4"	2X114X114COT	149.54
2 x 1 1/4 x 1"	2X114X1COT	147.86
2 x 1 x 1"	2X1X1COT	137.58
2 x 1 x 2"	2X1X2COT	137.58
2 x 3/4 x 2"	2X34X2COT	137.58
2 x 1/2 x 2"	2X12X2COT	142.65
2 1/2 x 2 x 2 1/2"	212X2X212COT	294.17
2 1/2 x 2 x 2"	212X2X2COT	284.25
2 1/2 x 2 x 1 1/2"	212X2X112COT	294.87
2 1/2 x 2 x 1"	212X2X1COT	305.44
2 1/2 x 1 1/2 x 2 1/2"	212X112X212COT	305.44
2 1/2 x 1 1/2 x 1 1/2"	212X112X112COT	409.33
2 1/2 x 3/4 x 2 1/2"	212X34X212COT	311.07
2 1/2 x 2 1/2 x 2"	212X2COT	227.08
2 1/2 x 2 1/2 x 1 1/2"	212X112COT	227.08
2 1/2 x 2 1/2 x 1 1/4"	212X114COT	227.08
2 1/2 x 2 1/2 x 1"	212X1COT	227.08
2 1/2 x 2 1/2 x 3/4"	212X34COT	221.92
2 1/2 x 2 1/2 x 1/2"	212X12COT	227.08
3 x 2 x 3"	3X2X3COT	406.62
3 x 3 x 2 1/2"	3X212COT	257.17
3 x 3 x 2"	3X2COT	234.85
3 x 3 x 1 1/2"	3X112COT	234.85
3 x 3 x 1 1/4"	3X114COT	234.85
3 x 3 x 1"	3X1COT	234.85
3 x 3 x 3/4"	3X34COT	234.85
3 x 3 x 1/2"	3X12COT	234.85
3 x 2 1/2 x 2 1/2"	3X212X212COT	392.17
3 x 2 1/2 x 2"	3X212X2COT	392.17
3 x 2 x 2 1/2"	3X2X212COT	494.25
3 x 2 x 2"	3X2X2COT	382.64
3 x 1 1/2 x 3"	3X112X3COT	453.49
3 x 1 x 3"	3X1X3COT	428.71
3 x 3/4 x 3"	3X34X3COT	417.65
4 x 4 x 3"	4X3COT	465.14
4 x 4 x 2"	4X2COT	441.97
4 x 4 x 3/4"	4X34COT	472.78
4 x 3 x 4"	4X3X4COT	873.58
4 x 3 x 3"	4X3X3COT	843.96
4 x 4 x 2 1/2"	4X212COT	503.17
4 x 4 x 1 1/2"	4X112COT	417.65
4 x 4 x 1 1/4"	4X114COT	437.14
4 x 4 x 1"	4X1COT	417.65
5 x 4"	5X4COT	2003.27
5 x 3"	5X3COT	1974.79
6 x 4"	6X4COT	2837.54



Straight Tee
Copper to Copper to Female

SIZE	STOCK NO	EACH
1/2"	12COFT	46.78
3/4"	34COFT	72.24
1"	1COFT	162.42
Reducing Tee		
1/2 x 3/4"	12X34COFT	79.40
1/2 x 3/8"	12X38COFT	47.13
3/4 x 1/2"	34X12COFT	71.01
3/4 x 3/8"	34X38COFT	79.40
1 x 3/4"	1X1X34COFT	102.90
1x1/2"	1X1X12COFT	103.90



Straight Tee
Copper to female to Copper

SIZE	STOCK NO	EACH
1/2"	12COCFCT	44.65
3/4"	34COCFCT	85.42

Copper Companion Flanges



CTS Copper Companion Flanges
Class 150lb.
ORDER BOLT PACK SEPARATELY.

SIZE	STOCK NO	EACH
1 1/2"	GB015	126.25
2"	GB002	162.42
2 1/2"	GB025	198.46
3"	GB003	212.00
4"	GB004	312.56
5"	GB005	684.61
6"	GB006	712.17



Companion Flange
Sweat F-900, 150 lb.

SIZE	STOCK NO	EACH
1"	1150COF	280.73
1 1/4"	114150COF	232.09
1 1/2"	112150COF	406.42
2"	2150COF	522.30
2 1/2"	212150COF	659.10
3"	3150COF	682.37
4"	4150COF	1034.73

Class 150 ASME Flange Dimensions

Nominal Pipe Size NPS (inches)	Dia. of Flange (inches)	No. of Bolts	Dia. of Bolts (inches)	Dia. of Bolt Holes (inches)	Bolt Circle (inches)
1	4-1/4	4	1/2	0.62	3-1/8
1-1/4	4-5/8	4	1/2	0.62	3-1/2
1-1/2	5	4	1/2	0.62	3-7/8
2	6	4	5/8	0.75	4-3/4
2-1/2	7	4	5/8	0.75	5-1/2
3	7-1/2	4	5/8	0.75	6
3-1/2	8-1/2	8	5/8	0.75	7
4	9	8	5/8	0.75	7-1/2
5	10	8	3/4	0.88	8-1/2
6	11	8	3/4	0.88	9-1/2

Copper Solder Fittings (07)

camlee.com



Drop Ear Tee

Copper all Ways

SIZE	STOCK NO	EACH
½"	12CODET	56.67



Drop Ear Tee

Copper to Copper to Female

SIZE	STOCK NO	EACH
½"	12COFDET	78.47
¾"	34COFDET	143.94



Straight Coupling

Copper to Copper with Stop

SIZE	STOCK NO	EACH
⅛"	18COC	2.06
¼"	14COC	1.79
5/16"	516COC	2.32
⅜"	38COC	2.32
½"	12COC	1.97
⅝"	58COC	5.74
¾"	34COC	4.06
1"	1COC	7.95
1¼"	114COC	13.37
1½"	112COC	18.03
2"	2COC	30.09
2½"	212COC	58.26
3"	3COC	82.29
4"	4COC	167.68
5"	5COC	385.63
6"	6COC	639.97



Reducing Coupling

SIZE	STOCK NO	EACH
¼ x ⅛"	14X18COR	11.81
⅜ x 5/16"	38X516COR	13.15
⅜ x ¼"	38X14COR	3.87
⅜ x ⅛"	38X18COR	6.03
½ x ⅜"	12X38COR	4.00
½ x ¼"	12X14COR	4.82
⅝ x ½"	58X12COR	9.70
¾ x ⅝"	34X58COR	6.86
¾ x ½"	34X12COR	6.90
¾ x ⅜"	34X38COR	8.55
¾ x ¼"	34X14COR	9.72
1 x ¾"	1X34COR	12.55
1 x ½"	1X12COR	15.11
1¼ x 1"	114X1COR	17.40
1¼ x ¾"	114X34COR	17.40
1¼ x ½"	114X12COR	18.45
1½ x 1¼"	112X114COR	28.82
1½ x 1"	112X1COR	29.36
1½ x ¾"	112X34COR	29.36
2 x 1½"	2X112COR	44.54
2 x 1¼"	2X114COR	44.54
2 x 1"	2X1COR	47.92
2 x ¾"	2X34COR	48.83
2 x ½"	2X12COR	50.82
2½ x 2"	212X2COR	91.55
2½ x 1½"	212X112COR	93.53
2½ x 1¼"	212X114COR	105.68
2½ x 1"	212X1COR	106.40
3 x 2½"	3X212COR	113.17
3 x 2"	3X2COR	111.06
3 x 1½"	3X112COR	123.80
4 x 3"	4X3COR	225.15
4 x 2"	4X2COR	246.24



Fitting Reducer

Fitting to Copper

SIZE	STOCK NO	EACH
⅜ x ¼"	38X14COFR	5.30
⅜ x ⅛"	38X18COFR	6.47
½ x ⅜"	12X38COFR	5.21
½ x ¼"	12X14COFR	4.98
⅝ x ½"	58X12COFR	10.77
¾ x ½"	34X12COFR	6.80
¾ x ⅜"	34X38COFR	8.90
1 x ¾"	1X34COFR	10.64
1 x ½"	1X12COFR	13.57
1 x ⅜"	1X38COFR	12.84
1¼ x 1"	114X1COFR	19.38
1¼ x ¾"	114X34COFR	19.01
1¼ x ½"	114X12COFR	19.01
1½ x 1¼"	112X114COFR	24.76
1½ x 1"	112X1COFR	24.76
1½ x ¾"	112X34COFR	25.24
1½ x ½"	112X12COFR	25.24
2 x 1½"	2X112COFR	46.63
2 x 1¼"	2X114COFR	46.63
2 x 1"	2X1COFR	50.05
2 x ¾"	2X34COFR	50.05
2 x ½"	2X12COFR	53.17
2½ x 2"	212X2COFR	86.21
2½ x 1½"	212X112COFR	88.15
2½ x 1¼"	212X114COFR	103.59
2½ x 1"	212X1COFR	100.28
3 x 2½"	3X212COFR	104.07
3 x 2"	3X2COFR	101.82
3 x 1½"	3X112COFR	113.76
3 x 1¼"	3X114COFR	113.58
4 x 3"	4X3COFR	212.05
4 x 2"	4X2COFR	231.88
4 x 2½"	4X212COFR	255.11
5 x 4"	5X4COFR	1152.58
6 x 4"	6X4COFR	1833.92
6 x 3"	6X3COFR	1833.92



Coupling

Copper to Copper Less Stop

SIZE	STOCK NO	EACH
½"	12COSC	2.57
¾"	34COSC	5.33
1"	1COSC	11.22
1¼"	114COSC	16.43
1½"	112COSC	22.18
2"	2COSC	38.26
2½"	212COSC	47.34
3"	3COSC	83.88
4"	4COSC	158.03



Union

Copper to Copper

SIZE	STOCK NO	EACH
¼"	14COU	43.80
½"	12COU	27.84
¾"	34COU	34.33
1"	1COU	58.88
1¼"	114COU	165.06
1½"	112COU	217.15
2"	2COU	368.75
2½"	212COU	808.07
3"	3COU	2090.67



Union

Copper to Male IPS

SIZE	STOCK NO	EACH
½"	12COMU	84.49
¾"	34COMU	115.17
1"	1COMU	284.04



Union

Copper to Female IPS

SIZE	STOCK NO	EACH
½"	12COFU	97.42
¾"	34COFU	132.40
1"	1COFU	275.63



Flush Bushing

SIZE	STOCK NO	EACH
Fitting to Copper		
¼ x ⅛"	14X18COFB	4.18
⅜ x ¼"	38X14COFB	4.77
½ x ⅜"	12X38COFB	6.04
½ x ¼"	12X14COFB	5.95
¾ x ½"	34X12COFB	9.70
¾ x ⅜"	34X38COFB	12.72
1 x ¾"	1X34COFB	17.16
1 x ½"	1X12COFB	16.71
1¼ x 1"	114X1COFB	18.58
1¼ x ¾"	114X34COFB	22.70
1½ x 1¼"	112X114COFB	27.71
1½ x 1"	112X1COFB	29.77
2 x 1½"	2X112COFB	70.04
Fitting to Female		
½ x ⅛"	12X18COFFB	21.09
½ x ¼"	12X14COFFB	19.00

Copper Solder Fittings (07)

camlee.com



Male Adapter

Copper to Male IPS

SIZE	STOCK NO	EACH
Straight		
1/8"	18COMA	38.46
1/4"	14COMA	25.26
3/8"	38COMA	14.56
1/2"	12COMA	5.41
3/4"	34COMA	9.07
1"	1COMA	23.18
1 1/4"	114COMA	33.30
1 1/2"	112COMA	39.04
2"	2COMA	66.06
2 1/2"	212COMA	230.96
3"	3COMA	287.52
4"	4COMA	389.86
Reducing		
1/4 x 3/8"	14X38COMA	35.14
3/8 x 3/4"	38X34COMA	19.23
3/8 x 1/2"	38X12COMA	17.64
3/8 x 1/4"	38X14COMA	33.56
1/2 x 1"	12X1COMA	40.49
1/2 x 3/4"	12X34COMA	15.62
1/2 x 3/8"	12X38COMA	13.65
1/2 x 1/4"	12X14COMA	16.46
3/4 x 1"	34X1COMA	34.33
3/4 x 1/2"	34X12COMA	15.61
1 x 1 1/4"	1X114COMA	49.88
1 x 3/4"	1X34COMA	34.33
1 x 1/2"	1X12COMA	42.81
1 1/4 x 1 1/2"	114X112COMA	79.26
1 1/4 x 1"	114X1COMA	50.71
1 1/2 x 1 1/4"	112X114COMA	78.95
1 1/2 x 1"	112X1COMA	108.57
2 x 1 1/2"	2X112COMA	152.87



Female Adapter

Copper to Female IPS

SIZE	STOCK NO	EACH
Straight		
1/8"	18COFA	18.80
1/4"	14COFA	16.15
3/8"	38COFA	16.90
1/2"	12COFA	8.59
3/4"	34COFA	11.78
1"	1COFA	26.91
1 1/4"	114COFA	39.04
1 1/2"	112COFA	61.00
2"	2COFA	82.90
2 1/2"	212COFA	275.64
3"	3COFA	392.13
Reducing		
1/4 x 3/8"	14X38COFA	17.85
3/8 x 1/2"	38X12COFA	20.07
3/8 x 1/4"	38X14COFA	14.30
1/2 x 3/4"	12X34COFA	18.39
1/2 x 3/8"	12X38COFA	13.23
1/2 x 1/4"	12X14COFA	13.23
3/4 x 1"	34X1COFA	39.39
3/4 x 1/2"	34X12COFA	18.38
1 x 1 1/4"	1X114COFA	70.05
1 x 3/4"	1X34COFA	39.39
1 x 1/2"	1X12COFA	49.31
1 1/4 x 1 1/2"	114X112COFA	83.30
1 1/4 x 1"	114X1COFA	82.44



Fitting Adapter

Fitting to Male IPS

SIZE	STOCK NO	EACH
3/8"	38COMFA	25.07
1/2"	12COMFA	23.61
3/4"	34COMFA	30.41
1"	1COMFA	38.64
1 1/4"	114COMFA	118.20
1 1/2"	112COMFA	143.51
2"	2COMFA	231.79



Fitting Adapter

Fitting to Female IPS

SIZE	STOCK NO	EACH
Straight		
3/8"	38COFFA	25.07
1/2"	12COFFA	16.93
3/4"	34COFFA	21.83
1"	1COFFA	39.04
1 1/4"	114COFFA	62.43
1 1/2"	112COFFA	82.01
2"	2COFFA	108.98
Reducing		
1/2 x 3/8"	12X38COFFA	22.84
3/4 x 1/2"	34X12COFFA	51.51



Tube End Cap

SIZE	STOCK NO	EACH
1/4"	14COCAP	2.19
3/8"	38COCAP	4.06
1/2"	12COCAP	1.89
3/4"	34COCAP	3.52
1"	1COCAP	8.22
1 1/4"	114COCAP	10.88
1 1/2"	112COCAP	15.91
2"	2COCAP	29.34
2 1/2"	212COCAP	85.49
3"	3COCAP	109.99
4"	4COCAP	201.06



(02)

No. 613 Preformed Tub Ell Fitting

Copper

SIZE	STOCK NO	EACH
1/2" x 8 x 7"	SC61387	9.87
1/2" x 13 x 7"	SC613137	14.24



Drain Coupling

Copper to Copper

SIZE	STOCK NO	EACH
1/2"	12CODC	37.16
3/4"	34CODC	43.38



90° Elbow with Drain

E-200D, Copper to Copper

SIZE	STOCK NO	EACH
3/4"	34COLDR	49.90



Baseboard Tee

Copper 1/8" Female to Copper

SIZE	STOCK NO	EACH
1/2 x 1/2"	12X18X12COBBT	40.63
3/4 x 3/4"	34X18X34COBBT	39.21
1 x 1"	1X18X1COBBT	73.87

ACR Fittings (07)

Cleaned & Bagged



90° Straight Elbow

Copper to Copper

SIZE	STOCK NO	EACH
1/2"	12COLCB	3.87
3/4"	34COLCB	8.54
1"	1COLCB	20.93



45° Straight Elbow

Copper to Copper

SIZE	STOCK NO	EACH
1/2"	12CO45LCB	6.97
3/4"	34CO45LCB	11.84
1"	1CO45LCB	29.73



Straight Tee

Copper All Ways

SIZE	STOCK NO	EACH
1/2"	12COTCB	6.51
3/4"	34COTCB	15.66
3/4" x 1/2"	34X12COTCB	14.92
1"	1COTCB	46.97



Straight Coupling

Copper to Copper with Stop

SIZE	STOCK NO	EACH
1/2"	12COCCB	2.91
3/4"	34COCCB	5.79
1"	1COCCB	11.47
Reducing Coupling		
3/4" x 1/2"	34X12CORCB	10.17

316 Stainless ProPress Fittings (47S)

viega.net

Stainless Steel Pipe

SIZE	STOCK NO	EACH
Type 316		
½" x 20'	12X20SSP316	257.47
¾" x 20'	34X20SSP316	324.72
1" x 20'	1X20SSP316	403.50
1½" x 20'	112X20SSP316	576.57
2" x 20'	2X20SSP316	739.91
3" x 20'	3X20SSP316	1144.68
4" x 20'	4X20SSP316	1509.62
Type ECO		
1" x 20'	1X20SSPECO	186.53
2" x 20'	2X20SSPECO	340.61



90° Elbows

P x P - Model 4016

SIZE	STOCK NO	EACH
½"	12SS316PL	111.48
¾"	34SS316PL	121.00
1"	1SS316PL	136.80
1½"	112SS316PL	243.66
2"	2SS316PL	311.96



45° Elbows

P x P - Model 4026

SIZE	STOCK NO	EACH
½"	12SS316P45L	111.48
¾"	34SS316P45L	121.00
1"	1SS316P45L	136.81
1½"	112SS316P45L	238.50
2"	2SS316P45L	299.98



Tees

P x P x P - Model 4018

SIZE	STOCK NO	EACH
½"	12SS316PT	255.30
¾"	34SS316PT	262.63
1"	1SS316PT	303.91
1½"	112SS316PT	374.26
2"	2SS316PT	462.16



Press Ball Valve

SIZE	STOCK NO	EACH
½"	12SSP316BV	174.16
¾"	34SSP316BV	202.46
1"	1SSP316BV	253.53
1¼"	114SSP316BV	477.01
1½"	112SSP316BV	454.38
2"	2SSP316BV	864.36



Male Adapters

P x MPT - Model 4011

SIZE	STOCK NO	EACH
½"	12SS316PMA	95.97
¾"	34SS316PMA	101.45
1"	1SS316PMA	119.31
1½"	112SS316PMA	221.83
2"	2SS316PMA	278.26



Female Adapters

P x FTP - Model 4012

SIZE	STOCK NO	EACH
½"	12SS316PFA	128.28
¾"	34SS316PFA	139.59
1"	1SS316PFA	163.04
1½"	112SS316PFA	328.31
2"	2SS316PFA	329.82



Caps

P - Model 4056

SIZE	STOCK NO	EACH
½"	12SS316PCAP	83.71
¾"	34SS316PCAP	109.26
1"	1SS316PCAP	138.02
1½"	112SS316PCAP	241.79
2"	2SS316PCAP	285.81



Reducers

FTG x P - Model 4015.1

SIZE	STOCK NO	EACH
¾" x ½"	34X12SS316PFR	183.71
1" x ¾"	1X34SS316PFR	190.55
1½" x 1"	112X1SS316PFR	184.71
2" x 1½"	2X112SS316PFR	210.59



Unions

P x P - Model 4060

SIZE	STOCK NO	EACH
½"	12SS316PU	316.66
¾"	34SS316PU	364.72
1"	1SS316PU	446.20
1½"	112SS316PU	745.31
2"	2SS316PU	920.75



Couplings

P x P - Model 4015

SIZE	STOCK NO	EACH
½"	12SS316PC	54.12
¾"	34SS316PC	61.24
1"	1SS316PC	68.46
1½"	112SS316PC	95.53
2"	2SS316PC	125.97



Repair Couplings

P x P - Model 4015.5

SIZE	STOCK NO	EACH
½"	12SS316PRC	55.82
¾"	34SS316PRC	60.32
1"	1SS316PRC	69.38
1½"	112SS316PRC	94.08
2"	2SS316PRC	123.44



90° Bend
Copper to Copper

SIZE	STOCK NO	EACH
1¼"	114CODL	31.89
1½"	112CODL	42.36
2"	2CODL	67.70
3"	3CODL	163.79



90° Bend
Copper to Fitting

SIZE	STOCK NO	EACH
1½"	112CODSL	46.23
2"	2CODSL	85.83

Long Turn 90° Bend
Copper to Copper

SIZE	STOCK NO	EACH
1½"	112CODLRL	72.47
2"	2CODLRL	102.72



45° Bend
Copper to Copper

SIZE	STOCK NO	EACH
1¼"	114COD45L	26.04
1½"	112COD45L	24.29
2"	2COD45L	49.52
3"	3COD45L	111.34



45° Bend
Copper to Fitting

SIZE	STOCK NO	EACH
1¼"	114CODS45L	40.09
1½"	112CODS45L	30.16
2"	2CODS45L	61.48



22½° Bend
Copper to Copper

SIZE	STOCK NO	EACH
2"	2COD22L	99.39



Sanitary Tee
Copper All Ways

SIZE	STOCK NO	EACH
1¼ x 1¼ x 1¼"	114CODST	55.88
1½ x 1½ x 1½"	112CODST	69.54
2 x 2 x 2"	2CODST	95.30
3 x 3 x 3"	3CODST	400.52
2 x 2 x 1½"	2X112CODST	93.81



Double Sanitary Tee
Copper All Ways

SIZE	STOCK NO	EACH
1½ x 1½ x 1½ x 1½"	112CODSX	224.42
2 x 2 x 2 x 2"	2CODSX	358.86



Sanitary Tee
Copper to Copper to F.P.T.

SIZE	STOCK NO	EACH
1½ x 1½ x 1½"	112CODFT	359.71



Test Tee with Plug
Copper to Copper

SIZE	STOCK NO	EACH
1½"	112CODTT	264.65
2"	2CODTT	297.51



45° Wye Branch
Copper All Ways

SIZE	STOCK NO	EACH
1¼"	114CODY	137.80
1½"	112CODY	179.98
2"	2CODY	189.97
2 x 2 x 1½"	2X112CODY	191.65
3 x 3 x 2"	3X2CODY	395.78

Long Turn T-Y
Copper All Ways

SIZE	STOCK NO	EACH
1½ x 1½ x 1½"	112CODLTY	169.88



Drainage Plug

SIZE	STOCK NO	EACH
1½"	112CODP	42.52
2"	2CODP	60.23



"P" Trap
With Cleanout
Copper to Copper

SIZE	STOCK NO	EACH
1½"	112CODPT	311.25



Straight Coupling
Copper to Copper

SIZE	STOCK NO	EACH
1¼"	114CODC	13.27
1½"	112CODC	16.44
2"	2CODC	22.85
3"	3CODC	52.95
Reducing Coupling		
2 x 1½"	2X112CODC	30.84



Fitting Reducer
Fitting to Copper

SIZE	STOCK NO	EACH
1½ x 1¼"	112X114CODB	24.99
2 x 1½"	2X112CODB	27.25



Slip-Joint Coupling
Copper to Slip Joint

SIZE	STOCK NO	EACH
1¼"	114CODFTA	47.71
1½"	112CODFTA	52.32
1½ x 1¼"	112X114FTA	71.86



Male Adapter
Copper to Male IPS

SIZE	STOCK NO	EACH
1¼"	114CODMA	43.93
1½"	112CODMA	60.07
2"	2CODMA	71.40



Female Adapter
Copper to Female IPS

SIZE	STOCK NO	EACH
1½"	112CODFA	37.13
2"	2CODFA	69.31



Fitting Adapter
Fitting to Female IPS

SIZE	STOCK NO	EACH
1½"	112CODFFA	130.27
2"	2CODFFA	177.91



Fitting Cleanout
With Plug

SIZE	STOCK NO	EACH
1½"	112CODCO	202.64
2"	2CODCO	220.38

Soldering Accessories

rothenberger-usa.com millrose.com oatey.com



(18)
Sand Cloth
High grade emergy cloth. 1½" wide

SIZE	STOCK NO	EACH
10 yard	10YDSACL	7.64
25 yard	25YDSACL	17.37
Open Mesh		
5 yard	5YDSACL	10.41



(40)
Fitting Brushes
High carbon

SIZE	STOCK NO	EACH
¼"	14MIFIBR	3.67
⅜"	38MIFIBR	3.30
½"	12MIFIBR	4.81
¾"	34MIFIBR	5.08
1"	1MIFIBR	5.36
1¼"	114MIFIBR	5.88
1½"	112MIFIBR	6.42
2"	2MIFIBR	7.34
2½"	212MIFIBR	8.50
3"	3MIFIBR	11.98
4"	4MIFIBR	15.53



(40)
Outside Tube Cleaning Brushes
Tough molded plastic holder with comfortable sure grip design and high carbon steel bristles.

I.D.	STOCK NO	EACH
½"	12TUBR	6.61
¾"	34TUBR	7.44
1"	1TUBR	8.15



(18)
Copper Cleaning Pads
Nylon impregnated pad, fine grit, red.
10 per bag • No. 750-46

SIZE	STOCK NO	EACH
4"x6"x¼"	SC75046	12.88

Rothenberger (40)

Sure Fire 3 Torch Tip
No. 35431

STOCK NO	EACH
ROSFTT	111.55



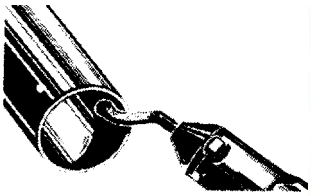
Hot Air Burner Tip
No. 35458

STOCK NO	EACH
ROHABT	205.12



Flameguard Heat Reflector
No. 31043

STOCK NO	EACH
ROFLDEFL	80.38





(40)
Deburring Tool
Removes rough or irregular ID edges on plastic, ferrous and non-ferrous metals. Clips on shirt pocket like pen.

STOCK NO	EACH
MIDBT	15.82
Deburring Tool Replacement Blades (Bag of 5)	
MIDBTBL	17.95



(02)
50/50 Tin-Lead Wire Solder
Low melt range makes them ideal for joining most metals by convenient heating methods. General-purpose solder for plumbing and sheet metal work.

SIZE	STOCK NO	EACH
1 lb. Spool	LB5050SO	37.88



(02)
95/5 Lead-Free Tin-Antimony Solder
Low melt range makes them ideal for joining most metals by convenient heating methods. For sealing precoated containers, coating and joining metals.

SIZE	STOCK NO	EACH
1 lb. Spool	LB955SO	55.71

(02)
Lead Free Solder

SIZE	STOCK NO	EACH
1 lb. Spool	LBLEFRSO	67.35

(18)
Canfield Watersafe Solder

SIZE	STOCK NO	EACH
1 lb. Spool	LBWASSO	78.37



(02)
#111 Bar Solder
General-purpose solder for plumbing and sheet metal work.

SIZE	STOCK NO	EACH
50/50	5050BARSO	18.94



(18)
Sta-Brite® Low Temp Solder
Low temperature solder with 4% silver for all metals except aluminum. Used in AC/R joints, NSF accepted. ⅛" diameter, 1 pound roll. Solidus 430°F., Liquidus 535°F.

SIZE	STOCK NO	EACH
1 lb. Spool	862525402	165.93

Adjusted Pressure Ratings

Joint Made of Copper Tube and Solder End Valves Extracted from MSS SP-80

Water, Non-Corrosive Liquids and Gases					
		Valve Sizes			Saturated
¼ thru 4" Solder Used	Service Temp °F	¼ thru 1'	1¼ thru 2"	2½ thru 4"	Steam P.S.I.G.
50-50 Tin Lead (ASTM B-32, Alloy Grade 50-A)	100°	200	175	150	---
	150°	150	125	100	---
	200°	100	90	75	---
	250°	85	75	50	*15
95-5 Tin Antimony	100°	500	400	300	---
	150°	400	350	275	---
	200°	300	250	200	---
	250°	200	175	150	*15
Taramet Sterling	100°	800	600	400	---
	150°	600	450	325	---
	200°	400	375	175	---
	250°	300	200	150	---

* This pressure is determined by the temperature of saturated steam at the maximum temperature shown.



(40)

Tin Handle Acid Brush

SIZE	STOCK NO	EACH
3/8"	SC771	.28

(02)

Sterling® Water Soluble Lead-Free Flux



Designed specifically to work with Taramet Sterling Lead-Free Solder.
Meets ASTM B813 requirements.

SIZE	STOCK NO	EACH
1 lb.	LBWSFL	15.53

Nokorode Paste Flux



Works with most solders, including 95/5 antimony and 97/3 silver. A non-aggressive formula when used to sweat copper and brass fittings.

SIZE	STOCK NO	EACH
1.7 oz.	17OZNOKO	4.55
1 lb.	LBNOKO	25.18

Regular Flux Paste



Lead-free, Non-toxic.
Super detergent action cleans as it solders. For use on copper, galvanized iron, sheet lead, zinc, nickel, tin, silver, mild steel, terne plate, malleable iron.

SIZE	STOCK NO	EACH
4 oz.	4OZLAFL	10.91

(40)

Kibosh™ Emergency Pipe Repair



- Up to 87 psi.
- Reusable and NO tools required.
- Can be used on both metal & hard plastic pipe.
- Can stay safely installed for up to ONE week.

SIZE	STOCK NO	EACH
1/2"	RO12KIBOSH	66.14
3/4"	RO34KIBOSH	70.56

#95 Tinning Flux



Solves the fluxing and soldering problems in areas where lead solders are not permitted. Insures the proper solder flow for all pipe sizes. Will not discolor copper or other metal.

SIZE	STOCK NO	EACH
8 oz.	8OZPAFL	17.22

No.5 Paste Flux

SIZE	STOCK NO	EACH
8 oz.	OA5PF	9.98

Sil-Can White Cream Flux

A general purpose, homogenized brazing flux for use with silver brazing alloys when required. Fully active between 1100°F and 1600°F, making it suitable for 95% of all brazing jobs. For both torch and induction heating.

SIZE	STOCK NO	EACH
1 Lb.	LBCRFL	16.35



(40)

Flame Blanket

Flame blanket protects wood and other flammables from heat in tight places. It's high-temp fibres withstand heat up to 2300° F. with minimum smoke and odor.
10" x 12" with grommets.

STOCK NO	EACH
AT2475	25.73



(40)

Plumbers Hot Dam

A specially formulated compound that completely blocks even excessive heat from being transferred down the pipe and onto surrounding surfaces. Simply mold around the section of pipe where you want the heat to stop. Conforms to any shape for precise application. Allows soldering of connections that lead into existing walls without worrying about heat buildup and potential hazards. Stores in a handy 3/4lb. container & can be used again and again. Works equally well with MAPP gas, propane, arc or oxyacetylene welding on ferrous and non-ferrous surfaces. No residue.

SIZE	STOCK NO	EACH
3/4 lb.	AT9000	33.35

Sil-Can 0

Extremely fluid, economical alloy for close fitting joints with clearances from .001 to .003. It is self-fluxing on copper and contains no silver. Brazing temperatures 1350°F to 1550°F.
Conforms to ASTM BCuP-2

SIZE	STOCK NO	EACH
Lb.	LBSICA0	36.62
Stick	STSICA0	2.20

Sil-Can 05

More economical than SIL-CAN 15 contains 5% silver. Brazing temperature is 1300°F
Conforms to ASTM BCuP-3

SIZE	STOCK NO	EACH
1 lb	LBSICA05	153.77

Sil-Can 15

Ideal on air conditioners, radiators, electrical connections, etc. Contains 15% silver. Brazing temperature is 1300°F.
Conforms to ASTM BCuP-5
Copper alloys such as brass and bronze need SIL-CAN WHITE CREAM BRAZING FLUX.

SIZE	STOCK NO	EACH
Lb.	LBSICA15	388.73
Stick	STSICA15	23.32

(40)

Pipe Plug (Plumbers' Bread)



Set of rubber pipe plugs to stop flow of water so repairs can be made quickly & easily.
Kit # 5000 Includes:
1 ea. 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2" plugs. Short rod for 1/2" plug. Long rod for 3/4 - 2 1/2".Tightening handle. Storage tube. Easy to follow instructions.
Hot Dam # 9000 is recommended to protect rubber plugs from heat damage.

KIT	STOCK NO	EACH
5000	AT5000	213.77

(40)

Flexible Pipe Kit

WASSI Plugging Kit

SIZE	STOCK NO	EACH
1/2" - 2"	AT5221	148.05

Laco Cool Gel Heat Dissipating Spray



Helps prevent heat damage surrounding materials during soldering blazing and welding. Sticks to surfaces without running and leaves no residue.

SIZE	STOCK NO	EACH
Quart	QTCOGEL	43.48

pace-asp.com

SharkBite Fittings (18)

sharkbite.com

90° Elbows

Shark Bite



SIZE	STOCK NO	EACH
½"	12SBL	13.23
¾"	34SBL	16.54
1"	1SBL	30.71
1¼"	114SBL	43.00
1½"	112SBL	62.37
2"	2SBL	81.27

90° Elbows



SIZE	STOCK NO	EACH
Female NPT		
½" x ½" NPT	12SBFL	13.23
Male NPT		
½" x ½" NPT	12SBML	13.23

Reducing Elbow



SIZE	STOCK NO	EACH
¾" x ½"	3412SBL	16.54

Drop Ear Elbow

Female NPT



SIZE	STOCK NO	EACH
½" x ½" NPT	12SBDREAL	13.23

45° Elbow



SIZE	STOCK NO	EACH
1¼"	114SB45L	43.00
1½"	112SB45L	62.37
2"	2SB45L	81.27

Tee



SIZE	STOCK NO	EACH
½"	12SBT	18.43
¾"	34SBT	21.74
1"	1SBT	40.64
1¼"	114SBT	75.60
1½"	112SBT	102.06
2"	2SBT	136.08

Reducing Tee



SIZE	STOCK NO	EACH
¾ x ½ x ½"	341212SBT	21.74
¾ x ¾ x ½"	343412SBT	21.74

Coupling



SIZE	STOCK NO	EACH
½"	12SBC	11.81
¾"	34SBC	16.07
1"	1SBC	26.93
1¼"	114SBC	38.27
1½"	112SBC	51.03
2"	2SBC	68.04

Reducing Coupling

SIZE	STOCK NO	EACH
⅜ x ½"	3812SBC	11.81
¾ x ½"	3412SBC	14.18
1 x ¾"	134SBC	26.93

Slip Coupling



SIZE	STOCK NO	EACH
½"	12SBSC	20.32
¾"	34SBSC	24.10

Male Adapter



SIZE	STOCK NO	EACH
½"	12SBMA	9.92
¾"	34SBMA	11.34
1"	1SBMA	22.68
1¼"	114SBMA	34.02
1½"	112SBMA	46.31
2"	2SBMA	62.37

Male Reducing Connector

NPT

SIZE	STOCK NO	EACH
½ x ¾"	1234SBMC	11.34

Female Adapter



SIZE	STOCK NO	EACH
½"	12SBFA	9.92
¾"	34SBFA	11.34
1"	1SBFA	20.79
1¼"	114SBFA	32.13
1½"	112SBFA	46.31
2"	2SBFA	62.37
Reducing		
½ x ¾"	1234SBFA	11.34

Cap



SIZE	STOCK NO	EACH
½"	12SBCAP	10.87
¾"	34SBCAP	12.76
1"	1SBCAP	24.10
1¼"	114SBCAP	34.02
1½"	112SBCAP	46.31
2"	2SBCAP	62.37

Ball Valve



SIZE	STOCK NO	EACH
½"	12SBBA	30.24
¾"	34SBBA	37.80
1"	1SBBA	51.98
1¼"	114SBBA	93.56
1½"	112SBBA	177.66
2"	2SBBA	217.35

Check Valve



SIZE	STOCK NO	EACH
½"	12SBCHVA	28.35
¾"	34SBCHVA	33.08

Contractor Kit



The SharkBite Contractor Kit is a great toolkit with an arrangement of popular SharkBite fittings and accessories.

MODEL	STOCK NO	EACH
22486LF	SBCOKIT	354.38

Disconnect Clips

Shark Bite



SIZE	STOCK NO	EACH
½"	12SBCLIP	2.79
¾"	34SBCLIP	2.79
1"	1SBCLIP	2.79
1¼"	114SBCLIP	9.26
1½"	112SBCLIP	13.70
2"	2SBCLIP	17.96

SharkBite Push-Fit Flexible Hoses



SIZE	STOCK NO	EACH
24" Water Softener Hose		
¾" x 1"FIP	34124SBWSC	31.19
18" Coupling Hose		
¾" x ¾"	3418SBWHC	28.82
18" Water Heater Connectors with Ball Valve		
½"SB x ¾"FIP	123418SBWHCBV	52.92
¾"SB x ¾"FIP	3418SBWHCBV	60.48

Speedfit® 90° Elbow



Twist & Lock

SIZE	STOCK NO	EACH
½"	12SFL	7.97
¾"	34SFL	12.00
1"	1SFL	20.14

Speedfit® Straight Tee



Twist & Lock

SIZE	STOCK NO	EACH
½"	12SFT	8.17
¾"	34SFT	13.63
1"	1SFT	25.59

Speedfit® Coupling



Twist & Lock

SIZE	STOCK NO	EACH
½"	12SFC	6.96
¾"	34SFC	9.17
1"	1SFC	17.77

Speedfit® Cap



Twist & Lock

SIZE	STOCK NO	EACH
½"	12SFCAP	5.69
¾"	34SFCAP	7.19
1"	1SFCAP	11.54

Speedfit® Male Adapter

Twist & Lock

SIZE	STOCK NO	EACH
¾"	34SFMA	8.80
1"	1SFMA	14.36

See page 524
Water Filtration Products for smaller Speedfit sizes

ProPress System

Ridgid Tools (40)

ridgid.com



ProPress RP 350 Cordless Crimp Tool Kit

- Includes jaws for ½" to 2"
- Fits jaws up to 4"
- Copper & Stainless Steel
- 360° head swivel
- 18V Battery and Carrying Case

Not included: ½" to 2" PEX (with additional jaws)
½" to 4" for carbon steel (with Press Booster)

STOCK NO	EACH
PP67053	6629.70



(40)

18V Lithium Ion Batteries

DESCRIPTION	STOCK NO	EACH
2.5 Ah	RI56513	313.38
5.0 Ah	RI56518	418.81

Link APP



ProPress RP 240 Battery Crimp Tool Kit

15% Smaller and 10% lighter, with pistol grip.
Includes Crimp Tool with ½" - 1¼" Jaw Set,
(2) 12V Batteries, Charger, and Carrying Case.

JAW SIZES	STOCK NO	EACH
½ - 1¼"	PP57398	4018.48



ProPress Compact Jaws

SIZE	STOCK NO	EACH
½"	PP16958	293.64
¾"	PP16963	293.64
1"	PP16978	293.64
1¼"	PP31228	302.06



ProPress Crimping Rings

3-Ring Kit with 2½, 3 & 4" Crimp Rings,
Ring Acuator and Carrying Case.
FOR XL-C FITTINGS ONLY!

STOCK NO	EACH
PP20483	5531.99

Rental

PP20483RU	Call for Pricing



(40)

ProPress Jaws

For ProPress ONLY!

SIZE	STOCK NO	EACH
½"	PP76652	402.69
¾"	PP76657	402.69
1"	PP76662	402.69
1¼"	PP76667	402.69
1½"	PP76672	469.89
2"	PP76677	537.06

Milwaukee Tools (40)

milwaukeetools.com



ONE-KEY APP

M18™ FORCE LOGIC™ Press Tool Kit with ONE-KEY™

2922-22 Kit Includes:

- 2922-20 Force Logic Press Tool
- (2) M18™ REDLITHIUM™ CP2.0 Batteries
- Charger & Carrying Case
- ½", ¾", 1", 1¼", 1½" & 2" Copper Press Jaws

STOCK NO	EACH
MIOKPRESSTO	5997.78
MIOKPRESSTONJ (NO JAWS)	4290.84



IPS-P Press Jaw Kit For M18™ FORCE LOGIC™

49-16-2696 Kit Includes:

- ½" IPS-P Press Jaw
- ¾" IPS-P Press Jaw
- 1" IPS-P Press Jaw

STOCK NO	EACH
MIMPSMJAWKIT	1676.27

For PEX Jaws and M18™ Short Throw Press Tool Kit See Page 1215



M12™ FORCE LOGIC™ Press Tool Kit

2473-22 Kit Includes:

- 2473-20 Press Tool
- (2) 12v REDLITHIUM Batteries
- Charger & Carrying Case
- ½", ¾" & 1" Copper Press Jaws

STOCK NO	EACH
MIPRESSCOTO	3539.16
MIPRESSCOTONJ (NO JAWS)	2787.48



M12™ FORCE LOGIC™ Press Jaw

49-16-2453

SIZE	STOCK NO	EACH
1¼"	MI114COJA	343.33

See page 1907 for REDLITHIUM Batteries and additional Milwaukee Tools



CTS-V Pivoting Press Rings Kit

49-16-2490X

RING CAPACITY	STOCK NO	EACH
½" - 1¼"	MICOJAKIT	3695.87
½" - 2"	MIM18PCOJAWKIT	6159.78
2½" - 4"	MIXLRINGS	5324.40

See page 1004 for Milwaukee Tools Black Iron Press Jaws



90° Elbow
Copper to Copper

SIZE	STOCK NO	EACH
Copper Elbow		
½"	PP77317	5.28
¾"	PP77022	8.51
1"	PP77027	16.97
1¼"	PP77032	33.26
1½"	PP77037	62.21
2"	PP77042	87.33
XL-C Copper Elbow		
2½"	PP20623	239.72
3"	PP20628	301.60
4"	PP20633	373.11



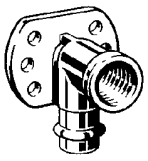
Reducing 90° Elbow
Copper to Copper

SIZE	STOCK NO	EACH
¾ x ½"	PP77325	12.78
1 x ¾"	PP77330	29.46



90° Elbow
Fitting to Copper

SIZE	STOCK NO	EACH
Copper Elbow		
½"	PP77347	5.12
¾"	PP77052	8.86
1"	PP77057	20.24
1¼"	PP77062	36.21
1½"	PP77067	65.81
2"	PP77072	91.44
XL-C Copper Elbow		
2½"	PP20638	268.46
3"	PP20643	312.17
4"	PP20648	397.52



90° Drop Elbow
Copper to Fitting with Wall Plate

SIZE	STOCK NO	EACH
Bronze Drop Elbow		
½ x ½"	PP79190	26.06
¾ x ¾"	PP79195	54.11



90° Elbow
Copper by Female NPT

SIZE	STOCK NO	EACH
Bronze Elbow		
½ x ½"	PP79525	18.75
¾ x ½"	PP79535	47.17
¾ x ¾"	PP79540	POA*
2" x 2"	PP79570	169.10

***Price on Application**



45° Elbow
Copper to Copper

SIZE	STOCK NO	EACH
Copper Elbow		
½"	PP77607	6.39
¾"	PP77023	7.49
1"	PP77028	23.81
1¼"	PP77033	33.20
1½"	PP77038	53.23
2"	PP77043	73.82
XL-C Copper Elbow		
2½"	PP20653	161.43
3"	PP20658	226.25
4"	PP20663	320.23



45° Elbow
Fitting to Copper

SIZE	STOCK NO	EACH
Copper Elbow		
½"	PP77637	5.04
¾"	PP77053	7.13
1"	PP77058	23.23
1¼"	PP77063	33.22
1½"	PP77068	50.25
2"	PP77073	75.26
XL-C Copper Elbow		
2½"	PP20668	196.92
3"	PP20673	284.84
4"	PP20678	359.84



Spring Check Valve
Copper to Copper

SIZE	STOCK NO	EACH
½"	PP79035	42.12
¾"	PP79040	53.88
1"	PP79045	62.10
1¼"	PP79050	88.98
1½"	PP79055	126.29
2"	PP79060	229.84

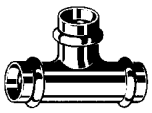


Di-electric Union
Bronze - Copper to Female NPT

SIZE	STOCK NO	EACH
½"	PP79155	81.43
¾"	PP79160	87.25
1"	PP79165	111.94
1¼"	PP79170	141.72
1½"	PP79175	164.89
2"	PP79180	231.36

Tee

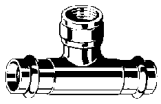
Copper to Copper to Copper



SIZE	STOCK NO	EACH
Copper Tee		
½"	PP77377	8.03
½ x ½ x ¾"	PP77382	28.71
¾"	PP77387	14.07
¾ x ½ x ½"	PP77392	22.50
¾ x ½ x ¾"	PP77397	24.26
¾ x ¾ x ½"	PP77402	12.29
¾ x ¾ x 1"	PP77407	46.49
1"	PP77412	25.76
1 x ½ x 1"	PP94767	44.58
1 x ¾ x ½"	PP77417	47.06
1 x ¾ x ¾"	PP77422	41.40
1 x ¾ x 1"	PP77427	46.75
1 x 1 x ½"	PP77432	30.02
1 x 1 x ¾"	PP77437	29.30
1 x 1 x 1¼"	PP15488	80.78
1¼"	PP77442	42.71
1¼ x 1 x ¾"	PP94762	44.29
1¼ x 1 x 1"	PP14568	48.59
1¼ x 1¼ x ½"	PP94757	37.17
1¼ x 1¼ x ¾"	PP77452	39.07
1¼ x 1¼ x 1"	PP77447	42.13
1½"	PP77457	81.27
1½ x 1 x ¾"	PP79660	108.86
1½ x 1 x 1"	PP15458	123.84
1½ x 1 x 1½"	PP15463	135.82
1½ x 1¼ x 1"	PP15453	110.38
1½ x 1¼ x 1¼"	PP15483	81.53
1½ x 1½ x ½"	PP15448	88.20
1½ x 1½ x ¾"	PP77462	72.21
1½ x 1½ x 1"	PP77467	74.93
1½ x 1½ x 1¼"	PP77472	80.45
2"	PP77477	100.41
2 x 1¼ x 1¼"	PP15518	181.36
2 x 1½ x ¾"	PP15513	155.52
2 x 1½ x 1"	PP15498	153.54
2 x 1½ x 1¼"	PP15508	158.57
2 x 1½ x 1½"	PP15503	160.77
2 x 2 x ½"	PP15538	138.97
2 x 2 x ¾"	PP94777	117.49
2 x 2 x 1"	PP94772	121.43
2 x 2 x 1½"	PP77482	93.04
2 x 2 x 1¼"	PP77487	123.74
XL-C Copper Tee		
2½"	PP20683	301.86
2½ x 2 x 1½"	PP22283	401.65
2½ x 2 x 2"	PP22278	352.86
2½ x 2½ x ½"	PP22303	377.82
2½ x 2½ x 1"	PP22293	413.01
2½ x 2½ x 1¼"	PP22288	420.97
2½ x 2½ x 1½"	PP20803	402.26
2½ x 2½ x 2"	PP20688	354.59
3"	PP20693	370.18
3 x 3 x ¾"	PP22323	430.69
3 x 3 x 1"	PP22308	443.62
3 x 3 x 1¼"	PP22313	443.62
3 x 3 x 1½"	PP20798	443.62
3 x 3 x 2"	PP20698	425.87
3 x 3 x 2½"	PP20703	469.84
4"	PP20708	529.38
4 x 4 x 1½"	PP20808	556.00
4 x 4 x 2"	PP20713	479.17
4 x 4 x 2½"	PP20718	456.57
4 x 4 x 3"	PP20723	500.49

Tee

Copper to Copper to NPT Fitting



SIZE	STOCK NO	EACH
Bronze Tee		
½ x ½ x ½"	PP79580	27.81
¾ x ¾ x ¼"	PP79585	38.64
¾ x ¾ x ½"	PP79590	37.72
¾ x ¾ x ¾"	PP79595	47.21
1 x 1 x ½"	PP79760	48.26
1 x 1 x ¾"	PP79765	57.04
1¼ x 1¼ x ½"	PP79770	66.42
1¼ x 1¼ x ¾"	PP79775	68.85
1½ x 1½ x ½"	PP79780	78.71
1½ x 1½ x ¾"	PP79785	114.35
2 x 2 x ½"	PP79790	95.84

Baseboard Tee

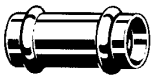
Copper to Fitting to Copper



SIZE	STOCK NO	EACH
½ x ⅛ x ½"	PP79635	37.64
¾ x ⅛ x ¾"	PP79640	40.99

Coupling

Copper to Copper



SIZE	STOCK NO	EACH
Copper Coupling with Stop		
½"	PP78047	4.75
¾"	PP78052	7.20
1"	PP78057	14.42
1¼"	PP78062	17.87
1½"	PP78067	32.58
2"	PP78072	41.57
XL-C Copper Coupling with Stop		
2½"	PP20728	118.30
3"	PP20733	150.62
4"	PP20738	213.14
Copper Coupling without Stop		
½"	PP78172	11.75
¾"	PP78177	15.43
1"	PP78182	19.60
1¼"	PP78187	29.30
1½"	PP78192	44.25
2"	PP78197	50.53
XL-C Copper Coupling without Stop		
2½"	PP20743	119.92
3"	PP20748	154.85
4"	PP20753	212.81

Bronze Insert Stiffener

For use with ¾" Finned Tube.



SIZE	STOCK NO	EACH
¾"	PP16423	3.56

Union

Copper to Copper



SIZE	STOCK NO	EACH
Bronze Union		
½"	PP79125	41.43
¾"	PP79130	51.31
1"	PP79135	83.52
1¼"	PP79140	116.76
1½"	PP79145	152.79
2"	PP79150	244.74

Reducer

Copper to Copper



SIZE	STOCK NO	EACH
Copper Reducer		
¾ x ½"	PP78147	21.74
1 x ½"	PP15603	40.08
1 x ¾"	PP78152	25.39
1¼ x ¾"	PP15593	56.97
1¼ x 1"	PP78157	36.79
1½ x ¾"	PP18473	68.08
1½ x 1"	PP15588	61.13
1½ x 1¼"	PP78162	54.12
2 x ¾"	PP18468	64.75
2 x 1"	PP15608	94.27
2 x 1¼"	PP22328	78.45
2 x 1½"	PP78167	60.93
XL-C Copper Reducer		
2½ x 1½"	PP20695	252.90
2½ x 2"	PP20700	240.88
3 x 1½"	PP20705	279.81
3 x 2"	PP20710	280.53
3 x 2½"	PP20715	328.89
4 x 2"	PP20720	348.88
4 x 2½"	PP20725	385.17
4 x 3"	PP20730	424.05

Reducer

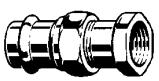
Fitting to Copper



SIZE	STOCK NO	EACH
Copper Reducer		
¾ x ½"	PP78077	5.59
1 x ½"	PP78082	14.45
1 x ¾"	PP78087	14.73
1¼ x ½"	PP22333	16.48
1¼ x ¾"	PP78092	17.08
1¼ x 1"	PP78097	19.22
1½ x ½"	PP79850	47.26
1½ x ¾"	PP14543	28.55
1½ x 1"	PP78102	28.19
1½ x 1¼"	PP78107	28.38
2 x ½"	PP79855	60.22
2 x ¾"	PP79860	59.72
2 x 1"	PP78112	31.97
2 x 1¼"	PP78117	39.11
2 x 1½"	PP78122	38.04
XL-C Copper Reducer		
2½ x 1½"	PP20813	176.70
2½ x 2"	PP20758	151.94
3 x 1½"	PP20818	193.29
3 x 2"	PP20763	188.12
3 x 2½"	PP20768	193.78
4 x 2"	PP20773	216.50
4 x 2½"	PP20778	236.53
4 x 3"	PP20783	249.98

Union

Copper by Female NPT



SIZE	STOCK NO	EACH
Bronze Union		
½ x ½"	PP79700	33.17
¾ x ¾"	PP79705	42.61
1 x 1"	PP79710	70.55
1¼ x 1¼"	PP79715	84.23
1½ x 1½"	PP79720	132.37
2 x 2"	PP79725	175.34

Union

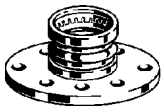
Copper by Male NPT



SIZE	STOCK NO	EACH
Bronze Union		
½ x ½"	PP79730	36.14
¾ x ¾"	PP79735	50.00
1 x 1"	PP79740	73.14
1¼ x 1¼"	PP79745	101.90
1½ x 1½"	PP79750	142.10
2 x 2"	PP79755	185.79

Adapter Flange

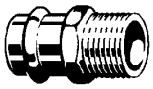
Copper by Flange



SIZE	STOCK NO	EACH
Bronze Adapter		
2"	PP79695	378.61
2½"	PP20853	366.63
3"	PP20858	444.35
4"	PP20863	497.12

Adapter

Copper by Male NPT



SIZE	STOCK NO	EACH
Bronze Adapter		
½ x ⅜"	PP79210	9.88
½ x ½"	PP79215	6.10
½ x ¾"	PP79220	12.76
¾ x ½"	PP79225	13.37
¾ x ¾"	PP79230	10.94
¾ x 1"	PP79235	30.43
1 x ¾"	PP79240	33.55
1 x 1"	PP79245	20.37
1 x 1¼"	PP79250	42.50
1¼ x 1"	PP79255	46.22
1¼ x 1¼"	PP79260	42.03
1¼ x 1½"	PP79265	49.34
1½ x 1¼"	PP79270	61.98
1½ x1½"	PP79275	58.90
2 x 2"	PP79290	113.33
XL-C Copper Adapter		
2½ x 2½"	PP20823	244.34
3 x 3"	PP20828	307.40
4 x 4"	PP20838	375.93

Adapter

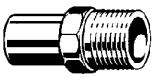
Copper by Female NPT



SIZE	STOCK NO	EACH
Bronze Adapter		
½ x ½"	PP79300	7.61
½ x ¾"	PP79305	16.09
¾ x ½"	PP79310	11.77
¾ x ¾"	PP79315	11.84
1 x ¾"	PP79325	42.17
1 x 1"	PP79330	22.64
1 x 1¼"	PP79335	43.42
1¼ x 1"	PP79345	50.44
1¼ x 1¼"	PP79350	49.98
1½ x1½"	PP79365	70.00
2 x 2"	PP79370	116.51
XL-C Copper Adapter		
2½ x 2½"	PP20819	275.82
3 x 3"	PP20829	451.70
4 x 4"	PP20839	582.03

Adapter

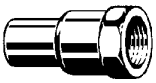
Fitting by Male NPT



SIZE	STOCK NO	EACH
Bronze Adapter		
½ x ½"	PP79380	22.13
¾ x ½"	PP79390	36.32
¾ x ¾"	PP79395	36.95
1 x 1"	PP79405	55.26
1¼ x 1¼"	PP79410	69.17
1½ x1½"	PP79415	103.18
2 x 2"	PP79420	151.83

Adapter

Fitting by Female NPT



SIZE	STOCK NO	EACH
Bronze Adapter		
½ x ½"	PP79430	24.23
¾ x ½"	PP79440	31.20
¾ x ¾"	PP79445	35.05
1 x 1"	PP79450	54.59
1¼ x 1¼"	PP79465	91.38
1½ x1½"	PP79470	101.90
2 x 2"	PP79475	172.58

Cross-Over

Copper to Copper



SIZE	STOCK NO	EACH
½"	PP77742	35.87
¾"	PP77747	44.58

Cap



SIZE	STOCK NO	EACH
Copper Cap		
½"	PP77712	10.08
¾"	PP77717	17.29
1"	PP77722	26.64
1¼"	PP77727	30.66
1½"	PP77732	47.52
2"	PP77737	57.74
XL-C Copper Cap		
2½"	PP20833	168.80
3"	PP20843	213.68
4"	PP20848	249.12

Sealing Elements

FKM Gaskets



SIZE	STOCK NO	EACH
½"	PP17768	2.52
¾"	PP17778	3.80
1"	PP17788	4.41

Apollo-Press Full Port Ball Valve



SIZE	STOCK NO	EACH
Press x Press • Lead Free Bronze		
½"	1277W103	50.23
¾"	3477W104	67.73
1"	177W105	86.36
1¼"	11477W106	158.52
1½"	11277W107	218.30
2"	277W108	314.91
Press x Press • Lead Free Bronze Stainless Steel Ball & Stem		
½"	1277WLF143	77.38
¾"	3477WLF144	116.02
1"	177WLF145	152.97
1¼"	11477WLF146	284.81
1½"	11277WLF147	349.83
2"	277WLF148	518.63
Press x Press • XL-C Full Port Ball Valve		
2½"	21277VLF109	976.13
3"	377VLF100	1271.24
4"	477VLF14A	1783.63

Apollo-Press Full Port Ball Valve



Press x Hose Cap & Chain • 300 CWP

SIZE	STOCK NO	EACH
½"	1277W103HCA	65.53
¾"	3477W104HCA	90.95

LEAD FREE

Viega ProPress Spring Check Valve



- For potable water installations
- Bronze
- Press connection
- Inline

SIZE	STOCK NO	EACH
½"	PP79035	42.12
¾"	PP79040	53.88
1"	PP79045	62.10
1¼"	PP79050	88.98
1½"	PP79055	126.29
2"	PP79060	229.84

LEAD FREE

Viega ProPress ball valve with Hose Connection



- For potable water installations
- Bronze
- Press connection, hose connection
- Full port

SIZE	STOCK NO	EACH
½"	PP79875	83.23
¾"	PP79876	84.73

Viega ProPress ball valve with Hose Connection



- For non-potable application
- Bronze, brass
- Press connection, hose connection
- Full port

SIZE	STOCK NO	EACH
½"	PP24090	52.16
¾"	PP24095	72.90

Milwaukee Ultra Pure™ Full Port Ball Press Valve



Press x Press

SIZE	STOCK NO	EACH
½"	12UPBA480B	56.08
¾"	34UPBA480B	82.19
1"	1UPBA480B	106.20
1¼"	114UPBA480B	200.38
1½"	112UPBA480B	282.51
2"	2UPBA480B	416.80
2½"	212UPBA480B	1064.24
3"	3UPBA480B	1398.73
4"	4UPBA480B	2072.40

(55)

Milwaukee Ultra Pure™ Press Check Valve



200 P.S.I. • Horizontal Swing

SIZE	STOCK NO	EACH
½"	12UP969	88.41
¾"	34UP969	120.83
1"	1UP969	167.99
1¼"	114UP969	327.14
1½"	112UP969	428.82
2"	2UP969	655.76

BA475B/BA480B/BA485B Accessories

SIZE	STOCK NO	EACH
Memory Stop		
¼ -½"	8662D940	4.94
¾ - 1"	8662F940	5.34
1¼ - 2"	8662J940	6.65
2½ - 3"	8662K940	6.65
XH Extension Stem		
¼ - ½"	EXTEN15XA	15.42
¾ - 1½"	EXTEN25XA	18.80
2"	EXTEN38XA	25.66
2½" - 3"	EXTEN50XA	49.55
Locking Handle		
¼ -½"	27995AMV	11.95
¾ - 1"	27996AMV	15.98
1¼ - 1½"	27997AMV	23.90
2"	27998AMV	31.43

Viega lockable stem extension



- For valve top
- Suitable for Viega ProPress ball valves
- Brass

SIZE	STOCK NO	EACH
½" - ¾"	PP23500	42.53
1" - 1 ¼"	PP23505	51.04
1 ½" - 2"	PP23510	68.05
2 ½" - 4"	PP78312	238.26

LEAD FREE

Cimberio Full Port Ball Valve



Press x Press

SIZE	STOCK NO	EACH
½"	C1220NL04	21.13
¾"	C1220NL06	26.74
1"	C1220NL07	36.37
1¼"	C1220NL08	65.51
1½"	C1220NL09	94.42
2"	C1220NL10	154.75
2½"	C1220NLC11	347.59
3"	C1220NLC12	453.95
4"	C1220NLC14	786.84

LEAD FREE

Series JP-110G 2 Piece, Stop & Waste, Full port Brass Ball Valves



Features:

- Dezincication resistant brass
- Gland follower and single o-ring stem design
- Blow-out proof stem
- Side Drain/Bleeder
- 100% leak tested
- IAMPO Certified, NSF 372, NSF 14

250 WOG • Max 250° F • Press Connections

SIZE	STOCK NO	EACH
½"	12JPBVD	28.71
¾"	34JPBVD	39.26
1"	1JPBVD	53.87

LEAD FREE

Viega ProPress ball valve



- For potable water installations
- Bronze
- Press connection
- Full port

SIZE	STOCK NO	EACH
Stainless Steel Ball & Stem		
½"	PP79923	71.98
¾"	PP79928	84.87
1"	PP79933	111.25
1 ¼"	PP79938	206.64
1 ½"	PP79943	325.93
2"	PP79948	470.06
Chrome-plated brass ball, lockable metal handle		
2 ½"	PP78300	671.14
3"	PP78305	818.46
4"	PP78310	1309.54

Refrigeration Press Fittings (47c)

conexbanninger.com

90° Elbows



Press to Press

Must order in bag quantities

SIZE	BAG QTY	STOCK NO	EACH FTG
1/4"	5	CO14COLCB	17.74
3/8"	5	CO38COLCB	25.87
1/2"	3	CO12COLCB	28.69
5/8"	3	CO58COLCB	29.54
3/4"	3	CO34COLCB	37.33
7/8"	3	CO78COLCB	34.87
1 1/8"	2	CO118COLCB	44.16
1 3/8"	1	CO138COLCB	67.53

90° Street Elbows



Press to Solder

Must order in bag quantities

SIZE	BAG QTY	STOCK NO	EACH FTG
3/8"	3	CO38COSLCB	35.79
1/2"	3	CO12COSLCB	36.54
5/8"	3	CO58COSLCB	40.78
3/4"	3	CO34COSLCB	42.93
7/8"	3	CO78COSLCB	46.93
1 1/8"	2	CO118COSLCB	51.69
1 3/8"	1	CO138COSLCB	78.41

45° Elbows



Press to Press

Must order in bag quantities

SIZE	BAG QTY	STOCK NO	EACH FTG
1/4"	3	CO14CO45LCB	31.21
3/8"	3	CO38CO45LCB	34.68
1/2"	3	CO12CO45LCB	38.49
5/8"	3	CO58CO45LCB	38.52
3/4"	3	CO34CO45LCB	42.30
7/8"	3	CO78CO45LCB	47.22
1 1/8"	2	CO118CO45LCB	59.18
1 3/8"	2	CO138CO45LCB	90.30

Refrigerant Flare



Press to Male flare connector

When possible make the flare connection prior to pressing the >B< MaxiPro Joint.

SAE Copper Flare - Brass Nut

Must order in bag quantities

SIZE	BAG QTY	STOCK NO	EACH FTG
1/4"	4	CO14COFLCB	16.82
3/8"	4	CO38COFLCB	20.98
1/2"	2	CO12COFLCB	25.76
5/8"	2	CO58COFLCB	28.92
3/4"	2	CO34COFLCB	40.45

Couplings



Press to Press

Must order in bag quantities

SIZE	BAG QTY	STOCK NO	EACH FTG
1/4"	5	CO14COCCB	8.41
3/8"	5	CO38COCCB	12.85
1/2"	5	CO12COCCB	16.12
5/8"	5	CO58COCCB	20.72
3/4"	2	CO34COCCB	23.68
7/8"	2	CO78COCCB	32.72
1 1/8"	2	CO118COCCB	37.33
1 3/8"	2	CO138COCCB	45.29

Caps



Press

Must order in bag quantities

SIZE	BAG QTY	STOCK NO	EACH FTG
1/4"	3	CO14COCAPCB	10.08
3/8"	3	CO38COCAPCB	14.80
1/2"	3	CO12COCAPCB	17.70
5/8"	2	CO58COCAPCB	19.59
3/4"	2	CO34COCAPCB	22.64
7/8"	2	CO78COCAPCB	24.69
1 1/8"	1	CO118COCAPCB	27.76
1 3/8"	1	CO138COCAPCB	41.04

Tees



Press to Press to Press

Must order in bag quantities

SIZE	BAG QTY	STOCK NO	EACH FTG
1/4"	3	CO14COTCB	35.98
3/8"	3	CO38COTCB	39.43
1/2"	3	CO12COTCB	42.46
5/8"	2	CO58COTCB	44.75
3/4"	2	CO34COTCB	49.42
7/8"	2	CO78COTCB	53.11
1 1/8"	1	CO118COTCB	68.26
1 3/8"	1	CO138COTCB	111.77

Reducing Couplings



Press to Press

Must order in bag quantities

SIZE	BAG QTY	STOCK NO	EACH FTG
1/2" x 3/8"	2	CO12X38CORCB	26.01
5/8" x 3/8"	2	CO58X38CORCB	26.42
5/8" x 1/2"	2	CO58X12CORCB	28.16
3/4" x 3/8"	2	CO34X38CORCB	37.73
3/4" x 1/2"	2	CO34X12CORCB	27.90
3/4" x 5/8"	2	CO34X58CORCB	33.13
7/8" x 1/2"	2	CO78X12CORCB	30.43
7/8" x 5/8"	2	CO78X58CORCB	40.69
7/8" x 3/4"	2	CO78X34CORCB	43.47
1 1/8" x 5/8"	1	CO118X58CORCB	48.69
1 1/8" x 3/4"	1	CO118X34CORCB	45.29
1 1/8" x 7/8"	1	CO118X78CORCB	52.73
1 3/8" x 7/8"	1	CO138X78CORCB	53.99
1 3/8" x 1 1/8"	1	CO138X118CORCB	65.26

Fitting Reducing Couplings



Press to Solder

Must order in bag quantities

SIZE	BAG QTY	STOCK NO	EACH FTG
3/8" x 1/4"	2	CO38X14COFRCB	24.69
1/2" x 3/8"	2	CO12X38COFRCB	23.77
5/8" x 3/8"	2	CO58X38COFRCB	22.40
5/8" x 1/2"	2	CO58X12COFRCB	22.40
3/4" x 1/2"	2	CO34X12COFRCB	30.17
3/4" x 5/8"	2	CO34X58COFRCB	32.91
7/8" x 1/2"	2	CO78X12COFRCB	24.69
7/8" x 5/8"	2	CO78X58COFRCB	26.51
7/8" x 3/4"	2	CO78X34COFRCB	27.43
1 1/8" x 1/2"	1	CO118X12COFRCB	32.00
1 1/8" x 5/8"	1	CO118X58COFRCB	33.80
1 1/8" x 3/4"	1	CO118X34COFRCB	35.65
1 1/8" x 7/8"	1	CO118X78COFRCB	38.39

Rothenberger >B< MaxiPro Press Jaw Kit



- Rotary Tube Cutter
- Pencil type deburrer
- Rovlies® copper cleaning pad
- Depth Gauge and Marker
- Large Press Jaws & Case:
- 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", & 1 1/8"

STOCK NO	EACH
COROJAWS	4173.17
Compact Press Jaw Kit: 6 Pieces 1/4" - 7/8"	
COROCOJAWS	3898.85
Large Press Jaw Kit: 1 3/8"	
CORO138JA	849.99



Fig. 608N Copper Grooved Butterfly Valves

- Designed to provide bubble-tight shut-off in both directions to 300 PSI
- Cast bronze body
- EPDM disc
- Lever handle w/memory stop

SIZE	STOCK NO	EACH
2½"	V024362211	4357.49
3"	V030362211	4789.75
4"	V040362211	6057.63
6"	V060362211	8232.87

Victaulic®



No. 610 Copper 90° Grooved Elbows

SIZE	STOCK NO	EACH
2"	2V610	415.62
2½"	212V610	449.75
3"	3V610	626.49
4"	4V610	1430.62
6"	6V610	6448.75

No. 611 Copper 45° Grooved Elbows

SIZE	STOCK NO	EACH
2"	2V611	415.62
2½"	212V611	449.75
3"	3V611	626.49
4"	4V611	1430.62
6"	6V611	6448.75



No. 620 Copper Grooved Tees

SIZE	STOCK NO	EACH
2"	2V620	674.62
2½"	212V620	717.50
3"	3V620	1066.62
4"	4V620	2329.25
6"	6V620	8036.86



No. 625 Copper Grooved Reducing Tees

SIZE	STOCK NO	EACH
3x2"	3X2V625	1372.87
3x2½"	3X212V625	1808.62
4x2"	4X2V625	3058.13
4x2½"	4X212V625	3058.13
4x3"	4X3V625	3058.13
6x3"	6X3V625	11378.49
6x4"	6X4V625	11378.49



No. 660 Copper Grooved Caps

With E Gasket

SIZE	STOCK NO	EACH
2½"	212V660	423.50
3"	3V660	523.25
4"	4V660	783.12
6"	6V660	1598.63



No. 641 Copper Grooved Flanges

SIZE	STOC2K NO	EACH
2½"	212V641	1876.88
3"	3V641	1967.00
4"	4V641	2151.62
6"	6V641	3148.24



No. 607 Rigid Copper Couplings

With EHP Gasket

SIZE	STOCK NO	EACH
2"	2V607	185.50
2½"	212V607	206.04
3"	3V607	230.55
4"	4V607	345.17
6"	6V607	757.90



No. 650 GxG Copper Grooved Reducers

SIZE	STOCK NO	EACH
3x2"	3X2V650	594.12
3x2½"	3X212V650	594.12
4x2"	4X2V650	1207.49
4x2½"	4X212V650	1207.49
4x3"	4X3V650	1207.49
6x3"	6X3V650	3658.37
6x4"	6X4V650	3658.37



No. 652 GxSwt Copper Grooved Reducer

SIZE	STOC2K NO	EACH
2x1½"	2X112V652	490.87
2½x2"	212X2V652	600.25
3x2"	3X2V652	743.76

No. 647 Copper x IPS Dielectric Fitting

SIZE	STOC2K NO	EACH
2"	2V647GG	922.00
2½"	212V647GG	1031.99
3"	3V647GG	1577.00
4"	4V647GG	3152.99

Forged Two Way Elbows
No 155



TUBE O.D.	STOCK NO	EACH
1/2"	12FCFL	16.97
5/8"	58FCFL	24.87

Flare Two Way Elbows
No 55

TUBE O.D.	STOCK NO	EACH
3/8"	38CFL	8.64
1/2"	12CFL	9.70
5/8"	58CFL	15.26

Forged Male Elbows
No 149



O.D.	I.P.T.	STOCK NO	EACH
1/4	1/8	14X18FCFMAL	8.06
1/4	1/4	14X14FCFMAL	7.72
3/8	1/4	38X14FCFMAL	6.06
3/8	3/8	38X38FCFMAL	12.24
3/8	1/2	38X12FCFMAL	9.31
1/2	1/2	12X12FCFMAL	16.83
5/8	1/2	58X12FCFMAL	23.15
5/8	3/4	58X34FCFMAL	30.69

Flare Male Elbows
No 49

O.D.	I.P.T.	STOCK NO	EACH
1/4	1/8	14X18CFMAL	7.10
1/4	1/4	14X14CFMAL	4.88
3/8	1/4	38X14CFMAL	5.84
3/8	3/8	38X38CFMAL	6.20
3/8	1/2	38X12CFMAL	8.22
1/2	3/8	12X38CFMAL	11.12
1/2	1/2	12X12CFMAL	9.72
5/8	1/2	58X12CFMAL	16.23
5/8	3/4	58X34CFMAL	18.92

Forged Female Elbows
No 150



O.D.	I.P.T.	STOCK NO	EACH
1/4	1/8	14X18FCFFAL	5.76
3/8	1/4	38X14FCFFAL	7.90
3/8	3/8	38X38FCFFAL	14.01

Flare Female Elbows
No 150

O.D.	I.P.T.	STOCK NO	EACH
3/8	3/8	38X38CFFAL	6.93
1/2	3/8	12X38CFFAL	11.35
1/2	1/2	12X12CFFAL	20.13
5/8	1/2	58X12CFFAL	13.52

Forged Tees



TUBE O.D.	STOCK NO	EACH
Three Way All - No 144		
1/4"	14FCFT	5.78
3/8"	38FCFT	14.05
1/2"	12FCFT	21.52
5/8"	58FCFT	33.37
Reducing - No 144-R		
1/2 x 3/8"	12X38FCFT	17.68

Flare Tees



TUBE O.D.	STOCK NO	EACH
Three Way All - No 44		
1/4"	14CFT	8.19
3/8"	38CFT	8.49
1/2"	12CFT	11.45
5/8"	58CFT	20.37
Reducing - No 44-R		
1/2 x 3/8"	12X38CFT	12.43
5/8 x 3/8"	58X38CFT	26.91
5/8 x 1/2"	58X12CFT	27.60

Unions



TUBE O.D.	STOCK NO	EACH
Standard - No 42		
1/4"	14CFU	2.57
3/8"	38CFU	2.88
1/2"	12CFU	4.27
5/8"	58CFU	10.33
Reducing - No 42-R		
3/8 x 1/4"	38X14CFU	4.76
1/2 x 3/8"	12X38CFU	7.06
5/8 x 1/2"	58X12CFU	11.87

Male Adapters
No 48-F



O.D.	I.P.T.	STOCK NO	EACH
1/4	1/8	14X18CFMA	2.01
1/4	1/4	14X14CFMA	1.93
1/4	3/8	14X38CFMA	5.23
3/8	1/8	38X18CFMA	4.04
3/8	1/4	38X14CFMA	2.50
3/8	3/8	38X38CFMA	2.85
3/8	1/2	38X12CFMA	4.38
3/8	3/4	38X34CFMA	10.60
1/2	1/4	12X14CFMA	6.43
1/2	3/8	12X38CFMA	4.02
1/2	1/2	12X12CFMA	4.41
1/2	3/4	12X34CFMA	7.30
5/8	1/2	58X12CFMA	5.34
5/8	3/4	58X34CFMA	8.33

Female Connectors
No. 46-F



O.D.	I.P.T.	STOCK NO	EACH
3/8	1/4	38X14CFFA	3.57
3/8	3/8	38X38CFFA	3.53
3/8	1/2	38X12CFFA	4.32
1/2	3/8	12X38CFFA	5.87
1/2	1/2	12X12CFFA	4.94
1/2	3/4	12X34CFFA	10.56
5/8	1/2	58X12CFFA	8.33

Short Flare Nuts
No 41-FS



TUBE O.D.	STOCK NO	EACH
1/8"	18CFN	2.16
1/4"	14CFN	1.20
3/8"	38CFN	1.76
1/2"	12CFN	2.64
5/8"	58CFN	4.01
1/2 x 3/8"	12X38CFN	8.61
5/8 x 1/2"	58X12CFN	9.70

Refrigeration Flare Nuts
No 141-S



TUBE O.D.	STOCK NO	EACH
1/4"	14CFRN	6.63
5/16"	516CFRN	3.74
3/8"	38CFRN	3.23
1/2"	12CFRN	3.97
5/8"	58CFRN	5.56
3/4"	34CFRN	29.38
7/8"	78CFRN	46.29

Flare Caps
No 40



TUBE O.D.	STOCK NO	EACH
1/4"	14CFCAP	1.02
3/8"	38CFCAP	2.19
1/2"	12CFCAP	2.42
5/8"	58CFCAP	7.16

Flare Plugs
No 639-F



TUBE O.D.	STOCK NO	EACH
3/8"	38CFP	2.15
1/2"	12CFP	5.26
5/8"	58CFP	8.68

Swivel Nuts
No 670-F



TUBE O.D.	STOCK NO	EACH
3/8"	38CFSN	10.56
1/2"	12CFSN	18.89
5/8"	58CFSN	17.68

Brass Compression Fittings (02a)

brasscraft.com



Male Elbows

TUBE O.D.	I.P.	STOCK NO	EACH
1/8	1/8	18X18CCMAL	5.79
3/16	1/8	316X18CCMAL	5.35
1/4	1/8	14X18CCMAL	7.72
1/4	1/4	14X14CCMAL	9.13
3/8	1/4	38X14CCMAL	8.09
3/8	3/8	38X38CCMAL	9.46
3/8	1/2	38X12CCMAL	12.57
1/2	3/8	12X38CCMAL	12.06
1/2	1/2	12X12CCMAL	34.76
5/8	3/8	58X38CCMAL	15.00
5/8	1/2	58X12CCMAL	25.08



Tees

Tube all 3 Ends

TUBE O.D.	STOCK NO	EACH
1/4"	14CCT	10.13
3/8"	38CCT	13.88
5/8"	58CCT	30.12



Unions

Tube Both Ends

TUBE O.D.	STOCK NO	EACH
Straight		
1/8"	18X18CCU	4.54
3/16"	316X316CCU	4.10
1/4"	14X14CCU	4.36
3/8"	38X38CCU	5.67
1/2"	12X12CCU	5.54
5/8"	58X58CCU	11.65
7/8"	78X78CCU	13.49
Reducing		
3/8 x 1/4"	38X14CCU	6.16
1/2 x 3/8"	12X38CCU	8.95
5/8 x 3/8"	58X38CCU	10.69



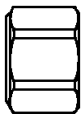
Male Unions

TUBE O.D.	I.P.	STOCK NO	EACH
1/8	1/8	18X18CCMA	4.98
3/16	1/8	316X18CCMA	4.28
1/4	1/8	14X18CCMA	3.02
1/4	1/4	14X14CCMA	3.76
3/8	1/8	38X18CCMA	6.66
3/8	1/4	38X14CCMA	4.18
3/8	3/8	38X38CCMA	6.30
3/8	1/2	38X12CCMA	6.30
1/2	3/8	12X38CCMA	6.69
1/2	1/2	12X12CCMA	7.49
5/8	3/8	58X38CCMA	15.23
5/8	1/2	58X12CCMA	8.60
7/8	3/4	78X34CCMA	10.38



Female Unions

TUBE O.D.	I.P.	STOCK NO	EACH
1/4	1/4	14X14CCFA	4.66
3/8	3/8	38X38CCFA	5.76
3/8	1/2	38X12CCFA	6.35
1/2	3/8	12X38CCFA	13.31
5/8	1/2	58X12CCFA	9.14
7/8	3/4	78X34CCFA	35.56



Compression Cap

TUBE O.D.	MODEL NO	STOCK NO	EACH
3/8"	61CP-6	38CCCAP	3.90



Nuts

TUBE O.D.	STOCK NO	EACH
1/8"	18CCN	1.34
3/16"	316CCN	.78
1/4"	14CCN	.70
3/8"	38CCN	.95
1/2"	12CCN	1.81
5/8"	58CCN	4.58



Sleeves

TUBE O.D.	STOCK NO	EACH
1/8"	18CCS	.24
3/16"	316CCS	.29
1/4"	14CCS	.22
3/8"	38CCS	.28
1/2"	12CCS	.57
5/8"	58CCS	.82
7/8"	78CCS	4.42

Rough Brass Pipe and Fittings (02b)

meritbrass.com



Rough Brass Pipe

12' Straight Length

IPS	O.D.	STOCK NO	PER FOOT
1/4"	540	14X12RB	10.89
3/8"	.675	38X12RB	13.30
1/2"	.840	12X12RB	19.81
3/4"	1.050	34X12RB	26.93
1"	1.315	1X12RB	37.75
1 1/4"	1.660	114X12RB	73.82
1 1/2"	1.900	112X12RB	66.38
2"	2.375	2X12RB	87.37



90° Straight Elbows

SIZE	STOCK NO	EACH
1/8"	18RBL	5.49
1/4"	14RBL	5.18
3/8"	38RBL	5.35
1/2"	12RBL	7.88
3/4"	34RBL	10.62
1"	1RBL	16.40
1 1/4"	114RBL	26.06
1 1/2"	112RBL	45.29
2"	2RBL	52.99
2 1/2"	212RBL	103.95
3"	3RBL	162.00
4"	4RBL	384.55

90° Reducing Elbows

SIZE	STOCK NO	EACH
1/2 x 3/8"	12X38RBL	9.33
3/4 x 1/2"	34X12RBL	12.15
1 x 3/4"	1X34RBL	21.14
1 1/4 x 1"	114X1RBL	34.17
1 1/2 x 1 1/4"	112X114RBL	42.67
1 1/2 x 1"	112X1RBL	42.28
2 x 1 1/2"	2X112RBL	77.99



90° Street Elbows

SIZE	STOCK NO	EACH
1/8"	18RBSL	8.48
1/4"	14RBSL	8.24
3/8"	38RBSL	8.24
1/2"	12RBSL	9.81
3/4"	34RBSL	13.84
1"	1RBSL	22.90
1 1/4"	114RBSL	36.10
1 1/2"	112RBSL	47.03
2"	2RBSL	77.42



45° Elbows

SIZE	STOCK NO	EACH
1/8"	18RB45L	5.48
1/4"	14RB45L	6.03
1/2"	12RB45L	7.22
3/4"	34RB45L	10.95
1"	1RB45L	18.37
1 1/4"	114RB45L	30.05
1 1/2"	112RB45L	36.68
2"	2RB45L	58.29

45° Street Elbows

SIZE	STOCK NO	EACH
1/2"	12RBS45L	10.56
3/4"	34RBS45L	14.34



Straight Tees

SIZE	STOCK NO	EACH
1/8"	18RBT	7.64
1/4"	14RBT	7.22
3/8"	38RBT	7.44
1/2"	12RBT	9.09
3/4"	34RBT	13.07
1"	1RBT	23.19
1 1/4"	114RBT	32.55
1 1/2"	112RBT	44.78
2"	2RBT	73.36



Reducing Tees

SIZE	STOCK NO	EACH
3/4 x 1/2"	34X12RBT	16.04
1 x 1/2"	1X12RBT	29.96
1 x 3/4"	1X34RBT	29.27
1 1/4 x 1"	114X1RBT	41.86
1 1/2 x 1 1/4"	112X114RBT	59.35
2 x 1 1/4"	2X114RBT	95.72

Straight Coupling

SIZE	STOCK NO	EACH
1/8"	18RBC	5.49
1/4"	14RBC	5.18
3/8"	38RBC	5.35
1/2"	12RBC	6.51
3/4"	34RBC	8.60
1"	1RBC	13.07
1 1/4"	114RBC	20.40
1 1/2"	112RBC	27.74
2"	2RBC	45.66



Reducing Couplings

SIZE	STOCK NO	EACH
1/4 x 1/8"	14X18RBR	5.97
3/8 x 1/4"	38X14RBR	5.97
1/2 x 3/8"	12X38RBR	7.25
1/2 x 1/4"	12X14RBR	7.45
3/4 x 1/2"	34X12RBR	10.34
3/4 x 3/8"	34X38RBR	11.12
3/4 x 1/4"	34X14RBR	12.35
1 x 3/4"	1X34RBR	17.20
1 x 1/2"	1X12RBR	18.23
1 1/4 x 1"	114X1RBR	27.74
1 1/4 x 3/4"	114X34RBR	28.73
1 1/2 x 1 1/4"	112X114RBR	35.05
1 1/2 x 1"	112X1RBR	35.05
2 x 1 1/2"	2X112RBR	53.65
2 x 1"	2X1RBR	60.45



Unions

Standard Rough

SIZE	STOCK NO	EACH
1/8"	18RBU	19.95
1/4"	14RBU	19.74
3/8"	38RBU	19.95
1/2"	12RBU	20.49
3/4"	34RBU	28.40
1"	1RBU	37.48
1 1/4"	114RBU	54.86
1 1/2"	112RBU	64.77
2"	2RBU	99.32





Bushings

SIZE	STOCK NO	EACH
Hex Bushing		
1/4 x 1/8"	14X18RBB	2.97
3/8 x 1/4"	38X14RBB	4.55
3/8 x 1/8"	38X18RBB	4.55
1/2 x 3/8"	12X38RBB	4.57
1/2 x 1/4"	12X14RBB	4.12
1/2 x 1/8"	12X18RBB	5.27
3/4 x 1/2"	34X12RBB	5.70
3/4 x 3/8"	34X38RBB	5.94
3/4 x 1/4"	34X14RBB	6.86
3/4 x 1/8"	34X18RBB	7.47
1 x 3/4"	1X34RBB	8.60
1 x 1/2"	1X12RBB	8.98
1 x 1/4"	1X14RBB	11.23
1 1/4 x 1"	114X1RBB	14.66
1 1/4 x 3/4"	114X34RBB	15.19
1 1/4 x 1/2"	114X12RBB	18.74
1 1/2 x 1 1/4"	112X114RBB	18.72
1 1/2 x 1"	112X1RBB	18.72
1 1/2 x 3/4"	112X34RBB	22.90
2 x 1 1/2"	2X112RBB	27.74
2 x 1 1/4"	2X114RBB	28.73
2 x 1"	2X1RBB	33.40
2 x 3/4"	2X34RBB	33.40
2 1/2 x 2"	212X2RBB	57.15
3 x 2 1/2"	3X212RBB	87.24
4 x 3"	4X3RBB	200.04
Flush Bushing		
1/2 x 3/8"	12X38RBFB	13.51
3/4 x 1/2"	34X12RBFB	18.89

Rough Brass Fittings (02b)



Caps

SIZE	STOCK NO	EACH
1/8"	18RBCAP	4.85
1/4"	14RBCAP	4.29
3/8"	38RBCAP	4.24
1/2"	12RBCAP	5.35
3/4"	34RBCAP	7.26
1"	1RBCAP	11.38
1 1/4"	114RBCAP	17.51
1 1/2"	112RBCAP	23.14
2"	2RBCAP	38.19



Square Head Plugs

SIZE	STOCK NO	EACH
1/8"	18RBP	1.45
1/4"	14RBP	2.44
3/8"	38RBP	3.80
1/2"	12RBP	7.12
3/4"	34RBP	6.22
1"	1RBP	8.19
1 1/4"	114RBP	12.20
1 1/2"	112RBP	15.55
2"	2RBP	24.53
2 1/2"	212RBP	44.51



Solid Plugs

SIZE	STOCK NO	EACH
3/4"	34SBP	8.90
1"	1SBP	15.00



Countersunk Plugs

SIZE	STOCK NO	EACH
1/4"	14RBCP	1.48
1/2"	12RBCP	3.77
3/4"	34RBCP	5.72
1"	1RBCP	31.48
1 1/4"	114RBCP	57.85
1 1/2"	112RBCP	72.60



(02)

Hex Head Plugs

SIZE	STOCK NO	EACH
1/4"	14RBHP	2.16
3/8"	38RBHP	3.18
1/2"	12RBHP	5.30
3/4"	34RBHP	8.85

150# Threaded Brass Flanges

SIZE	STOCK NO	EACH
1 1/2" x 5"	112RBSCF	143.64
2" x 6"	2RBSCF	220.90

Red Brass Nipples (02b)

meritbrass.com



Red Brass Nipples

LENGTH	STOCK NO	EACH
1/8" IPS		
Close	18XCRBN	3.02
1 1/2"	18X112RBN	3.42
2"	18X2RBN	3.67
2 1/2"	18X212RBN	3.94
3"	18X3RBN	4.48
3 1/2"	18X312RBN	4.59
4"	18X4RBN	5.45
4 1/2"	18X412RBN	5.78
5"	18X5RBN	6.56
5 1/2"	18X512RBN	6.75
6"	18X6RBN	7.59
1/4" IPS		
Close	14XCRBN	3.54
1 1/2"	14X112RBN	4.10
2"	14X2RBN	4.63
2 1/2"	14X212RBN	4.52
3"	14X3RBN	5.79
3 1/2"	14X312RBN	6.30
4"	14X4RBN	7.41
4 1/2"	14X412RBN	8.05
5"	14X5RBN	8.78
5 1/2"	14X512RBN	9.07
6"	14X6RBN	10.69
3/8" IPS		
Close	38XCRBN	3.58
1 1/2"	38X112RBN	4.25
2"	38X2RBN	5.16
2 1/2"	38X212RBN	5.59
3"	38X3RBN	6.56
3 1/2"	38X312RBN	7.28
4"	38X4RBN	8.42
4 1/2"	38X412RBN	9.22
5"	38X5RBN	10.03
5 1/2"	38X512RBN	10.99
6"	38X6RBN	11.56
1/2" IPS		
Close	12XCRBN	4.78
1 1/2"	12X112RBN	5.54
2"	12X2RBN	6.36
2 1/2"	12X212RBN	7.63
3"	12X3RBN	8.72
3 1/2"	12X312RBN	9.94
4"	12X4RBN	11.16
4 1/2"	12X412RBN	12.72
5"	12X5RBN	13.72
5 1/2"	12X512RBN	15.19
6"	12X6RBN	16.46
3/4" IPS		
Close	34XCRBN	6.94
1 1/2"	34X112RBN	7.38
2"	34X2RBN	8.73
2 1/2"	34X212RBN	10.11
3"	34X3RBN	11.68
3 1/2"	34X312RBN	12.89
4"	34X4RBN	14.99
4 1/2"	34X412RBN	16.29
5"	34X5RBN	17.98
5 1/2"	34X512RBN	19.64
6"	34X6RBN	21.87

Red Brass Nipples Continued

LENGTH	STOCK NO	EACH
1" IPS		
Close	1XCRBN	10.22
2"	1X2RBN	12.61
2 1/2"	1X212RBN	14.46
3"	1X3RBN	16.66
3 1/2"	1X312RBN	19.29
4"	1X4RBN	21.69
4 1/2"	1X412RBN	24.19
5"	1X5RBN	26.74
5 1/2"	1X512RBN	29.30
6"	1X6RBN	31.94
1 1/4" IPS		
Close	114XCRBN	15.16
2"	114X2RBN	17.32
2 1/2"	114X212RBN	18.27
3"	114X3RBN	23.18
4"	114X4RBN	30.54
4 1/2"	114X412RBN	31.52
5"	114X5RBN	34.78
6"	114X6RBN	41.54
1 1/2" IPS		
Close	112XCRBN	19.72
2"	112X2RBN	21.22
2 1/2"	112X212RBN	25.42
3"	112X3RBN	29.21
3 1/2"	112X312RBN	31.29
4"	112X4RBN	35.49
4 1/2"	112X412RBN	39.89
5"	112X5RBN	44.12
5 1/2"	112X512RBN	48.28
6"	112X6RBN	52.43
2" IPS		
Close	2XCRBN	30.02
2 1/2"	2X212RBN	32.41
3"	2X3RBN	34.90
3 1/2"	2X312RBN	40.19
4"	2X4RBN	45.66
4 1/2"	2X412RBN	50.91
5"	2X5RBN	56.44
5 1/2"	2X512RBN	61.91
6"	2X6RBN	67.41
2 1/2" IPS		
Close	212XCRBN	73.93
4"	212X4RBN	97.35
3" IPS		
Close	3XCRBN	100.53
4"	3X4RBN	133.10
4" IPS		
Close	4XCRBN	151.25
6"	4X6RBN	276.33
12"	4X12RBN	525.08

Chrome Plated Brass Fittings and Nipples (02a)

brassproducts.com



(02)

Chrome Plated Brass Pipe

6' Length

IPS	STOCK NO	PER LGTH
3/8"	38X6CPBRPI	432.92
1/2"	12X6CPBRPI	478.35
3/4"	34X6CPBRPI	709.07



90° Elbows

SIZE	STOCK NO	EACH
3/8"	38CBL	34.45
1/2"	12CBL	34.45
3/4"	34CBL	46.08
1"	1CBL	74.93



90° Reducing Elbows

SIZE	STOCK NO	EACH
1/2 x 3/8"	12X38CBL	57.62
3/4 x 1/2"	34X12CBL	69.13



90° Street Elbows

SIZE	STOCK NO	EACH
3/8"	38CBSL	46.08
1/2"	12CBSL	46.08
3/4"	34CBSL	63.42



45° Elbows

SIZE	STOCK NO	EACH
1/2"	12CB45L	42.46
3/4"	34CB45L	60.53



45° Street Elbow

SIZE	STOCK NO	EACH
1/2"	12CBS45L	54.45



Tees

SIZE	STOCK NO	EACH
3/8"	38CBT	48.64
1/2"	12CBT	42.23
3/4"	34CBT	57.50



Couplings

SIZE	STOCK NO	EACH
3/8"	38CBC	28.82
1/2"	12CBC	28.82
3/4"	34CBC	40.46



Reducing Couplings

SIZE	STOCK NO	EACH
1/2 x 3/8"	12X38CBR	35.94
3/4 x 1/2"	34X12CBR	48.05



Union

SIZE	STOCK NO	EACH
1/2"	12CBU	106.72



Caps

SIZE	STOCK NO	EACH
3/8"	38CBCAP	22.91
1/2"	12CBCAP	22.91
3/4"	34CBCAP	28.82



Nipples

LENGTH	STOCK NO	EACH
1/4" IPS		
1 1/2"	14X112CBN	10.23
2"	14X2CBN	11.60
3"	14X3CBN	14.50
6"	14X6CBN	26.76
3/8" IPS		
Close	38XCCBN	6.62
1 1/2"	38X112CBN	7.83
2"	38X2CBN	9.50
2 1/2"	38X212CBN	10.30
3"	38X3CBN	12.08
3 1/2"	38X312CBN	13.41
4"	38X4CBN	15.53
4 1/2"	38X412CBN	17.00
5"	38X5CBN	18.47
5 1/2"	38X512CBN	20.28
6"	38X6CBN	21.32
1/2" IPS		
Close	12XCCBN	8.82
1 1/2"	12X112CBN	10.21
2"	12X2CBN	11.72
2 1/2"	12X212CBN	14.08
3"	12X3CBN	16.05
3 1/2"	12X312CBN	18.32
4"	12X4CBN	20.60
4 1/2"	12X412CBN	23.45
5"	12X5CBN	25.30
5 1/2"	12X512CBN	28.01
6"	12X6CBN	30.33
3/4" IPS		
Close	34XCCBN	17.35
1 1/2"	34X112CBN	18.48
2"	34X2CBN	21.84
2 1/2"	34X212CBN	25.33
3"	34X3CBN	29.21
3 1/2"	34X312CBN	32.24
4"	34X4CBN	37.48
4 1/2"	34X412CBN	40.77
5"	34X5CBN	45.00
5 1/2"	34X512CBN	49.17
6"	34X6CBN	54.74
1" IPS		
Close	1XCCBN	25.56
2"	1X2CBN	31.54
2 1/2"	1X212CBN	36.19
3"	1X3CBN	41.69
3 1/2"	1X312CBN	48.25
4"	1X4CBN	54.26
4 1/2"	1X412CBN	60.53
5"	1X5CBN	66.93
5 1/2"	1X512CBN	73.31
6"	1X6CBN	79.91

Type 304L Schedule 10

Schedule 10 Plain End Pipe
Type 304L - 20' Lengths

SIZE	STOCK NO	PER FT
½"	12SS304PE10	6.00
¾"	34SS304PE10	7.64
1"	1SS304PE10	11.76
1 ¼"	114SS304PE10	14.86
1 ½"	112SS304PE10	16.84
2"	2SS304PE10	21.51
2 ½""	212SS304PE10	33.08
3"	3SS304PE10	43.31
4"	4SS304PE10	44.74
6"	6SS304PE10	74.73
8"	8SS304PE10	108.22

90° Welding Elbows
Type 304L

SIZE	STOCK NO	EACH
½"	12SS304LW10	11.46
¾"	34SS304LW10	11.46
1"	1SS304LW10	13.47
1¼"	114SS304LW10	20.90
1½"	112SS304LW10	16.85
2"	2SS304LW10	20.90
2½"	212SS304LW10	35.72
3"	3SS304LW10	42.46
4"	4SS304LW10	69.42
6"	6SS304LW10	186.00

45° Welding Elbows
Type 304L

SIZE	STOCK NO	EACH
½"	12SS30445LW10	14.82
¾"	34SS30445LW10	14.82
1"	1SS30445LW10	17.52
1¼"	114SS30445LW10	28.31
1½"	112SS30445LW10	17.52
2"	2SS30445LW10	20.90
21/2"	212SS30445LW10	32.35
3"	3SS30445LW10	36.40
4"	4SS30445LW10	57.96

Welding Tees
Type 304L

SIZE	STOCK NO	EACH
½"	12SS304TW10	37.07
¾"	34SS304TW10	37.07
1"	1SS304TW10	37.07
1½"	112SS304TW10	37.07
2"	2SS304TW10	39.77
2½"	212SS304TW10	103.79
3"	3SS304TW10	72.79
4"	4SS304TW10	109.17

Welding Caps
Type 304L

SIZE	STOCK NO	EACH
½"	12SS304CAPW10	20.90
¾"	34SS304CAPW10	28.31
1"	1SS304CAPW10	31.00
1¼"	114SS304CAPW10	76.83
1½"	112SS304CAPW10	33.02
2"	2SS304CAPW10	28.98
2½"	212SS304CAPW10	41.78
3"	3SS304CAPW10	35.72
4"	4SS304CAPW10	45.83

Welding Concentric Reducer
Type 304L

SIZE	STOCK NO	EACH
1 x ¾"	1X34SS304CRW10	28.31
1 x ½"	1X12SS304CRW10	POA*
1¼ x 1"	114X1SS304CRW10	43.13
1¼ x ¾"	114X34SS304CRW10	72.12
1½ x 1¼"	114X114SS304CRW10	POA*
1½ x 1"	112X1SS304CRW10	POA*
2 x 1½"	2X112SS304CRW10	22.25
2 x 1¼"	2X114SS304CRW10	POA*
2 x 1"	2X1SS304CRW10	22.25
2 x ¾"	2X34SS304CRW10	57.96
2½ x 2"	212X2SS304CRW10	62.01
3 x 2½"	3X212SS304CRW10	32.35
3 x 2"	3X2SS304CRW10	32.35
4 x 3"	4X3SS304CRW10	33.70
4 x 2"	4X2SS304CRW10	43.81

***Price on Application**

150 Slip-On Flange
Type 304L

SIZE	STOCK NO	EACH
¾"	34SS304SOF	53.62
1"	1SS304SOF	58.85
1¼"	114SS304SOF	79.77
1½"	112SS304SOF	79.77
2"	2SS304SOF	103.32
2½"	212SS304SOF	145.17
3"	3SS304SOF	155.63
4"	4SS304SOF	211.87
6"	6SS304SOF	323.03

150 Threaded Flange
Type 304L

SIZE	STOCK NO	EACH
¾"	34SS304SCF	POA*
1"	1SS304SCF	71.93
1¼"	114SS304SCF	92.85
1½"	112SS304SCF	92.85
2"	2SS304SCF	121.62

***Price on Application**

150 Blind Flange
Type 304L

SIZE	STOCK NO	EACH
¾"	34SS304BLF	57.55
1"	1SS304BLF	POA*
1¼"	114SS304BLF	87.63
1½"	112SS304BLF	87.63
2"	2SS304BLF	108.55
2½"	212SS304BLF	POA*
3"	3SS304BLF	170.02

***Price on Application**

(04)

Carbon Steel Lap Joint Flange
Used with SS stub ends

SIZE	STOCK NO	EACH
1"	1WELJF	43.25
1½"	112WELJF	43.25
2"	2WELJF	35.99
2½"	212WELJF	57.16
3"	3WELJF	49.69
4"	4WELJF	60.33
6"	6WELJF	100.56

MSS Type A Stub End
Type 304L

SIZE	STOCK NO	EACH
1"	1304SSASE10	49.06
1¼"	114304SSASE10	108.18
1½"	112304SSASE10	47.80
2"	2304SSASE10	57.86
3"	3304SSASE10	80.50
4"	4304SSASE10	108.18

Type 316L Schedule 10

Schedule 10 Plain End Pipe
Type 316L - 20' Lengths

SIZE	STOCK NO	PER FT
¾"	34SS316PE10	11.05
1"	1SS316PE10	17.92
1 ¼"	114SS316PE10	23.06
1 ½"	112SS316PE10	26.61
2"	2SS316PE10	31.95
3"	3SS316PE10	49.31
4"	4SS316PE10	63.85

90° LR Welding Elbows
Type 316L

SIZE	STOCK NO	EACH
¾"	34SS316LW10	14.82
1"	1SS316LW10	17.52
1¼"	114SS316LW10	28.98
1½"	112SS316LW10	20.90
2"	2SS316LW10	25.61

45° LR Welding Elbows
Type 316L

SIZE	STOCK NO	EACH
¾"	34SS31645LW10	18.87
1"	1SS31645LW10	21.57
1¼"	114SS31645LW10	28.98
1½"	112SS31645LW10	20.90

LR Welding Tees
Type 316L

SIZE	STOCK NO	EACH
¾"	34SS316TW10	45.83
1"	1SS316TW10	45.83
1¼"	114SS316TW10	78.85
1½"	112SS316TW10	49.87
2"	2SS316TW10	51.22

Welding Concentric Reducers
Type 316L

SIZE	STOCK NO	EACH
1 x ½"	1X12SS316CRW10	46.51
1 x ¾"	1X34SS316CRW10	35.72
1¼x 1"	114X1SS316CRW10	57.96
1½x 1"	112X1SS316CRW10	26.28
1½x 1¼"	112X114SS316CRW10	29.66
2 x 1"	2X1SS316CRW10	29.66
2 x 1½"	2X112SS316CRW10	26.28

MSS Type A Stub End
Type 316L

SIZE	STOCK NO	EACH
1"	1316SSASE10	62.90
1¼"	114316SSASE10	135.85
1½"	112316SSASE10	61.64
2"	2316SSASE10	69.19
3"	3316SSASE10	99.37
4"	4316SSASE10	135.85

Stainless Steel Pipe and Fittings (46)

150# Threaded & Welded 304

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Schedule 40 Plain End Pipe

Type 304 - 20' Lengths

SIZE	STOCK NO	PER FT
1/4"	14SSPE	8.27
3/8"	38SSPE	9.82
1/2"	12SSPE	7.31
3/4"	34SSPE	9.09
1"	1SSPE	14.14
1 1/4"	114SSPE	19.17
1 1/2"	112SSPE	22.34
2"	2SSPE	29.13
2 1/2"	212SSPE	46.87
3"	3SSPE	61.30
4"	4SSPE	86.98



Threaded 90° Elbows

Type 304

SIZE	STOCK NO	EACH
1/4"	14SSL	5.79
3/8"	38SSL	7.20
1/2"	12SSL	7.44
3/4"	34SSL	10.58
1"	1SSL	15.19
1 1/4"	114SSL	26.70
1 1/2"	112SSL	34.86
2"	2SSL	43.61

90° Welding Elbows

Type 304

SIZE	STOCK NO	EACH
3/4"	34SS304LW	14.16
1"	1SS304LW	15.50
1 1/4"	114SS304LW	22.91
1 1/2"	112SS304LW	18.20
2"	2SS304LW	25.61
3"	3SS304LW	68.07
4"	4SS304LW	126.04



Threaded 45° Elbows

Type 304

SIZE	STOCK NO	EACH
1/4"	14SS45L	7.43
3/8"	38SS45L	8.59
1/2"	12SS45L	9.42
3/4"	34SS45L	13.92
1"	1SS45L	16.62
1 1/4"	114SS45L	25.61
1 1/2"	112SS45L	31.66
2"	2SS45L	44.13

45° Welding Elbows

Type 304

SIZE	STOCK NO	EACH
3/4"	34SS30445LW	18.87
1"	1SS30445LW	18.87
1 1/4"	114SS30445LW	27.63
1 1/2"	112SS30445LW	21.57
2"	2SS30445LW	26.28
3"	3SS30445LW	49.21
4"	4SS30445LW	88.97



Threaded 90° Street Elbows

Type 304

SIZE	STOCK NO	EACH
1/4"	14SSSL	7.97
3/8"	38SSSL	9.81
1/2"	12SSSL	11.54
3/4"	34SSSL	15.67
1"	1SSSL	26.96
1 1/4"	114SSSL	39.92
1 1/2"	112SSSL	46.76
2"	2SSSL	63.34



Threaded Tees

Type 304

SIZE	STOCK NO	EACH
1/4"	14SST	7.55
3/8"	38SST	9.76
1/2"	12SST	10.00
3/4"	34SST	15.93
1"	1SST	20.17
1 1/4"	114SST	40.91
1 1/2"	112SST	50.75
2"	2SST	64.19

Welding Tees

Type 304

SIZE	STOCK NO	EACH
3/4"	34SS304TW	39.77
1"	1SS304TW	39.77
1 1/2"	112SS304TW	39.77
2"	2SS304TW	43.13
3"	3SS304TW	86.94
4"	4SS304TW	124.69



Threaded Couplings

Type 304

SIZE	STOCK NO	EACH
1/4"	14SSC	3.65
3/8"	38SSC	4.37
1/2"	12SSC	5.97
3/4"	34SSC	8.61
1"	1SSC	13.08
1 1/4"	114SSC	21.07
1 1/2"	112SSC	25.02
2"	2SSC	33.59
3"	3SSC	95.30

Threaded Heavy Wall Couplings

Type 304

SIZE	STOCK NO	EACH
1/4"	14SSCH	5.16
3/8"	38SSCH	6.18
1/2"	12SSCH	8.45
3/4"	34SSCH	12.18
1"	1SSCH	18.51
1 1/4"	114SSCH	29.81
1 1/2"	112SSCH	35.38
2"	2SSCH	48.64



Threaded Hex Head Plugs

Type 304

SIZE	STOCK NO	EACH
1/2"	12SSP	5.40
3/4"	34SSP	6.89
1"	1SSP	11.68
1 1/4"	114SSP	18.75
1 1/2"	112SSP	20.29
2"	2SSP	28.03



Threaded Unions

Type 304

SIZE	STOCK NO	EACH
1/4"	14SSU	19.51
3/8"	38SSU	19.87
1/2"	12SSU	20.67
3/4"	34SSU	26.20
1"	1SSU	39.50
1 1/4"	114SSU	69.19
1 1/2"	112SSU	77.06
2"	2SSU	92.26



Threaded Round Caps

Type 304

SIZE	STOCK NO	EACH
1/4"	14SSCAP	4.24
3/8"	38SSCAP	4.98
1/2"	12SSCAP	5.17
3/4"	34SSCAP	6.47
1"	1SSCAP	9.57
1 1/4"	114SSCAP	17.31
1 1/2"	112SSCAP	22.46
2"	2SSCAP	28.38

Welding Caps

Type 304

SIZE	STOCK NO	EACH
3/4"	34SS304CAPW	26.28
1"	1SS304CAPW	33.02
1 1/4"	114SS304CAPW	62.01
1 1/2"	112SS304CAPW	41.78
2"	2SS304CAPW	28.31
2 1/2"	212SS304CAPW	51.22
3"	3SS304CAPW	38.42
4"	4SS304CAPW	53.92



Threaded Hex Bushings

Type 304

SIZE	STOCK NO	EACH
1/4 x 1/8"	14X18SSB	3.78
3/8 x 1/4"	38X14SSB	4.13
3/8 x 1/8"	38X18SSB	4.19
1/2 x 1/8"	12X18SSB	5.22
1/2 x 3/8"	12X38SSB	5.22
1/2 x 1/4"	12X14SSB	5.08
3/4 x 3/8"	34X38SSB	7.64
3/4 x 1/2"	34X12SSB	7.43
3/4 x 1/4"	34X14SSB	7.64
1 x 3/4"	1X34SSB	10.23
1 x 1/2"	1X12SSB	10.23
1 x 1/4"	1X14SSB	10.46
1 1/4 x 1"	114X1SSB	18.72
1 1/4 x 3/4"	114X34SSB	18.72
1 1/4 x 1/2"	114X12SSB	18.94
1 1/2 x 1"	112X1SSB	22.19
1 1/2 x 3/4"	112X34SSB	22.19
1 1/2 x 1/2"	112X12SSB	22.41
1 1/2 x 1 1/4"	112X114SSB	22.19
2 x 1 1/2"	2X112SSB	33.86
2 x 1 1/4"	2X114SSB	33.86
2 x 1"	2X1SSB	33.21
2 x 3/4"	2X34SSB	33.86
2 x 1/2"	2X12SSB	34.18

Welding Concentric Reducer
Type 304

SIZE	STOCK NO	EACH
1 x ¾"	1X34SS304CRW	35.05
1 x ½"	1X12SS304CRW	43.81
1¼ x 1"	114X1SS304CRW	43.81
1½ x 1¼"	112X114SS304CRW	31.68
1½ x 1"	112X1SS304CRW	22.25
2 x 1½"	2X112SS304CRW	26.28
2 x 1¼"	2X114SS304CRW	41.78
2 x 1"	2X1SS304CRW	33.02
2½ x 2"	212X2SS304CRW	66.04
3 x 21/2"	3X212SS304CRW	46.51
3 x 2"	3X2SS304CRW	42.46
4 x 3"	4X3SS304CRW	46.51



Threaded 150 Reducer Coupling
Type 304

SIZE	STOCK NO	EACH
¼ x ⅛"	14X18SSR	6.14
½ x ¼"	12X14SSR	6.51
¾ x ½"	34X12SSR	9.52
1 x 1/2"	1X12SSR	13.18
1 x ¾"	1X34SSR	13.03
1¼ x 1"	114X1SSR	19.21
1½ x 1"	112X1SSR	27.14
2 x 1½"	2X112SSR	44.87



Threaded Half Coupling
Type 304

SIZE	STOCK NO	EACH
¼"	14SS304HC	2.54
⅜"	38SS304HC	2.79
½"	12SS304HC	3.73
¾"	34SS304HC	5.05
1"	1SS304HC	6.39
1¼"	114SS304HC	10.54
1½"	112SS304HC	13.37
2"	2SS304HC	18.14

Threaded Heavy Wall Half Coupling
Type 304

SIZE	STOCK NO	EACH
¼"	14SS304HHC	3.60
⅜"	38SS304HHC	3.96
½"	12SS304HHC	5.28
¾"	34SS304HHC	7.14
1"	1SS304HHC	9.03
1¼"	114SS304HHC	14.90
1½"	112SS304HHC	18.91
2"	2SS304HHC	25.68



Stainless Steel Nipples

SIZE	STOCK NO	EACH
¼" IPS		
Close	14XCSSN	2.13
1½"	14X112SSN	2.64
2"	14X2SSN	3.16
2½"	14X212SSN	3.75
3"	14X3SSN	4.33
3½"	14X312SSN	5.17
4"	14X4SSN	5.55
4½"	14X412SSN	6.51
5"	14X5SSN	7.06
5½"	14X512SSN	7.75
6"	14X6SSN	7.90
⅜" IPS		
Close	38XCSSN	2.56
1½"	38X112SSN	3.11
2"	38X2SSN	3.75
2½"	38X212SSN	4.47
3"	38X3SSN	5.18
3½"	38X312SSN	6.26
4"	38X4SSN	6.94
5"	38X5SSN	8.45
5½"	38X512SSN	9.18
6"	38X6SSN	9.71
½" IPS		
Close	12XCSSN	3.29
1½"	12X112SSN	3.98
2"	12X2SSN	4.77
2½"	12X212SSN	5.89
3"	12X3SSN	6.66
3½"	12X312SSN	7.83
4"	12X4SSN	8.57
4½"	12X412SSN	9.75
5"	12X5SSN	10.71
6"	12X6SSN	12.35
¾" IPS		
Close	34XCSSN	4.44
1½"	34X112SSN	4.74
2"	34X2SSN	5.67
2½"	34X212SSN	7.02
3"	34X3SSN	7.95
3½"	34X312SSN	9.32
4"	34X4SSN	10.25
4½"	34X412SSN	11.83
5"	34X5SSN	12.83
6"	34X6SSN	14.81

Stainless Steel Nipples Continued

SIZE	STOCK NO	EACH
1" IPS		
Close	1XCSSN	5.85
2"	1X2SSN	7.55
2½"	1X212SSN	8.90
3"	1X3SSN	10.17
3½"	1X312SSN	12.10
4"	1X4SSN	13.11
4½"	1X412SSN	15.16
5"	1X5SSN	16.43
5½"	1X512SSN	18.23
6"	1X6SSN	18.99
1¼" IPS		
Close	114XCSSN	8.09
2"	114X2SSN	9.63
2½"	114X212SSN	11.41
3"	114X3SSN	13.34
3½"	114X312SSN	15.28
4"	114X4SSN	16.96
5"	114X5SSN	21.10
6"	114X6SSN	24.02
1½" IPS		
Close	112XCSSN	9.86
2"	112X2SSN	10.96
2½"	112X212SSN	13.26
3"	112X3SSN	15.31
3½"	112X312SSN	17.83
4"	112X4SSN	19.35
4½"	112X412SSN	22.41
5"	112X5SSN	23.75
5½"	112X512SSN	25.95
6"	112X6SSN	28.15
2" IPS		
Close	2XCSSN	14.93
2½"	2X212SSN	17.04
3"	2X3SSN	19.72
3½"	2X312SSN	22.13
4"	2X4SSN	24.99
5"	2X5SSN	30.73
6"	2X6SSN	36.46



Schedule 40 Plain End Pipe
Type 316L - 20' Lengths

SIZE	STOCK NO	PER FT
½"	12SS316PE	10.89
¾"	34SS316PE	14.47
1"	1SS316PE	20.37
1 ¼"	114SS316PE	27.59
1 ½"	112SS316PE	32.24
2"	2SS316PE	42.86
3"	3SS316PE	86.75
4"	4SS316PE	123.56

90° Welding Elbows
Type 316L

SIZE	STOCK NO	EACH
¾"	34SS316LW	18.20
1"	1SS316LW	20.90
1¼"	114SS316LW	31.00
1½"	112SS316LW	24.26
2"	2SS316LW	33.70
3"	3SS316LW	90.32
4"	4SS316LW	165.79

45° Welding Elbows
Type 316L

SIZE	STOCK NO	EACH
¾"	34SS31645LW	24.93
1"	1SS31645LW	24.93
1¼"	114SS31645LW	33.70
1½"	112SS31645LW	28.31
2"	2SS31645LW	33.70
3"	3SS31645LW	64.03
4"	4SS31645LW	115.92

Welding Concentric Reducer
Type 316L

SIZE	STOCK NO	EACH
1 x ¾"	1X34SS316CRW	46.51
1 x ½"	1X12SS316CRW	53.92
1¼ x 1"	114X1SS316CRW	64.71
2 x 1½"	2X112SS316CRW	33.70
2 x 1¼"	2X114SS316CRW	57.96
2½ x 2"	212X2SS316CRW	86.94
3 x 21/2"	3X212SS316CRW	60.66
3 x 2"	3X2SS316CRW	53.92
4 x 3"	4X3SS316CRW	60.66

Welding Tees
Type 316L

SIZE	STOCK NO	EACH
1"	1SS316TW	49.87
1¼"	114SS316TW	86.94
1½"	112SS316TW	49.87
2"	2SS316TW	53.92
2½"	212SS316TW	136.81
3"	3SS316TW	107.84
4"	4SS316TW	161.74

Welding Caps
Type 316L

SIZE	STOCK NO	EACH
¾"	34SS316CAPW	39.08
1"	1SS316CAPW	44.48
1¼"	114SS316CAPW	82.90
1½"	112SS316CAPW	57.29
2"	2SS316CAPW	39.77
2½"	212SS316CAPW	70.77
3"	3SS316CAPW	51.89
4"	4SS316CAPW	74.82

S/O Flange
Type 316L

SIZE	STOCK NO	EACH
¾"	34SS316SOF	77.17
1"	1SS316SOF	87.63
1¼"	114SS316SOF	111.16
1½"	112SS316SOF	111.16
2"	2SS316SOF	139.94
2½"	212SS316SOF	200.10
3"	3SS316SOF	222.33
4"	4SS316SOF	306.03

Screwed Flange
Type 316L

SIZE	STOCK NO	EACH
¾"	34SS316SCF	95.47
1"	1SS316SCF	102.01
1¼"	114SS316SCF	136.01
1½"	112SS316SCF	136.01
2"	2SS316SCF	168.71
3"	3SS316SCF	265.49
4"	4SS316SCF	366.19

Blind Flange
Type 316L

SIZE	STOCK NO	EACH
¾"	34SS316BLF	79.77
1"	1SS316BLF	91.54
1¼"	114SS316BLF	111.16
1½"	112SS316BLF	111.16
2"	2SS316BLF	147.78
3"	3SS316BLF	238.02
4"	4SS316BLF	353.11

Stainless Steel Pipe and Fittings (46)

150# Threaded 316

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Threaded 90°Elbows

150#

SIZE	STOCK NO	EACH
½"	12SS316L	9.60
¾"	34SS316L	14.23
1"	1SS316L	18.08
1¼"	114SS316L	30.65
1½"	112SS316L	39.72
2"	2SS316L	51.08



Threaded 45°Elbows

150#

SIZE	STOCK NO	EACH
¾"	34SS31645L	15.70
1"	1SS31645L	19.67
1¼"	114SS31645L	29.69
1½"	112SS31645L	35.98
2"	2SS31645L	49.73



Threaded Tees

150#

SIZE	STOCK NO	EACH
½"	12SS316T	12.43
¾"	34SS316T	18.35
1"	1SS316T	22.90
1¼"	114SS316T	46.36
1½"	112SS316T	56.24
2"	2SS316T	71.91



Threaded Couplings

150#

SIZE	STOCK NO	EACH
½"	12SS316C	7.17
¾"	34SS316C	10.31
1"	1SS316C	15.20
1¼"	114SS316C	24.17
1½"	112SS316C	28.71
2"	2SS316C	39.66



Half Couplings

Type 316L

SIZE	STOCK NO	EACH
¼"	14SS316HC	2.73
⅜"	38SS316HC	3.17
½"	12SS316HC	4.63
¾"	34SS316HC	5.82
1"	1SS316HC	8.80
1¼"	114SS316HC	13.32
1½"	112SS316HC	17.35
2"	2SS316HC	22.49



Threaded Round Cap

150#

SIZE	STOCK NO	EACH
½"	12SS316CAP	6.59
¾"	34SS316CAP	7.56
1"	1SS316CAP	11.38
1¼"	114SS316CAP	22.13
1½"	112SS316CAP	28.38
2"	2SS316CAP	36.33



Threaded Square Head Plugs

150#

SIZE	STOCK NO	EACH
½"	12SS316SHP	6.51
¾"	34SS316SHP	8.17
1"	1SS316SHP	13.01
1¼"	114SS316SHP	22.23
1½"	112SS316SHP	26.31
2"	2SS316SHP	37.96



Threaded Unions

150#

SIZE	STOCK NO	EACH
½"	12SS316U	24.39
¾"	34SS316U	29.78
1"	1SS316U	46.09
1¼"	114SS316U	78.49
1½"	112SS316U	87.72
2"	2SS316U	104.61

Threaded Bushings

150#

SIZE	STOCK NO	EACH
¾ x ½"	34X12SS316B	8.18
1 x ¾"	1X34SS316B	11.95
1 x ½"	1X12SS316B	11.68
1¼ x 1"	114X1SS316B	23.14
1¼ x ¾"	114X34SS316B	23.37
1¼ x ½"	114X12SS316B	23.37
1½ x 1¼"	112X114SS316B	27.62
1½ x 1"	112X1SS316B	27.36
1½ x ¾"	112X34SS316B	27.62
1½ x ½"	112X12SS316B	27.62
2 x 1½"	2X112SS316B	38.85
2 x 1¼"	2X114SS316B	39.23
2 x 1"	2X1SS316B	38.85
2 x ¾"	2X34SS316B	38.85



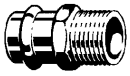
Nipples

SIZE	STOCK NO	EACH
½" IPS		
Close	12XCSS316N	4.23
1½"	12X112SS316N	5.35
2"	12X2SS316N	6.55
2½"	12X212SS316N	8.07
3"	12X3SS316N	9.25
3½"	12X312SS316N	10.77
4"	12X4SS316N	12.00
4½"	12X412SS316N	13.57
5"	12X5SS316N	14.80
5½"	12X512SS316N	16.47
6"	12X6SS316N	17.46
¾" IPS		
Close	34XCSS316N	5.68
1½"	34X112SS316N	6.18
2"	34X2SS316N	7.41
2½"	34X212SS316N	9.05
3"	34X3SS316N	10.45
4"	34X4SS316N	13.54
4½"	34X412SS316N	15.43
5"	34X5SS316N	16.88
6"	34X6SS316N	19.71
1" IPS		
Close	1XCSS316N	7.88
2"	1X2SS316N	10.10
2½"	1X212SS316N	12.11
3"	1X3SS316N	14.03
3½"	1X312SS316N	16.38
4"	1X4SS316N	18.23
4½"	1X412SS316N	20.79
5½"	1X512SS316N	23.94
6"	1X6SS316N	25.99
1¼" IPS		
Close	114XCSS316N	10.89
2"	114X2SS316N	13.05
3"	114X3SS316N	18.41
3½"	114X312SS316N	21.18
5"	114X5SS316N	28.15
6"	114X6SS316N	33.43
1½" IPS		
Close	112XCSS316N	13.45
2"	112X2SS316N	15.00
2½"	112X212SS316N	18.27
3"	112X3SS316N	21.37
3½"	112X312SS316N	23.68
4"	112X4SS316N	26.80
4½"	112X412SS316N	29.92
5"	112X5SS316N	33.03
5½"	112X512SS316N	36.15
6"	112X6SS316N	39.27
2" IPS		
Close	2XCSS316N	20.57
2½"	2X212SS316N	22.98
3"	2X3SS316N	26.84
3½"	2X312SS316N	30.94
4"	2X4SS316N	35.06
6"	2X6SS316N	51.52

Stainless Steel Tube

SIZE	STOCK NO	EACH
Type 316		
½" x 20'	12X20SSP316	257.47
¾" x 20'	34X20SSP316	324.72
1" x 20'	1X20SSP316	403.50
1½" x 20'	112X20SSP316	576.57
2" x 20'	2X20SSP316	739.91
3" x 20'	3X20SSP316	1144.68
4" x 20'	4X20SSP316	1509.62
Type ECO		
1" x 20'	1X20SSPECO	186.53
2" x 20'	2X20SSPECO	340.61

Press x Male Adapter



SIZE	STOCK NO	EACH
Type 304		
¾"	34SSPMA	62.53
1¼"	114SSPMA	116.88
1½"	112SSPMA	153.69

Press x Female Adapter



SIZE	STOCK NO	EACH
Type 304		
½"	12SSPFA	79.07
1"	1SSPFA	104.29
1¼"	114SSPFA	173.41
1½"	112SSPFA	202.38

Press Cap



SIZE	STOCK NO	EACH
Type 304		
½"	12SSPCAP	51.61
¾"	34SSPCAP	68.66
1"	1SSPCAP	85.08
1¼"	114SSPCAP	135.38
2"	2SSPCAP	187.59
Type 304 - XL		
3"	3SSPCAP	382.92

Press 90° Elbow



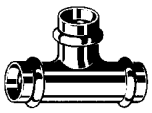
SIZE	STOCK NO	EACH
Type 304		
¾"	34SSPL	74.59
1¼"	114SSPL	130.73
1½"	112SSPL	157.57
Type 304 - XL		
4"	4SSPL	640.93

Press 45° Elbow



SIZE	STOCK NO	EACH
Type 304		
¾"	34SSP45L	74.59
1¼"	114SSP45L	138.56
1½"	112SSP45L	157.57
2"	2SSP45L	213.90
Type 304 - XL		
3"	3SSP45L	420.11
4"	4SSP45L	591.85

Press Tee

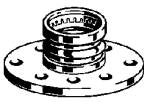


SIZE	STOCK NO	EACH
Type 304		
½"	12SSPT	139.87
¾"	34SSPT	155.11
1"	1SSPT	166.03
1¼"	114SSPT	205.02
1½"	112SSPT	198.97
2"	2SSPT	265.44
Type 304 - Reducing		
1 x ½"	1X12SSPT	171.76
1 x ¾"	1X34SSPT	169.90
1¼ x ½"	114X12SSPT	188.21
1¼ x ¾"	114X34SSPT	190.31
1¼ x 1"	114X1SSPT	191.02
1½ x ½"	112X12SSPT	209.09
1½ x 1"	112X1SSPT	208.29
2 x ½"	2X12SSPT	267.42
2 x ¾"	2X34SSPT	263.94
2 x 1½"	2X112SSPT	308.22
Type 304 - XL - Reducing		
4 x 3"	4X3SSPT	1035.97

Press x Female Tee

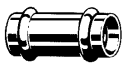
SIZE	STOCK NO	EACH
Type 304		
¾ x ½"	34X12SSPFT	210.91
1¼ x ½"	114X12SSPFT	256.42
1¼ x ¾"	114X34SSPFT	258.88
1¼ x 1"	114X1SSPFT	282.99
1½ x ½"	112X12SSPFT	284.92

Press Adapter Flange



SIZE	STOCK NO	EACH
Type 304		
1"	1SSPFL	301.04
1½"	112SSPFL	342.63
2"	2SSPFL	358.07
Type 304 - XL		
4"	4SSPFL	902.92

Press Coupling



SIZE	STOCK NO	EACH
Type 304		
½"	12SSPC	35.38
¾"	34SSPC	36.50
1"	1SSPC	40.77
1¼"	114SSPC	54.32
1½"	112SSPC	60.95
2"	2SSPC	77.64
Type 304 - XL		
3"	3SSPC	337.80
4"	4SSPC	443.79

Press "Repair" Coupling

SIZE	STOCK NO	EACH
Type 304 - XL		
3"	3SSPRC	517.48
4"	4SSPRC	620.72

Fitting x Press Reducer



FITTING X PRESS	STOCK NO	EACH
Type 304		
1 x ½"	1X12SSPFR	142.63
1¼ x ½"	114X12SSPFR	170.78
1½ x 1"	112X1SSPFR	132.00
2 x ½"	2X12SSPFR	212.22
2 x ¾"	2X34SSPFR	185.37
Type 304 • XL		
3 x 2"	3X2SSPFR	279.29
4 x 2"	4X2SSPFR	371.35

Press Union



SIZE	STOCK NO	EACH
Type 304		
¾"	34SSPU	224.82
1"	1SSPU	275.04
1¼"	114SSPU	417.90
2"	2SSPU	567.59

Stainless Steel MegaPress Fittings (47S)

viega.net

Viega MegaPress System

- Suitable for use with Schedule 10 through Schedule 40 pipe
- MegaPress Stainless fittings featured in 304
- Includes patented Viega Smart Connect feature
- Reduces cleanup and callbacks



MegaPress 90° Elbow

Type 304

SIZE	STOCK NO	EACH
½"	12MESSPL	114.60
¾"	34MESSPL	132.76
1"	1MESSPL	161.20
1½"	112MESSPL	268.58
2"	2MESSPL	340.65



MegaPress 45° Elbow

Type 304

SIZE	STOCK NO	EACH
½"	12MESSP45L	114.60
¾"	34MESSP45L	132.76
1"	1MESSP45L	161.20
1½"	112MESSP45L	268.58
2"	2MESSP45L	340.65



MegaPress Flange

Type 304

SIZE	STOCK NO	EACH
¾"	34MESSPFLG	249.55
1"	1MESSPFLG	314.35
1½"	112MESSPFLG	417.92
2"	2MESSPFLG	474.11



MegaPress Tee

Type 304

SIZE	STOCK NO	EACH
½"	12MESSPT	234.82
¾"	34MESSPT	262.66
1"	1MESSPT	306.18
1½"	112MESSPT	432.95
2"	2MESSPT	511.66
Reducing Tees		
¾ x ¾ x ½"	34X12MESSPT	283.53
1 x 1 x ½"	1X12MESSPT	332.59
1 x 1 x ¾"	1X34MESSPT	332.59
1½ x 1½ x ½"	112X12MESSPT	388.79
1½ x 1½ x ¾"	112X34MESSPT	466.53
1½ x 1½ x 1"	112X1MESSPT	484.74
2 x 2 x ½"	2X12MESSPT	556.17
2 x 2 x ¾"	2X34MESSPT	556.17
2 x 2 x 1"	2X1MESSPT	596.44
2 x 2 x 1½"	2X112MESSPT	596.44



MegaPress Male Adapter

Type 304

SIZE	STOCK NO	EACH
½"	12MESSPMA	81.74
¾ x ½"	34X12MESSPMA	92.07
¾"	34MESSPMA	92.07
1"	1MESSPMA	108.76
1½"	112MESSPMA	184.21
2"	2MESSPMA	228.11



MegaPress Female Adapter

Type 304

SIZE	STOCK NO	EACH
½"	12MESSPFA	106.29
¾"	34MESSPFA	119.66
1"	1MESSPFA	141.36
1½"	112MESSPFA	239.45
2"	2MESSPFA	282.43



MegaPress Cap

Type 304

SIZE	STOCK NO	EACH
½"	12MESSPCAP	58.64
¾"	34MESSPCAP	69.21
1"	1MESSPCAP	93.42
1½"	112MESSPCAP	163.62
2"	2MESSPCAP	193.37



MegaPress Union

Type 304

SIZE	STOCK NO	EACH
½"	12MESSPU	322.19
¾"	34MESSPU	371.09
1"	1MESSPU	453.98
1½"	112MESSPU	751.80
2"	2MESSPU	945.90



MegaPress Coupling

Type 304

SIZE	STOCK NO	EACH
½"	12MESSPC	54.54
¾"	34MESSPC	67.58
1"	1MESSPC	85.79
1½"	112MESSPC	110.65
2"	2MESSPC	139.44
MegaPress Reducing Coupling		
¾ x ½"	34X12MESSPC	144.42
1 x ¾"	1X34MESSPC	171.68
1½ x 1"	112X1MESSPC	230.27
2 x 1½"	2X112MESSPC	256.01

Zero Lead Bronze MegaPress Fittings (47M)

NEW ITEM



MegaPress Bronze IPS Transition Coupling

Compatible with Schedule 10 to Schedule 40 IPS-sized iron pipe conforming to ASTM A53, A106, A135, A795 or IPS-sized stainless pipe conforming to ASTM A312.

SIZE	STOCK NO	EACH
Press x Press		
½"	ME12PRTC	82.54
¾"	ME34PRTC	94.35
1"	ME1PRTC	126.17
1¼"	ME114PRTC	170.64
1½"	ME112PRTC	226.98
2"	ME2PRTC	309.39

NEW ITEM



MegaPress Bronze IPS to CTS Transition Coupling

The IPS side of the transition coupling must be used with ASTM A53, A106, A135, or A795 Schedule 10 to Schedule 40 iron pipe. The CTS street side of the transition coupling must be used with a Viega ProPress copper or stainless fittings to transition to copper, PEX, or stainless steel.

SIZE	STOCK NO	EACH
Press x Fitting		
½"	ME12PRTFC	59.56
¾"	ME34PRTFC	69.20
1"	ME1PRTFC	101.87
1¼"	ME114PRTFC	139.73
1½"	ME112PRTFC	189.05
2"	ME2PRTFC	257.67



Stainless Steel Tubing

316 seamless - 20' Lengths

SIZE	STOCK NO	PER FOOT
¼ OD x 035W"	14X035ST316	3.94
⅜ OD x 035W"	38X035ST316	5.49
½ OD x 035W"	12X035ST316	6.84
½ OD x 049W"	12X049ST316	8.91
¾ OD x 049W"	34X049ST316	13.28



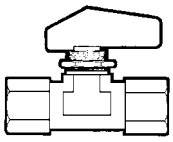
Standard Nut

O.D.	STOCK NO	EACH
STAINLESS STEEL		
½"	SSDN8	12.06



Collet Set 10 per Package

O.D.	STOCK NO	EACH
BRASS		
¼"	BDCSET410	27.23
STAINLESS STEEL		
⅜"	SSDCSET610	70.92



Ty-Flo 1 pc. Brass Ball Valve w/CBC-LOK Ends

Temperature Range -300° F to 300°F

MAX. 3000 P.S.I.

O.D. x O.D.	STOCK NO	EACH
¼ x ¼"	B4DTT44K	130.24



Male Elbow

O.D. x NPT	STOCK NO	EACH
STAINLESS STEEL		
¼ x ⅛"	SS4DME2	33.62
¼ x ¼"	SS4DME4	36.11
⅜ x ¼"	SS6DME4	45.04



Union Elbow

O.D. x O.D.	STOCK NO	EACH
BRASS		
¼ x ¼"	B4DELU4	20.06
STAINLESS STEEL		
¼ x ¼"	SS4DELU4	42.51
⅜ x ⅜"	SS6DELU6	52.12
½ x ½"	SS8DELU8	85.75
¾ x ¾"	SS12DELU12	151.59



Union Tee

STAINLESS STEEL

O.D. x O.D. x O.D.	STOCK NO	EACH
¼ x ¼ x ¼"	SS4DTTT4	59.68
⅜ x ⅜ x ⅜"	SS6DTTT6	77.29
½ x ½ x ½"	SS8DTTT8	118.89



Male Connector

O.D. x NPT	STOCK NO	EACH
BRASS		
¼ x ¼"	B4DMC4	8.92
½ x ⅜"	B8DMC6	18.60
½ x ½"	B8DMC8	20.56
STAINLESS STEEL		
¼ x ⅛"	SS4DMC2	18.06
¼ x ¼"	SS4DMC4	18.97
⅜ x ⅜"	SS6DMC6	29.27
⅜ x ½"	SS6DMC8	35.19
½ x ¼"	SS8DMC4	37.72
½ x ½"	SS8DMC8	43.46
¾ x ¾"	SS12DMC12	66.54



Female Connector

O.D. x NPT	STOCK NO	EACH
BRASS		
⅜ x ¼"	B6DFC4	18.13
½ x ½"	B8DFC8	28.98



Union

O.D. x O.D.	STOCK NO	EACH
BRASS		
⅜ x ⅜"	B6DU	19.79
STAINLESS STEEL		
¼ x ¼"	SS4DU	29.50
⅜ x ⅜"	SS6DU	41.84
½ x ½"	SS8DU	62.21
¾ x ¾"	SS12DU	101.28

Stainless Steel Grooved Fittings (09)

victaulic.com



Series 461
Vic-300 MasterSeal™
Stainless Steel Butterfly Valve

- EPDM Seat
- Pressure Rating: 300psi/2100kPa/21bar
- Full working pressure for bi-directional, dead end services.
- 10 Position Handle

SIZE	STOCK NO	EACH
3"	V030461XE2	5043.14
4"	V040461XE2	6020.69
6"	V060461XE2	11321.09



Series 861
Vic-300 MasterSeal™
Stainless Steel Butterfly Valve

FOR POTABLE WATER APPLICATIONS

- FKM Seat
- Pressure Rating: 300psi/2100kPa/21bar
- Operating temperature: +0˚F to +180˚F
- Full working pressure for bi-directional, dead end services.
- 10 Position Handle (Gear Operator for 8")

SIZE	STOCK NO	EACH
2"	V020861XP2	3922.79
2½"	V024861XP2	4832.10
3"	V030861XP2	5043.14
4"	V040861XP2	6020.69
6"	V060861XP2	11321.09
8" (Gear Operator)	V080861XP3	17820.58



Style 889
Ridgid Coupling

For use on stainless steel potable water piping systems only

- Utilizes Grade P gasket material for improved resistance to typical potable water disinfectants
- Pressures up to 750 psi | 5171 kPa | 52 bar
- Operating temperature: +0˚F to +180˚F
- Provides a rigid pipe joint designed to restrict axial or angular movement

SIZE	STOCK NO	EACH
8"	8V889	1636.94



No. 410
90° Elbow

Schedule 10 Type 304 stainless steel

SIZE	STOCK NO	EACH
2"	2V410	565.95
2½"	212V410	765.45
3"	3V410	739.21
4"	4V410	1052.10
6"	6V410	2762.55



No. 411
45° Elbow

Schedule 10 Type 304 stainless steel

SIZE	STOCK NO	EACH
2"	2V411	505.05
2½"	212V411	662.55
3"	3V411	681.45
4"	4V411	971.24
6"	6V411	1825.94



No. 420 Tee

Schedule 10 Type 304 stainless steel

SIZE	STOCK NO	EACH
2"	2V420	1494.15
2½"	212V420	1821.74
3"	3V420	1885.80
4"	4V420	2019.15
6"	6V420	3921.75



No. 425
Reducer Tee

Schedule 10 Type 304 stainless steel

SIZE	STOCK NO	EACH
3x3x2"	3X2V425	2332.04
3x3x2½"	3X212V425	2246.99
4x4x2"	4X2V425	2641.80
4x4x2½"	4X212V425	2813.99
4x4x3"	4X3V425	3101.69
6x6x2½"	6X212V425	3975.29
6x6x3"	6X3V425	3996.30
6x6x4"	6X4V425	4950.75



No. 450
Concentric Reducer

Schedule 10 Type 304 stainless steel

SIZE	STOCK NO	EACH
4x2"	4X2V450	879.90
4x2½"	4X212V450	1204.35
4x3"	4X3V450	627.90
6x2½"	6X212V450	10085.24
6x3"	6X3V450	2019.15
6x4"	6X4V450	1535.10



Mechanical T Style 422

Rated at 300 psi. Bar working pressure on Schedule 10S and 40S stainless steel pipe. They may also be used on high density polyethylene (HDPE) pipe. Pressure ratings on HDPE are dependent on the pipe rating.

SIZE	STOCK NO	EACH
Type 316		
4x2"	4X2V422	1213.80
4x3"	4X3V422	1207.49
6x2"	6X2V422	1654.80
6x3"	6X3V422	1589.69



807N Quickvic™
Installation-Ready™
Ridgid Coupling

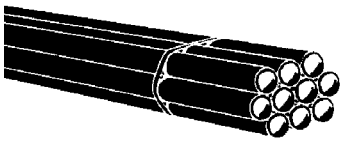
- For use on stainless steel and galvanized carbon steel potable water piping systems only
- Utilizes Grade P gasket material for improved resistance to typical potable water disinfectants
- Pressures up to 750 psi, 5171 kPa, 52 bar
- Operating temperature: +0˚F to +180˚F
- Provides a rigid pipe joint designed to restrict axial or angular movement

SIZE	STOCK NO	EACH
2"	2V807N	230.85
2½"	212V807N	260.55
3"	3V807N	301.73
4"	4V807N	416.48
6"	6V807N	701.33
8"	8V807N	1106.33

Victaulic®

ABS DWV Pipe and Fittings (08)

muellerindustries.com



(08a)

ABS-DWV Foamcore Pipe

PIPE SIZE	STOCK NO	PER FOOT
1½ x 20	112X20AB	1.92
2 x 20	2X20AB	2.61
3 x 20	3X20AB	5.33
4 x 20	4X20AB	7.91
6 x 20	6X20AB	23.05
1½ x 10	112X10AB	2.03
2 x 10	2X10AB	2.77
3 x 10	3X10AB	5.67
4 x 10	4X10AB	8.41

cresline.com



(08)

90° Elbow

SIZE	STOCK NO	EACH
1½"	112ABL	4.47
2"	2ABL	6.87
3"	3ABL	17.31
4"	4ABL	35.52
6"	6ABL	151.45



Closet Bend

SIZE	STOCK NO	EACH
4X3"	4X3ABL	26.74



Long Sweep 90° Elbow

SIZE	STOCK NO	EACH
1½"	112ABLRL	7.92
2"	2ABLRL	9.62
3"	3ABLRL	23.55
4"	4ABLRL	40.22



90° Low Heel

SIZE	STOCK NO	EACH
3x3x2"	3X2ABLHL	29.10



90° Vent Elbow

SIZE	STOCK NO	EACH
1½"	112ABVL	7.99
2"	2ABVL	13.24
3"	3ABVL	32.83



Street ¼ Bends

SIZE	STOCK NO	EACH
1½"	112ABSL	5.73
2"	2ABSL	9.62
3"	3ABSL	21.11
4"	4ABSL	42.24



Closet Bend

SIZE	STOCK NO	EACH
4x3"	4X3ABSL	46.88



60° Elbow HubxHub

SIZE	STOCK NO	EACH
1½"	112AB60L	7.87
2"	2AB60L	11.17
3"	3AB60L	35.88
4"	4AB60L	54.16



45° Elbow Hub x Hub

SIZE	STOCK NO	EACH
1½"	112AB45L	4.10
2"	2AB45L	6.32
3"	3AB45L	15.16
4"	4AB45L	28.47
6"	6AB45L	126.76



45° Street Elbow

SIZE	STOCK NO	EACH
1½"	112ABS45L	5.10
2"	2ABS45L	6.76
3"	3ABS45L	16.71
4"	4ABS45L	28.95
6"	6ABS45L	158.90



22½° Elbow Hub x Hub

SIZE	STOCK NO	EACH
1½"	112AB22L	5.96
2"	2AB22L	6.80
3"	3AB22L	17.47
4"	4AB22L	26.58

22½° Street Elbow

SIZE	STOCK NO	EACH
1½"	112ABS22L	16.97
2"	2ABS22L	15.34
3"	3ABS22L	26.02
4"	4ABS22L	45.43



Sanitary Tee

SIZE	STOCK NO	EACH
1½"	112ABST	6.61
2"	2ABST	10.17
3"	3ABST	27.65
4"	4ABST	49.17
6"	6ABST	245.26
2x2x1½"	2X112ABST	8.85
2x1½ x2"	2X112X2ABST	10.18
2x1½ x1½"	2X112X112ABST	9.06
3x3x2"	3X2ABST	22.02
3x3x1½"	3X112ABST	19.04
4x4x2"	4X2ABST	52.81
4x3"	4X3ABST	54.08



Side Inlet Sanitary Tee

SIZE	STOCK NO	EACH
3x3x3x1½"	3X112ABLSIT	65.27
3x2	3X2ABLSIT	62.88



Double Sanitary Tee

SIZE	STOCK NO	EACH
1½"	112ABSX	18.82
2"	2ABSX	25.00
2x2x1½ x1½"	2X112ABSX	17.86
3"	3ABSX	65.46
3x3x2x2"	3X2ABSX	47.58
3x3x1½ x1½"	3X112ABSX	77.18
4"	4ABSX	123.62



Cleanout Tee

SIZE	STOCK NO	EACH
1½"	112ABCOT	15.72
2"	2ABCOT	17.24
3"	3ABCOT	32.27
4"	4ABCOT	70.30



Sanitary Fixture Tee

SIZE	STOCK NO	EACH
3x2"	3X2ABRSIT	62.88

ABS DWV Pipe and Fittings (08)

muellerindustries.com

45° Wye



SIZE	STOCK NO	EACH
1½"	112ABY	11.94
2"	2ABY	14.30
3"	3ABY	30.74
4"	4ABY	62.51
6"	6ABY	188.07
2x2x1½"	2X112ABY	16.24
2x1½ x1½"	2X112X112ABY	19.11
3x3x1½"	3X112ABY	29.59
3x3x2"	3X2ABY	21.59
4x4x3"	4X3ABY	53.96
4x4x2"	4X2ABY	39.89
6x4x4"	6X4ABY	170.12

Double 45° Wye



SIZE	STOCK NO	EACH
1½"	112ABDY	33.59
3x3x2x2	3X2ABDY	62.77

Combination Wye and ⅛ Bends or Long Turn Tee Wyes



SIZE	STOCK NO	EACH
1½"	112ABLTY	17.14
2"	2ABLTY	17.47
3"	3ABLTY	41.45
4"	4ABLTY	86.67
2x2x1½"	2X2X112ABLTY	19.09
3x3x2"	3X3X2ABLTY	26.93
4x4x2"	4X4X2ABLTY	48.51
4x4x3"	4X4X3ABLTY	62.25

Tee • Double Fixture



SIZE	STOCK NO	EACH
2"	2ABFT	38.22
3"	3ABFT	88.36

Wye • Double Fixture



SIZE	STOCK NO	EACH
2x2x1½ x1½"	2X112X112ABFT	29.51

Coupling



SIZE	STOCK NO	EACH
1½"	112ABC	2.30
2"	2ABC	2.89
3"	3ABC	8.65
4"	4ABC	14.42
2 x 1½ "	2X112ABC	6.14
3 x 1½ "	3X112ABC	18.21
3 x 2"	3X2ABC	14.58
4 x 2"	4X2ABC	30.37
4 x 3"	4X3ABC	27.21
6"	6ABC	60.47

Repair Coupling



SIZE	STOCK NO	EACH
1½"	112ABRC	15.23
2"	2ABRC	8.11
3"	3ABRC	20.17

Bushing



SIZE	STOCK NO	EACH
2 x 1½"	2X112ABB	3.49
3 x 1½"	3X112ABB	15.34
3 x 2"	3X2ABB	9.61
4 x 2"	4X2ABB	28.50
4 x 3"	4X3ABB	15.10
6 x 4"	6X4ABB	80.06

Male Adapter



SIZE	STOCK NO	EACH
1½" x 1½"	112ABMA	3.35
2 x 2"	2ABMA	5.86
3 x 3"	3ABMA	15.72
4 x 4"	4ABMA	31.89

Female Adapter



SIZE	STOCK NO	EACH
1½"	112ABFA	3.94
2"	2ABFA	6.21
3"	3ABFA	16.62
4"	4ABFA	18.99

Fitting Adapter Clean Out



SIZE	STOCK NO	EACH
1½"	112ABCOA	4.85
2"	2ABCOA	6.70
3"	3ABCOA	16.90
4"	4ABCOA	31.67

(18)

ABS Flush Fit Cleanout Adapter



SSIZE	STOCK NO	EACH
3"	SC8753A	16.04
4"	SC8754A	20.59

Male Trap Adapter



SIZE	STOCK NO	EACH
1½"	112ABMTA	6.35

Female Trap Adapter



SIZE	STOCK NO	EACH
1½"	112ABFTA	5.97
1½" x 1¼"	112X114ABFTA	7.85

Slip Cap



SIZE	STOCK NO	EACH
1½"	112ABCAP	7.63
2"	2ABCAP	10.55
3"	3ABCAP	21.80
4"	4ABCAP	21.33

Plugs



SIZE	STOCK NO	EACH
1½"	112ABP	3.27
2"	2ABP	3.56
3"	3ABP	5.80
3½"	312ABP	23.66
4"	4ABP	10.07

ABS DWV Pipe and Fittings (08)

muellerindustries.com



(18)
Floor Drain

SIZE	STOCK NO	EACH
2"	SC800A	32.56

(21)
Replacement Cover for SC800A

STOCK NO	EACH
SC801A2	7.48

(18)
Multi-Purpose Floor Drain



Designed for 2x3" solvent weld connection, fits over 2" or inside 3" schedule 40 DWV pipe or street elbow.

BODY	STOCK NO	EACH
ABS	8412A	19.74



(02)
Backwater Device

2" MIP Body.

SIZE	STOCK NO	EACH
2" MIP	SC8027	9.22



(18)
45° Closet Flange

SIZE	STOCK NO	EACH
3"	SC88945AM	24.15



(18)
ABS Backwater Valve

SIZE	STOCK NO	EACH
3"	SC869S3A	54.65
With Sleeve		
3"	SC869S3AS	94.31



Adjustable "P" Trap

SIZE	STOCK NO	EACH
1½"	112ABPTW	20.68
2"	2ABPTW	37.82



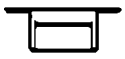
Hub "P" Trap

SIZE	STOCK NO	EACH
1½"	112ABPT	15.38
2"	2ABPT	18.66
3"	3ABPT	80.13



SJ x Hub "P" Trap

SIZE	STOCK NO	EACH
1½"	112ABLAT	39.65



A811 Closet Flange Hub x Flange

SIZE	STOCK NO	EACH
4x3"	4X3ABCF	42.31



A812 Adjustable Closet Flange, Spigot

SIZE	STOCK NO	EACH
4x3"	4X3ABSCF	46.19
4x4"	4ABSCF	49.92



A800S Closet Ring Non-Adjustable

SIZE	STOCK NO	EACH
4x3"	4X3ABICF	18.03



A800KO Pop-Top Closet Flange

SIZE	STOCK NO	EACH
4x3"	4X3ABPCF	21.85



(18)
Flush Fit Closet Flange

STOCK NO	EACH
ABFFCLFL	5.22



(18)
Flush Fit C/O Flange

With knock out stainless steel ring.

STOCK NO	EACH
SC884ATM	10.80

ABS/Transition Cements (18b)

ipscorp.com



No. 773 Cement for ABS Pipe and Fittings

Medium-bodied black low VOC cement recommended for use on ABS pipe and fittings, all classes, all schedules up to 8 inches in diameter.
NSF and UPC Listed.

SIZE	STOCK NO	EACH
4 oz.	14PTABCE	11.85
8 oz.	12PTABCE	16.27
Pint	PTABCE	25.03
Quart	QTABCE	44.87



No. 771 Milky-ClearCement for ABS Pipe and Fittings

Medium-bodied milky clear cement recommended for use on ABS pipe and fittings , all classes, all schedules up to 8 inches in diameter.
NSF and UPC Listed.

SIZE	STOCK NO	EACH
Pint	PTMIABCE	33.03
Quart	QTMIABCE	54.28



No. C-65 All Purpose Cleaner for PVC, CPVC, ABS & Styrene Pipe and Fittings

A fast-acting clear cleaner recommended for use on ABS, PVC and CPVC pipe and fittings, all schedules and all diameters. Removes surface dirt, grease and grime. Unlimited shelf life.

SIZE	STOCK NO	EACH
4 oz.	14PTPVPR	11.89
8 oz.	12PTPVPR	17.98
Pint	PTPVPR	27.73
Quart	QTPVPR	40.80
Gallon	GAPVPR	145.99



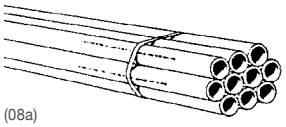
No. 794 ABS to PVC Transition Cement

Medium-bodied fast setting cement for all classes and schedules through 6" diameter interference fit
NOT FOR SCHEDULE 80

SIZE	STOCK NO	EACH
Pint	PTGRTRCE	44.51

PVC DWV Pipe and Fittings (08)

muellerindustries.com



(08a)

ASTM D-2665/D-1785 Dual Marked PVC/DWV

Schedule 40 Plain End

PIPE SIZE	STOCK NO	PER FOOT
10' Lengths		
1½" x 10'	112X10PV	1.10
2" x 10'	2X10PV	1.48
3" x 10'	3X10PV	2.96
4" x 10'	4X10PV	4.01
6" x 10'	6X10PV	7.56
8" x 10'	8X10PV	11.79
20' Lengths		
1¼" x 20'	114X20PV	.93
1½" x 20'	112X20PV	1.10
2" x 20'	2X20PV	1.48
3" x 20'	3X20PV	2.96
4" x 20'	4X20PV	4.01
6" x 20'	6X20PV	7.56
8" x 20'	8X20PV	11.79
10" x 20'	100X20PV	16.61
12" x 20'	120X20PV	21.99
16" x 20'	16X20PV	42.71

(08a)

ASTM D-1785 PVC Pipe

Schedule 40 • Super Belled One End

PIPE SIZE	STOCK NO	PER FOOT
14" x 20'	14X20PVSBE	77.12
16" x 20'	16X20PVSBE	44.98

(08a)

PVC-DWV Foam Core Pipe

PIPE SIZE	STOCK NO	PER FOOT
10' Lengths		
1½ x 10	112X10PVFC	.85
2 x 10	2X10PVFC	1.13
3 x 10	3X10PVFC	2.13
4 x 10	4X10PVFC	3.07
20' Lengths		
1½ x 20	112X20PVFC	.85
2 x 20	2X20PVFC	1.13
3 x 20	3X20PVFC	2.13
4 x 20	4X20PVFC	3.07
6 x 20	6X20PVFC	5.70
8 x 20	8X20PVFC	8.66

(00b)

Schedule 40 Insulated PVC Pipe



SIZE	STOCK NO	EACH FT
2"	2X10INSPV	26.34
4"	4X10INSPV	37.07

(8a)

PVC/DWV Foam Core

Belled One End

PIPE SIZE	STOCK NO	PER FOOT
4"X10'	4X10PVFCBE	3.41

cresline.com



(18)

DWV Ground Stake

STOCK NO	EACH
SC53514	4.17

90° Elbow



SIZE	STOCK NO	EACH
1½"	112PVDL	2.54
2"	2PVDL	4.01
3"	3PVDL	11.79
4"	4PVDL	23.27
4x3"	4X3PVDL	18.95
6"	6PVDL	126.10
8"	8PVDL	161.18
10"	10PVDL	533.68
12"	12PVDL	821.95
14"	14PVDL	1384.97
16"	16PVDL	1901.60

Long Sweep 90° Elbow



SIZE	STOCK NO	EACH
1½"	112PVDLRL	5.89
2"	2PVDLRL	6.58
3"	3PVDLRL	15.15
4"	4PVDLRL	28.59
6"	6PVDLRL	161.00

Low Heel 90° Elbow



SIZE	STOCK NO	EACH
3X2"	3X2PVDLHL	20.29

90°Vent Elbow.68



SIZE	STOCK NO	EACH
1½"	112PVDVL	5.24
2"	2PVDVL	6.79
3"	3PVDVL	17.60

90° Street Elbow

HubxStreet



SIZE	STOCK NO	EACH
1½"	112PVDSL	3.28
2"	2PVDSL	5.05
3"	3PVDSL	14.06
4"	4PVDSL	23.52
4x3"	4X3PVDSL	36.91
6"	6PVDSL	162.65
8"	8PVDSL	312.17

90°Long Turn Street Elbow



SIZE	STOCK NO	EACH
1½"	112PVDLSL	9.04
2"	2PVDLSL	10.83
3"	3PVDLSL	26.94
4"	4PVDLSL	41.49

60° Elbow

HubxHub



SIZE	STOCK NO	EACH
1½"	112PVD60L	5.93
2"	2PVD60L	6.90
3"	3PVD60L	25.44
4"	4PVD60L	33.91

45° Elbow

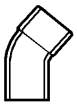
Hub x Hub



SIZE	STOCK NO	EACH
1½"	112PVD45L	2.49
2"	2PVD45L	3.71
3"	3PVD45L	10.56
4"	4PVD45L	19.32
6"	6PVD45L	62.10
8"	8PVD45L	143.13
10"	10PVD45L	407.39
12"	12PVD45L	616.60
14"	14PVD45L	1196.55
16"	16PVD45L	1294.10

45° Street Elbow

SpigotxHub



SIZE	STOCK NO	EACH
1½"	112PVDS45L	2.38
2"	2PVDS45L	3.79
3"	3PVDS45L	10.01
4"	4PVDS45L	17.15
6"	6PVDS45L	45.21
8"	8PVDS45L	155.34
10"	10PVDS45L	406.84
12"	12PVDS45L	623.40
16"	16PVDS45L	1294.10

22½° Elbow

HubxHub



SIZE	STOCK NO	EACH
1½"	112PVD22L	3.53
2"	2PVD22L	4.19
3"	3PVD22L	10.33
4"	4PVD22L	16.33
6"	6PVD22L	94.30
8"	8PVD22L	112.98
10"	10PVD22L	389.48
12"	12PVD22L	623.16
16"	16PVD22L	1237.84

22½° Street Elbow

SpigotxHub

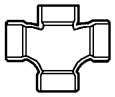


SIZE	STOCK NO	EACH
1½"	112PVDS22L	9.58
2"	2PVDS22L	10.27
3"	3PVDS22L	15.99
4"	4PVDS22L	23.21

Sanitary Tee



SIZE	STOCK NO	EACH
1½"	112PVDST	4.44
2"	2PVDST	6.53
2x2x1½"	2X112PVDST	5.78
2x1½ x2"	2X112X2PVDST	6.93
2x1½ x1½"	2X112X112PVDST	5.75
3"	3PVDST	17.18
3x3x2"	3X2PVDST	12.95
3x3x1½"	3X112PVDST	12.47
4"	4PVDST	31.37
4x4x2"	4X2PVDST	27.00
4x4x3"	4X3PVDST	36.68
6"	6PVDST	74.90
6x4"	6X4PVDST	121.81
8"	8PVDST	427.17
8x4"	8X4PVDST	191.25
8x6"	8X6PVDST	236.14
10"	10PVDST	1325.93
10x8"	10X8PVDST	910.01
12"	12PVDST	1596.20
12x10"	12X10PVDST	1220.67



Double Sanitary Tee

SIZE	STOCK NO	EACH
1½"	112PVDX	9.76
2"	2PVDX	13.19
2x2x1½ x1½"	2X112PVDX	10.36
3"	3PVDX	36.89
3x3x1½ x1½"	3X112PVDX	24.03
3x3x2x2	3X2PVDX	26.12
4"	4PVDX	59.34



Sanitary Tee, Street

SIZE	STOCK NO	EACH
1½"	112PVDSST	13.29
2"	2PVDSST	12.89



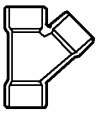
Sanitary Tee, Left Inlet

SIZE	STOCK NO	EACH
3x3x3x1½"	3X112PVDLSIT	48.43
3x3x3x2"	3X2PVDLSIT	33.44



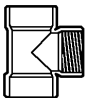
Sanitary Tee

SIZE	STOCK NO	EACH
Right Inlet		
3x3x3x1½"	3X112PVDRSIT	48.43
3x3x3x2"	3X2PVDRSIT	33.44
Right and Left Inlet		
3x3x3x1½"	3X2PVDDST	49.03



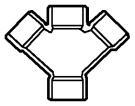
45° Wye

SIZE	STOCK NO	EACH
1½"	112PVDY	8.08
2"	2PVDY	7.96
2 x 2 x 1½"	2X112PVDY	9.73
2 x 1½ x 1½"	2X112X112PVDY	11.12
2 x 1½ x 2"	2X112X2PVDY	17.22
3"	3PVDY	21.52
3 x 3 x 2"	3X2PVDY	15.91
3 x 3 x 1½"	3X112PVDY	14.39
4"	4PVDY	39.02
4 x 4 x 3"	4X3PVDY	30.09
4 x 4 x 2"	4X2PVDY	22.19
6"	6PVDY	95.18
6x3"	6X3PVDY	103.96
6 x 6 x 4"	6X4PVDY	140.71
8"	8PVDY	303.97
8 x 4"	8X4PVDY	138.48
8 x 8 x 6"	8X6PVDY	183.09
10"	10PVDY	733.00
10 x 4"	10X4PVDY	417.53
10 x 6"	10X6PVDY	541.59
10 x 8"	10X8PVDY	640.91
12"	12PVDY	1190.69
12 x 4"	12X4PVDY	646.68
12 x 6"	12X6PVDY	706.05
12 x 8"	12X8PVDY	838.51
12 x 10"	12X10PVDY	939.01
14"	14PVDY	2290.13
14 x 10"	14X10PVDY	1742.54
14 x 12"	14X12PVDY	2105.80
16"	16PVDY	2747.70
16 x 4"	16X4PVDY	1690.02
16 x 6"	16X6PVDY	1865.88
16 x 8"	16X8PVDY	1973.62
16 x 10"	16X10PVDY	2300.13
16 x 12"	16X12PVDY	2377.58



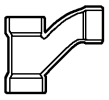
Cleanout Tee

SIZE	STOCK NO	EACH
1½"	112PVDCOT	9.13
2"	2PVDCOT	10.66
3"	3PVDCOT	20.69
4"	4PVDCOT	36.81
6"	6PVDCOT	297.78
8"	8PVDCOT	623.71
8x8x6"	8X6PVDCOT	180.47
10x10x8	10X8PVDCOT	1364.50



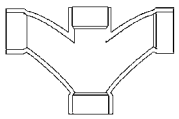
Double 45° Wye

SIZE	STOCK NO	EACH
1½"	112PVDDY	17.26
2"	2PVDDY	20.49
3"	3PVDDY	40.06
3 x 1½"	3X112PVDDY	36.68
3 x 2"	3X2PVDDY	29.86
4"	4PVDDY	86.35
4 x 2"	4X2PVDDY	48.74
4 x 3"	4X3PVDDY	64.37



Single Combination Wye and ⅛ Bend

SIZE	STOCK NO	EACH
1½"	112PVDLTY	10.75
2"	2PVDLTY	13.42
2 x 2 x 1½"	2X112PVDLTY	15.10
3"	3PVDLTY	29.54
3 x 3 x 2"	3X2PVDLTY	20.18
4"	4PVDLTY	58.21
4 x 4 x 3"	4X3PVDLTY	39.22
4 x 4 x 2"	4X2PVDLTY	30.40
6"	6PVDLTY	224.09
6 x 4"	6X4PVDLTY	201.55
8"	8PVDLTY	523.17
8 x 4"	8X4PVDLTY	316.20
8 x 6"	8X6PVDLTY	237.86
10"	10PVDLTY	1574.80
10 x 4"	10X4PVDLTY	553.26
10 x 6"	10X6PVDLTY	711.18
10 x 8"	10X8PVDLTY	927.45
12"	12PVDLTY	1856.98
12 x 6"	12X6PVDLTY	893.79
12 x 8"	12X8PVDLTY	1127.22
12 x 10"	12X10PVDLTY	1614.71
16 x 4"	16X4PVDLTY	1916.31



Double Fixture Tee

SIZE	STOCK NO	EACH
2x1½x1½"	2X112X112PVDFT	25.83
2"	2PVDFT	22.46
3"	3PVDFT	48.49



Coupling

SIZE	STOCK NO	EACH
1½"	112PVDC	1.20
2"	2PVDC	1.64
2 x 1½"	2X112PVDC	3.63
3"	3PVDC	5.72
3 x 2"	3X2PVDC	8.29
3 x 1½"	3X112PVDC	10.64
4"	4PVDC	9.72
4 x 2"	4X2PVDC	16.24
4 x 3"	4X3PVDC	17.36
6"	6PVDC	49.17
6 x 4"	6X4PVDC	97.52
8"	8PVDC	80.84
8 x 4"	8X4PVDC	143.83
8 x 6"	8X6PVDC	115.64
10"	10PVDC	179.17
10 x 4"	10X4PVDC	286.83
10 x 6"	10X6PVDC	295.91
10 x 8"	10X8PVDC	304.98
12"	12PVDC	305.17
12 x 4"	12X4PVDC	434.59
12 x 6"	12X6PVDC	508.15
12 x 8"	12X8PVDC	533.57
12 x 10'	12X10PVDC	560.22
14"	14PVDC	470.95
16"	16PVDC	525.31
16 x 4"	16X4PVDC	836.65
16 x 8"	16X8PVDC	861.52
16 x 12"	16X12PVDC	1058.86



Repair Couplings

SIZE	STOCK NO	EACH
1½"	112PVDRC	6.57
2"	2PVDRC	4.58
3"	3PVDRC	11.58
4"	4PVDRC	22.27



Sewer Coupling

Adapts sewer & Drain pipe to DWV Pipe. Hub x Hub

SIZE	STOCK NO	EACH
4x4"	4X4PVDSC	18.84
4x3"	4X3PVDSC	18.15
6x6"	6X6PVDSC	65.62

Bushing

SIZE	STOCK NO	EACH
2 x 1¼"	2X114PVDB	5.71
2 x 1½"	2X112PVDB	2.09
3 x 1½"	3X112PVDB	9.96
3 x 2"	3X2PVDB	5.26
4 x 2"	4X2PVDB	17.33
4 x 3"	4X3PVDB	8.96
6 x 4"	6X4PVDB	44.51
8 x 4"	8X4PVDB	122.90
8 x 6"	8X6PVDB	133.37
10 x 4"	10X4PVDB	273.21
10 x 6"	10X6PVDB	281.81
10 x 8"	10X8PVDB	291.05
12 x 4"	12X4PVDB	413.87
12 x 6"	12X6PVDB	483.99
12 x 8"	12X8PVDB	508.15
12 x 10"	12X10PVDB	533.57
14 x 12"	14X12PVDB	947.25
16 x 4"	16X4PVDB	796.81
16 x 12"	16X12PVDB	1050.91
16 x 14"	16X14PVDB	1042.69



Male Adapter

SIZE	STOCK NO	EACH
1½"	112PVDMA	2.27
2"	2PVDMA	3.05
3"	3PVDMA	8.52
4"	4PVDMA	19.30



Female Adapter

SIZE	STOCK NO	EACH
1½"	112PVDFA	2.27
2"	2PVDFA	3.86
3"	3PVDFA	10.29
4"	4PVDFA	13.38



Fitting Adapter Cleanout

SIZE	STOCK NO	EACH
1½"	112PVDCOA	2.89
2"	2PVDCOA	3.86
3"	3PVDCOA	10.36
4"	4PVDCOA	17.03
6"	6PVDCOA	48.48
8"	8PVDCOA	274.48
10"	10PVDCOA	724.37



(18)
PVC Flush-fit Cleanout Adapter

SIZE	STOCK NO	EACH
2"	SC8752P	11.85
3"	SC8753P	15.89
4"	SC8754P	20.59



No-Hub Adapter

SIZE	STOCK NO	EACH
2"	2PVDNHA	6.28
3"	3PVDNHA	9.13
4"	4PVDNHA	11.72



Male Trap Adapter

SIZE	STOCK NO	EACH
1½ **or** 1¼"	112PVDMTA	5.01
1½ x 1¼"	112X114PVDMTA	6.08
2"	2PVDMTA	25.45



Female Trap Adapter

SIZE	STOCK NO	EACH
1¼"	114PVDFTA	4.86
1½"	112PVDFTA	4.72
1½ x 1¼"	112X114PVDFTA	4.67



Plug

Raised Square MPT

SIZE	STOCK NO	EACH
1½"	112PVDCOP	2.14
2"	2PVDCOP	2.41
3"	3PVDCOP	4.28
4"	4PVDCOP	6.34
6"	6PVDCOP	20.14
8"	8PVDCOP	140.16
10"	10PVDCOP	244.59



Knockout Test Plug

Use with pipe or fittings, Spigot insert

SIZE	STOCK NO	EACH
1½"	112PVDTCAP	.45
2"	2PVDTCAP	.57
3"	3PVDTCAP	.86
4"	4PVDTCAP	.98



(02)
QuickPlug

Trap Adapter Test Plug

SIZE	STOCK NO	EACH
1½"	SC234QP	1.20

Techno-Test Caps

DWV pipe.

SIZE	STOCK NO	EACH
1½"	112TECA	1.47
2"	2TECA	1.55
3"	3TECA	2.31
4"	4TECA	2.44



Socket Cap

SIZE	STOCK NO	EACH
1½"	112PVCAP	1.49
2"	2PVCAP	1.78
2½"	212PVCAP	5.69
3"	3PVCAP	6.19
4"	4PVCAP	14.11
6"	6PVCAP	33.84
8"	8PVCAP	64.09
10"	10PVDCAP	260.93
12"	12PVDCAP	330.09
14"	14PVDCAP	550.77
16"	16PVDCAP	737.09



C/S - Cleanout Plug

SIZE	STOCK NO	EACH
1½"	112PVDCCP	2.51
2"	2PVDCCP	2.51
3"	3PVDCCP	3.84
3½"	312PVDCCP	4.58
4"	4PVDCCP	5.33



Adjustable "P" Trap Less Cleanout

SIZE	STOCK NO	EACH
1½"	112PVDPT	10.67
2"	2PVDPT	24.59



Hub "P" Trap Less Cleanout

SIZE	STOCK NO	EACH
1½"	112PVDWPT	8.96
2"	2PVDWPT	10.91
3"	3PVDWPT	36.84
4"	4PVDWPT	88.71



"P" Trap with Cleanout

SIZE	STOCK NO	EACH
2"	2PVDTW	23.83



Two Way Cleanout

SIZE	STOCK NO	EACH
3"	3PVDTWCO	39.53



Slip Joint x Hub "P" Trap

SIZE	STOCK NO	EACH
1½"	112PVDLAT	20.96



(18)
886-MR "Ringer" Stainless Steel Closet Ring

Strong, corrosion-proof stainless steel. Fits 3" or 4" pipe on concrete floors.

STOCK NO	EACH
One-Piece	
SC886MR	9.21
Two-Piece	
SC886MRM	30.35

(21)
Save-A-Flange
Closet Flange Repair kit
Renews broken closet flanges.
- 1 zinc plated bar
- 2 plastic screw anchors with screws
- 6 poly spacer washers

STOCK NO	EACH
SC49011320	8.51

Closet Flange Hub x Flange

SIZE	STOCK NO	EACH
4"	4PVDACF	32.58
4"x3"	4X3PVDACF	31.40

Adjustable Closet Flange

SIZE	STOCK NO	EACH
4"	4PVDSCF	36.62
4"x3"	4X3PVDSCF	26.12

One Piece Closet Flange

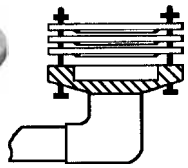
SIZE	STOCK NO	EACH
4" x 3"	4X3PVDCF	15.11

Pop Top Closet Flange

SIZE	STOCK NO	EACH
4"	4PVDPCF	20.82
4"x3"	4X3PVDPCF	11.63

(18)
P/F100 Offset Closet Flange

SIZE	STOCK NO	EACH
4"x3"	889PO	16.92

(18)
886-R Closet Flange Extension Ring
7/16" thick, can be stacked to desired height

STOCK NO	EACH
PVCLFLEX	5.02



(18)
Flush Fit Closet Flange with Knockout
- Fits over 3" or inside of 4" Schedule 40
- Fits flush with the floor
- Four countersunk mounting holes

STOCK NO	EACH
PVFFCLFL	5.22

(18)
Twist-N-Set Closet Flange
Replaces broken cast iron flanges, Gasket expands to fit service weight, heavy weight or no-hub.

STOCK NO	EACH
4PVTNSFL	38.26



(18)
Flush Fit C/O Flange
With knock out stainless steel ring.

STOCK NO	EACH
SC884PTM	10.80

(18)
Flush-to-Floor Closet Flange

SIZE	STOCK NO	EACH
3"x4"	SC886P	8.07

(18)
3" Inside Fit Closet Flange

SIZE	STOCK NO	EACH
3"	SC888P	6.48



(18)
45° Closet Flange

SIZE	STOCK NO	EACH
3"	SC88945PM	24.15



(18)
Floor Drain

SIZE	STOCK NO	EACH
2"	SC800P	32.56



(21)
Replacement Strainers for SC800P

COLOR	STOCK NO	EACH
Grey	SC801PG2	7.48



(18)
Adjustable Urinal Flange Kit
2" PVC spigot fitting solvent welds directly into any 2" fitting. Horizontal slots accommodate urinals with 3½" to 7" flange mounring centers. 1½" long tailpiece is easily cut to accommodate various wall finishes. Kit includes bolts, nuts, washers and gasket.

STOCK NO	EACH
AUFKS	23.51



(18)
Adjustable Urinal Flange Kit
2" PVC socket fitting. Horizontal slots for urinals with 3½" to 7" flange mounting centers. Kit includes bolts, nuts, washers and gasket.

STOCK NO	EACH
AUFK	23.51

(18)
Fat Max Floor Drain
Large capacity floor drain
No. 860-PS

SIZE	STOCK NO	EACH
3"	SC8603PS	116.87
4"	SC8604PS	116.87



(18)
Multi-Purpose Floor Drain
Designed for 2x3" solvent weld connection, fits over 2" or inside 3" schedule 40 DWV pipe or street elbow.

BODY	STOCK NO	EACH
PVC	8412P	19.74



(18)
GP100P Floor Drain

SIZE	STOCK NO	EACH
2"-3"	2PVFD	9.05



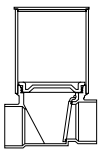
(18)
Backwater Valve

SIZE	STOCK NO	EACH
1½"	112PVBWV	59.47
2"	2PVBWV	39.66
3"	3PVBWV	54.65
4"	4PVBWV	69.54
6"	SC8696P	359.15



(18)
DWV Backwater Valve with Extension Sleeve & Lid
No. 869 - 16" Sleeve

SIZE	STOCK NO	EACH
3"	SC8693PS	94.31
4"	SC8694PS	108.07



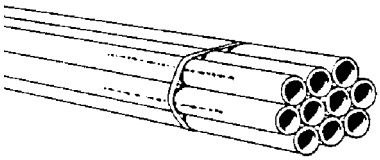
(18)
Sleeve Lid & Extension

SIZE	STOCK NO	EACH
Sleeve Lid & Extension		
2"	86923	24.15
Sleeve Lid ONLY		
3"	86933	20.37



(18)
Upper/Lower Deep-Bury Adapters

SIZE	STOCK NO	EACH
Fits 3" & 4"	SC869S4PDB	82.80



D2729 Sewer & Drain

SDR-26

PIPE SIZE	STOCK NO	PER FOOT
4"x10' Solid	4X10D2729SO	2.83
4"x10' Perforated	4X10D2729PE	2.83
6"x10' Solid	6X10D2729SO	5.49

D-3034 Solvent Weld

SDR-35

PIPE SIZE	STOCK NO	PER FOOT
4"x10' Solid	4X10D3034SW	4.00
4"x10' Perforated	4X10D3034PE	4.00

D-3034 Gasketed Joint

SDR-35

SIZE	STOCK NO	PER FOOT
6"x14'	6X14D3034GA	10.79
8"x14'	8X14D3034GA	19.58
10"x14'	10X14D3034GA	30.47

cresline.com

(18)

Chamfer/Beveling Tools for Plastic Pipe

STOCK NO	EACH



Pipe Capacity Nom.
½", ¾", 1" O.D.
Application
PVC, CPVC, PE, ABS
Pipe/Tubing
IPS
DEB1IPS 103.92



Pipe Capacity Nom.
½", ¾", 1" O.D.
Application
PE, PP
Pipe/Tubing
CTS
DEB1CTS 103.92



Pipe Capacity Nom.
1¼", 1½", 2" O.D.
Application
PVC, CPVC, PE, ABS
Pipe/Tubing
IPS
DEB12IPS 127.20



Pipe Capacity Nom.
20, 25, 32 mm O.D.
Application
PVC, CPVC, PE, ABS, PP
Pipe/Tubing
Metric
DEB1M 102.91



Pipe Capacity Nom.
1¼", 1½", 2", 2½", 3", 4" nom.
42, 50, 63, 75, 90, 114 mm O.D. actual
3/32" 15° chamfer
Application
PVC, CPVC, ABS, PP
DEB4 . . . . . 113.91

Solvent Weld Fittings

¼ Bend, HubxHub



SIZE	STOCK NO	EACH
4"	4PVSEL	15.61
6"	6PVSEL	41.55
8"	8PVSEL	172.38

Street Elbow ¼ Bend



SIZE	STOCK NO	EACH
4"	4PVSESL	18.27

⅛ Bend, Hub x Hub



SIZE	STOCK NO	EACH
4"	4PVSE45L	11.35
6"	6PVSE45L	44.82
8"	8PVSE45L	122.08

Street Elbow ⅛ Bend



SIZE	STOCK NO	EACH
4"	4PVSES45L	15.39
6"	6PVSES45L	57.21

1/16 Bend



SIZE	STOCK NO	EACH
4"	4PVSE22L	12.47
6"	6PVSE22L	54.62

Sanitary Tee



SIZE	STOCK NO	EACH
4"	4PVSEST	24.02

Tee

Hub all ways



SIZE	STOCK NO	EACH
4"	4PVSET	14.94
6"	6PVSET	62.24
8"	8PVSET	254.12

45° Wye

Hub all ways



SIZE	STOCK NO	EACH
4"	4PVSEY	20.74
6"	6PVSEY	87.98
6x4	6X4PVSEY	76.69
8x4	8X4PVSEY	165.32

Saddle Wye



SIZE	STOCK NO	EACH
6"x4"	6X4PVSESAY	100.93
8"x4"	8X4PVSESAY	138.17
10"x4"	10X4PVSESAY	162.14
10"x6"	10X6PVSESAY	182.86
12"x4"	12X4PVSESAY	167.37
12"x6"	12X6PVSESAY	224.01

Coupling, Hub x Hub



SIZE	STOCK NO	EACH
4"	4PVSEC	7.53
6"	6PVSEC	27.51
8"	8PVSEC	85.52
Reducing Coupling		
6"x4"	6X4PVSER	36.56

Female Adapter



SIZE	STOCK NO	EACH
4"	4PVSEFA	14.94

Cleanout Adapter



SIZE	STOCK NO	EACH
4"	4PVSECOA	11.72
6"	6PVSECOA	73.17

Cap



SIZE	STOCK NO	EACH
4"	4PVSECAP	6.57
6"	6PVSECAP	24.08
8"	8PVSECAP	78.84

Cleanout Plug



SIZE	STOCK NO	EACH
4"	4PVSECOP	9.06



See Page 1231 for applicable cements and cleaners

REHAU RAUPEX Tubing and Everloc+ Fittings (18dr)

rehau.com

RAUPEX® UV Shield Pipe (00d)

RAUPEX® UV Shield Pipe

RAUPEX® UV Shield pipe is made of high-quality cross-linked polyethylene, manufactured using the high-pressure peroxide method (Engel method, PEXa). RAUPEX® UV Shield pipe has a co-extruded PE shield that protects the pipe against ultraviolet light (sunlight) for up to one year. All RAUPEX ®UV Shield pipe meets the requirements of standards ASTM F 876, F 877, PPI TR-4 (Standard Grade) and is certified to NSF Standards 14 and 61 and CSA B 137.5. RAUPEX® UV Shield pipe is produced in REHAU's ISO 9001 certified manufacturing facility.

RAUPEX® UV Shield is rated for continuous operation of 160 psi @ 73.4° (1105 kPa @ 23°C), 100 psi @ 180°F (690 kPa @ 82.2°C) and 80 psi @ 200°F (550 kPa @ 93.3°C). It is compatible with all Everloc+™ fittings as well as crimp ring fittings certified to ASTM F 1807, and with compression-sleeve fittings certified to ASTM F 2080.



RAUPEX® UV Shield Pipe

SIZE	STOCK NO	EACH
Blue Pipe		
½" x 20'	235351021	11.74
½" x 300'	235351301	176.05
¾" x 20'	235371021	20.43
¾" x 300'	235371301	306.21
1" x 20'	235381021	41.44
1" x 100'	235381101	207.18
Red Pipe		
½" x 20'	235351022	11.74
½" x 300'	235351302	176.05
½" x 500'	235351502	285.43
¾" x 20'	235371022	20.43
¾" x 100'	235371102	102.07
¾" x 300'	235371302	306.21
1" x 20'	235381022	41.44
White Pipe		
½" x 20'	235351023	11.74
½" x 100'	235351113	58.68
½" x 300'	235351313	176.05
¾" x 20'	235371023	20.43
¾" x 100'	235371113	102.07
¾" x 300'	235371313	306.21
1" x 20'	235381023	41.44
1" x 100'	235381113	207.18
1" x 300'	235381313	621.53
1 ¼" x 20'	132571023	95.76
1 ½" x 20'	132581023	134.22
2" x 20'	132591023	230.19



Everloc+™ Sleeve

PEXa Compression Sleeves

SIZE	STOCK NO	EACH
⅜"	104815001	.32
½"	104816001	.36
⅝"	104817001	.56
¾"	104818001	.71
1"	104819001	1.50
1¼"	104820001	1.65
1½"	104821001	2.18
2"	104822001	4.37



Everloc+™ Couplings

SIZE	MATERIAL	STOCK NO	EACH
Straight • PEXa Sleeves (Sold Separately)			
⅜" x ⅜"	LF Brass	317138001	3.43
½" x ½"	Polymer	104824001	2.19
⅝" x ⅝"	LF Brass	317142001	11.69
¾" x ¾"	Polymer	104825001	2.72
1" x 1"	Polymer	104826001	4.05
1¼" x 1¼"	Polymer	104827001	10.62
1½" x 1½"	Polymer	104828001	11.91
2" x 2"	Polymer	104829001	49.39
Reducing • PEXa Sleeves (Sold Separately)			
¾" x ½"	Polymer	104830001	4.81
1" x ¾"	Polymer	104831001	6.24
1¼" x 1"	Polymer	104832001	9.41
1½" x 1"	Polymer	104833001	11.58
1½" x 1¼"	LF Brass	422233001	143.34
2" x 1"	LF Brass	317139001	118.47
2" x 1¼"	LF Brass	317140001	146.77
2" x 1½"	LF Brass	317141001	166.28



Everloc+™ Elbows

PEXa Sleeves (Sold Separately)

SIZE	MATERIAL	STOCK NO	EACH
½" x ½"	Polymer	104859001	2.70
⅝" x ⅝"	LF Brass	317163001	10.83
¾" x ¾"	Polymer	104860001	3.56
1" x 1"	Polymer	104861001	7.42
1¼" x 1¼"	Polymer	104862001	15.99
1½" x 1½"	Polymer	104863001	21.24
2" x 2"	Polymer	104864001	69.63



Everloc+™ Plugs

PEXa Sleeves (Sold Separately)

SIZE	MATERIAL	STOCK NO	EACH
½"	Polymer	104856001	1.78
⅝"	LF Brass	317157001	17.40
¾"	Polymer	104857001	2.81
1"	Polymer	104858001	3.74
1¼"	LF Brass	317158001	16.03
1½"	LF Brass	317159001	28.21
2"	LF Brass	317160001	44.26



Everloc+™ Polymer Tees

SIZE	STOCK NO	EACH
Straight • PEXa Sleeves (Sold Separately)		
½" x ½" x ½"	104835001	2.74
¾" x ¾" x ¾"	104836001	4.61
1" x 1" x 1"	104837001	8.36
1¼" x 1¼" x 1¼"	104838001	19.07
1½" x 1½" x 1½"	104839001	26.65
2" x 2" x 2"	104840001	85.79
Run Reducing • PEXa Sleeves (Sold Separately)		
¾" x ½" x ¾"	104841001	4.61
1" x ¾" x 1"	104842001	10.07
Branch Reducing • PEXa Sleeves (Sold Separately)		
¾" x ¾" x ½"	104844001	3.74
1" x 1" x ½"	104846001	7.67
1" x 1" x ¾"	104845001	8.44
1¼" x 1¼" x 1"	104847001	17.45
1½" x 1½" x 1"	104848001	23.40
2" x 2" x 1"	104849001	70.80
Branch/Run Reducing • Sleeves (Sold Separately)		
¾" x ½" x ½"	104851001	4.44
1" x ¾" x ¾"	104852001	8.16
1¼" x 1" x 1"	104853001	16.91
Bullhead • PEXa Sleeves (Sold Separately)		
½" x ½" x ¾"	104854001	9.09
¾" x ¾" x 1"	104855001	13.58



Everloc+™ Lead Free Brass Tees

SIZE	STOCK NO	EACH
Run Reducing • PEXa Sleeves (Sold Separately)		
1¼" x 1" x 1¼"	317143001	84.09
1½" x 1" x 1½"	317144001	110.85
1½" x 1¼" x 1½"	317145001	115.48
2" x 1¼" x 2"	317146001	258.16
2" x 1½" x 2"	317147001	260.71
Branch Reducing • PEXa Sleeves (Sold Separately)		
1½" x 1½" x 1¼"	317149001	122.40
2" x 2" x 1¼"	317150001	260.88
2" x 2" x 1½"	317151001	268.37
Branch/Run Reducing • Sleeves (Sold Separately)		
1½" x 1" x 1"	317152001	101.35
1½" x 1¼" x 1"	317153001	111.64
1½" x 1¼" x 1¼"	317154001	113.71
2" x 1½" x 1"	317156001	257.13
2" x 1½" x 1¼"	317161001	262.16
2" x 1½" x 1½"	317155001	259.19



Everloc+™ Manifolds

SIZE	STOCK NO	EACH
Closed-end • PEXa Sleeves (Sold Separately)		
¾" inlet x (4) ½" Outlets	104868001	18.02
Flow-through • PEXa Sleeves (Sold Separately)		
¾" x ¾" in x (3) ½" Outs.	104870001	14.48
¾" x ¾" in x (4) ½" Outs.	104871001	18.02
Elbow Flow-through • Sleeves (Sold Separately)		
¾" x ¾" in x (3) ½" Outs.	104872001	40.04
¾" x ¾" in x (4) ½" Outs.	104873001	39.55

REHAU Everloc+ Fittings and Tools (18dr)

rehau.com

Everloc+™ Adapters PEXa to MPT



Lead Free Brass • Sleeves (Sold Separately)

SIZE	STOCK NO	EACH
3/8" x 1/2" MPT	317174001	12.41
1/2" x 1/2" MPT	317171001	6.12
5/8" x 1/2" MPT	317175001	10.00
3/4" x 3/4" MPT	317172001	11.04
3/4" x 1" MPT	317177001	23.82
1" x 1" MPT	317178001	22.74
1 1/4" x 1 1/4" MPT	317179001	52.81
1 1/2" x 1 1/2" MPT	317180001	70.38
2" x 2" MPT	317181001	194.90

Everloc+™ Adapters PEXa to FPT



Lead Free Brass • Sleeves (Sold Separately)

SIZE	STOCK NO	EACH
1/2" x 1/2" FPT	317173001	12.62
3/4" x 3/4" FPT	317182001	14.16
1" x 1" FPT	317183001	30.73

Everloc+™ Adapters PEXa to Copper



Lead Free Brass • Sleeves (Sold Separately)

SIZE	STOCK NO	EACH
1/2" x 1/2" C Female	317184001	4.21
1/2" x 1/2" C Male or 3/8" C Fem.	317185001	4.26
3/4" x 3/4" C Male	317186001	9.04
3/4" x 3/4" C Female	317187001	9.58
3/4" x 1" C Female	317189001	19.16
1" x 1" C Male	317190001	17.32
1" x 1" C Female	317191001	15.87
1 1/4" x 1 1/4" C Male	317192001	38.31
1 1/4" x 1 1/4" C Female	317193001	43.23
1 1/2" x 1 1/2" C Male	317194001	62.88
1 1/2" x 1 1/2" C Female	317195001	66.22
2" x 2" C Male	317196001	175.74
2" x 2" C Female	317197001	175.74

(18)

Everloc+™ Closed-End Stub Out Ell



SIZE	STOCK NO	EACH
1/2" x 8"	418665001	20.52

Everloc+™ Elbows PEXa to Copper



Lead Free Brass • Sleeves (Sold Separately)

SIZE	STOCK NO	EACH
1/2" x 1/2" C Male or 3/8" C Fem.	317164001	14.37
1/2" x 1/2" C Female	317165001	16.56
3/4" x 3/4" C Male	317166001	36.27
3/4" x 3/4" C Female	317167001	36.27

Everloc+™ Elbows PEXa to FPT/MPT



Lead Free Brass • Sleeves (Sold Separately)

SIZE	STOCK NO	EACH
1/2" x 1/2" (Drop Ear) MPT	317168001	16.56
1/2" x 1/2" (Drop Ear) FPT	317170001	16.57
3/4" x 3/4" MPT	317169001	36.27



Everloc+™ Ball Valves

SIZE	STOCK NO	EACH
Straight Ball Valves • Sleeves (Sold Separately)		
1/2" Everloc+ x 1/2" C Female	418433001	29.53
1/2" x 1/2" Everloc+	418435001	34.68
1/2" x 3/8" Everloc+	418437001	23.54
3/4" x 3/4" Everloc+	418434001	53.24
Angle Ball Valves • Sleeves (Sold Separately)		
Includes 3/8" compression nut and ferrule		
1/2" Everloc+ x 3/8" Comp	418438001	23.18

(00d)

Manifold Header Stock



24 Outlets

DESCRIPTION	STOCK NO	EACH
1" x 1/2" Copper	250810	283.85
1" x 3/4" Copper	250817	667.43

(00d)

Steel Support Bends

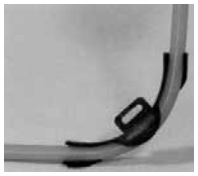


Create 90° bends without fitting an elbow; Snap support bend over Raupex pipe.

SIZE	STOCK NO	EACH
3/8, 1/2"	258408	4.43
3/4"	257249	8.23

(00d)

Polymer Support Bends



Create 90° bends without fitting an elbow; snap support bend over Raupex pipe; with eye for mounting to a support or stud.

SIZE	STOCK NO	EACH
3/8, 1/2"	266207	5.45
3/4"	266227	7.37

Everloc+ Tools

Everloc+™ Tool Kits



Includes:
- Power tool base unit
- Expander adapter
- (3) Expander heads
- (3) Compression jaws
- (2) 12V Li-ion batteries
- 12V/20V Li-ion battery charger
- Raucutter
- Grease and cleaning brush
- Operating instructions and Tool Case

INCLUDED SIZES	STOCK NO	EACH
1/2", 3/4" & 1"	105107003	1225.12
1 1/4", 1 1/2" & 2"	105733002	7358.60

Everloc+™ Power Tool



Includes:
- Quick-change Color Coded Expander Heads
- Multi-position Color Coded Compression Jaws
- 360° Rotation of Tool Housing
- Removeable Expander Adapter
- LED Light
- 12v Battery

INCLUDED SIZES	STOCK NO	EACH
1/2", 3/4", 1"	105107001RENTAL	Call for Pricing
1 1/4", 1 1/2", 2"	105733002RENTAL	Call for Pricing

Everloc+™ Expander Heads



Additional sizes for 105107003 Tool Kit

SIZE	STOCK NO	EACH
3/8"	105073001	157.00
5/8"	105075001	157.00

Everloc+™ Compression Jaws



Additional sizes for 105107003 Tool Kit

SIZE	STOCK NO	EACH
3/8"	105083001	374.51
5/8"	105087001	370.92

REHAU F1960 Cold-Expansion Fittings (18dr)

rehau.com

F1960 Cold-Expansion Fittings

REHAU F1960 cold expansion fittings and rings are for use with REHAU UV shield PEXa pipes only.

The maximum temperature and pressure ratings of the REHAU F1960 fitting system is in accordance with ASTM F877 and CSA B137.5 for SDR9 PEX, see REHAU pipe product submittals for ratings. All REHAU F1960 fittings and rings comply with the lead-free (LF) requirements of the U.S. Safe Drinking Water Act.



F1960 PEX Rings

SIZE	STOCK NO	EACH
½"	499702001	.38
⅝"	499703001	.59
¾"	499704001	.74
1"	499705001	1.57
1¼"	499706001	1.73
1½"	499707001	2.29
2"	499708001	4.59



F1960 Polymer Couplings

SIZE	STOCK NO	EACH
½"	499709001	2.30
¾"	499710001	2.79
1"	499711001	4.15
1¼"	499712001	11.02
1½"	499714001	12.63
2"	499715001	51.26
Reducer Polymer Couplings		
¾" x ½"	499717001	4.93
1" x ½"	490319001	5.89
1" x ¾"	499718001	6.40
1¼" x ¾"	499721001	9.34
1¼" x 1"	499719001	9.77
1½" x 1¼"	499723001	12.15
2" x 1½"	499724001	40.11



F1960 Polymer Plugs

SIZE	STOCK NO	EACH
½"	499769001	1.82
¾"	499771001	2.89
1"	499772001	3.83
1¼"	499773001	18.63
1½"	499774001	28.96
2"	499775001	32.68





(40)

ProPEX® F1960 Expansion Tool Kits

Features a auto-rotating head for convenient one-handed operation with a compact right angle design for installing tubing in tight locations.

Includes:

- M18™ or M12™ ProPEX Expansion Tool
- ProPEX Expander Cone Grease
- XC High Cap. REDLITHIUM™ Battery
- Multi-Voltage Charger Included
- 3 ProPEX® Expansion Heads
- Durable Carrying Case

MODEL - HEAD SIZES	STOCK NO	EACH
M12 - ½, ¾, & 1"	MIPROPEX	937.47
M18 - 1, 1¼, & 1½"	MILAPROPEX	1698.45
M18 - 1¼, 1½, & 2"	MIPROPEXC	2816.72



F1960 Polymer Tees

SIZE	STOCK NO	EACH
½" x ½" x ½"	499728001	2.87
¾" x ¾" x ¾"	499729001	4.73
1" x 1" x 1"	499730001	8.57
1¼" x 1¼" x 1¼"	499731001	19.80
1½" x 1½" x 1½"	499732001	27.66
2" x 2" x 2"	499733001	89.04
Run Reducing Polymer Tees		
¾" x ½" x ¾"	499734001	4.73
1" x ¾" x 1"	499735001	10.33
Branch Reducing Polymer Tees		
¾" x ¾" x ½"	499739001	3.83
1" x 1" x ½"	499741001	7.86
1" x 1" x ¾"	499740001	8.66
1¼" x 1¼" x ½"	499744001	13.92
1¼" x 1¼" x ¾"	499743001	17.72
1¼" x 1¼" x 1"	499742001	18.11
1½" x 1½" x ¾"	499753001	23.60
1½" x 1½" x 1"	499746001	24.29
1½" x 1½" x 1¼"	499747001	24.98
2" x 2" x 1"	499752001	73.48
2" x 2" x 1¼"	499748001	77.61
2" x 2" x 1½"	499749001	86.27
Branch/Run Reducing Polymer Tees		
¾" x ½" x ½"	499754001	4.56
1" x ¾" x ¾"	499755001	8.36
Bullhead Polymer Tees		
½" x ½" x ¾"	499767001	9.32
¾" x ¾" x 1"	499768001	13.92



F1960 Polymer Multi-port Tees

SIZE	STOCK NO	EACH
Closed-End		
¾" inlet x (3) ½" Outlets	499826001	12.90
¾" inlet x (4) ½" Outlets	499827001	18.69
¾" inlet x (6) ½" Outlets	499828001	21.90
Flow-Through		
¾" inlets x (2) ½" Outlets	499831001	11.12
¾" inlets x (3) ½" Outlets	499832001	15.01
¾" inlets x (4) ½" Outlets	499833001	18.69

(12)

Jomar T-422G Valve



- Blow-out proof stem
- 100% leak tested
- Gland follower and single o-ring stem design
- Wetted surfaces less than .25% lead content

2 Piece • Standard Port • 400 WOG
Stainless Steel Ball and Stem

SIZE	STOCK NO	EACH
½"	12T422G	14.69
¾"	34T422G	23.49
1"	1T422G	37.02
1¼"	114T422G	55.13
1½"	112T422G	83.20
2"	2T422G	163.71

F1960 Connections for PRO-BALANCE Manifolds

NEW ITEM



SIZE	STOCK NO	EACH
PEX to R-20 Nickel Plated Manifold Outlet		
½"	499662001	37.16
⅝"	499663001	44.24
¾"	499664001	69.56



F1960 Elbows

SIZE	STOCK NO	EACH
Polymer PEX to PEX		
½" x ½"	499776001	2.83
¾" x ½"	490318001	3.22
¾" x ¾"	499777001	3.65
1" x 1"	499778001	7.61
1¼" x 1¼"	499779001	16.60
1½" x 1½"	499780001	22.04
2" x 2"	499781001	72.27
LF Brass PEX to Copper Elbows		
¾" x ¾" C Male	499784001	38.05
¾" x ¾" C Female	499785001	38.05
LF Brass PEX to FTP Drop Ear Elbows		
½" x ½"	499789001	17.39
¾" x ¾"	499787001	38.19



F1960 Brass Adapters

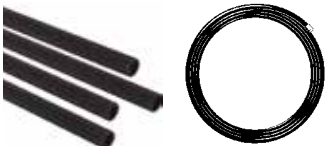
SIZE	STOCK NO	EACH
PEX to Copper Male		
½" x ½"	499795001	4.29
½" x ¾"	499790001	8.97
¾" x ½"	499792001	18.38
¾" x ¾"	499796001	9.48
¾" x 1"	499791001	19.85
1" x 1"	499799001	18.18
1¼" x 1¼"	499801001	40.20
1½" x 1½"	499803001	65.98
2" x 2"	499805001	184.39
PEX to Copper Female		
½" x ½"	499794001	4.41
½" x ¾"	499793001	9.07
¾" x ¾"	499797001	10.05
¾" x 1"	499798001	20.10
1" x 1"	499800001	16.65
1¼" x 1¼"	499802001	45.35
1½" x 1½"	499804001	69.47
2" x 2"	499806001	184.39
PEX to MPT		
½" x ½"	499807001	6.42
½" x ¾"	499810001	16.81
¾" x ¾"	499808001	11.58
¾" x 1"	499814001	24.99
1" x ¾"	499809001	25.11
1" x 1"	499815001	23.86
1¼" x 1¼"	499816001	55.40
1½" x 1½"	499817001	73.84
2" x 2"	499818001	204.49
PEX to FPT		
½" x ½"	499821001	13.24
½" x ¾"	499819001	22.11
¾" x ¾"	499822001	14.86
¾" x 1"	499820001	47.10
1" x 1"	499823001	32.25
1¼" x 1¼"	499863001	58.90
1½" x 1½"	499864001	127.59
2" x 2"	499866001	261.29
Press to PEX		
½" x ½"	450863P	9.82
¾" x ¾"	450864P	14.73
1" x 1"	450865P	24.00



(18)

Press Copper Stub Outs

PRESS SIZE X LENGTH TO CRUVE X LENGTH OUT	STOCK NO	EACH
½" F1960 x 4" x 8"	SC630WG248	12.92
½" F1960 x 4" x 12"	SC630WG2412	19.89
Striaght Press x Copper Sweat • LESS wall plate		
½ F1960 x 8" SWT	SC638WG208	13.37
½ F1960 x 15" SWT	SC638WG215	25.08



ViegaPEX Ultra Tubing

ViegaPEX tubing is manufactured to ASTM F876 & F877 standards and meets certifications of NSF 14 & 61. The flexibility of the tubing reduces installation time and fitting quantities.

SIZE X LENGTH	STOCK NO	EACH
¾"x100'	ST34X100PEXCEL	99.41
1"x100'	ST1X100PEXCEL	170.52
1¼"x20'	ST114X20PEXCEL	59.09
1¼"x100'	ST114X100PEXCEL	273.45
1½"x100'	ST112X100PEXCEL	365.04
2"x20'	ST2X20PEXCEL	202.78
PureFlow PEX tubing (White)		
½"x20'	ST12X20WPEX	8.40
½"x100'	ST12X100WPEX	42.00
½"x300'	ST12X300WPEX	126.01
¾"x20'	ST34X20WPEX	15.61
¾"x300'	ST34X300WPEX	234.01
1"x20'	ST1X20WPEX	32.00
1½"x20'	ST112X20WPEX	86.01
2"x100'	ST2X100WPEX	777.60



Red/Blue ViegaPEX Ultra Tubing

ViegaPEX tubing is manufactured to ASTM F876 & F877 standards and meets certifications of NSF 14 & 61. The flexibility of the tubing reduces installation time and fitting quantities.

SIZE X LENGTH	COLOR	STOCK NO	EACH
1/2" Pexcel			
½"x20'	Red	ST12X20RPEX	8.40
½"x20'	Blue	ST12X20BPEX	8.40
½"x100'	Red	ST12X100RPEX	42.00
½"x100'	Blue	ST12X100BPEX	42.00
½"x300'	Red	ST12X300RPEX	126.01
½"x300'	Blue	ST12X300BPEX	126.01
3/4" Pexcel			
¾"x20'	Red	ST34X20RPEX	15.61
¾"x20'	Blue	ST34X20BPEX	15.61
¾"x100'	Red	ST34X100RPEX	78.00
¾"x100'	Blue	ST34X100BPEX	78.00
¾"x300'	Red	ST34X300RPEX	234.01
¾"x300'	Blue	ST34X300BPEX	234.01
1" Pexcel			
1"x20'	Red	ST1X20RPEX	32.00
1"x20'	Blue	ST1X20BPEX	32.00

(00d)



White Viega Ice Maker Tubing

¼" I.D. x 100' White Tube.

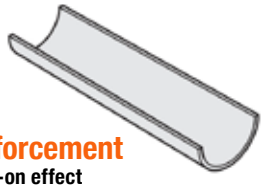
STOCK NO	EACH
PX1C1	60.01

See Page 723 for ViegaPex Barrier Pipe



Plastic Press Manifolds

OUTLETS	STOCK NO	EACH
Closed		
6	PL1X12X6COUMA	40.82
Flow Through		
6	PL1X12X6OUMA	43.00
8	PL1X12X8OUMA	53.73



(18)

PEX Pipe Reinforcement

Self-gripping – Snap-on effect

Keeps plastic pipe straight.
Reinforcement fits inside insulation.

SIZE (CTS X LENGTH)	STOCK NO	EACH
½"x9'	PSU050	16.68
¾"x9'	PSU075	18.63
1"x9'	PSU100	19.35
1¼"x9'	PSU125	24.84
1½"x9'	PSU150	27.38
2"x9'	PSU200	31.80



(40)

ProPEX Tubing Cutter

48-22-4200

Features a replaceable V-shaped, double ground steel blade. Cuts up to 1" rubber & plastic tubing and PEX-a tubing.

STOCK NO	EACH
MIPEXTUCU	48.02
Replacement BLADE 48-22-4201	
MIPEXTUCUBL	12.49



RIIFO PEX-b Tubing White Sticks

RIIFO PEX-b tubing is made of cross-linked polyethylene, utilizing the production method of silane cross-linking that provides superior chemical and mechanical performance. Meets the standard of CSA B137.5, ASTM E84, ASTM 876 and ASTM 877.

SIZE X LENGTH	STOCK NO	EACH
½" x 20'	RI12X20WPEX	8.94
¾" x 20'	RI34X20WPEX	16.21
1" x 20'	RI1X20WPEX	26.47
1¼" x 20'	RI114X20WPEX	66.11
1½" x 20'	RI112X20WPEX	93.58
2" x 20'	RI2X20WPEX	165.86



Press Poly Adapter

Poly x PEX with sleeve

Does not include ring for polybutylene connection

SIZE	STOCK NO	EACH
½"	ST12PRPBADWS	8.95
¾"	ST34PRPBADWS	14.53



Press Couplings

PEX x PEX with sleeve

SIZE	STOCK NO	EACH
5/16"	ST516PRCOWS	7.28
½"	ST12PRCOWS	4.91
¾"	ST34PRCOWS	7.63
½" x ¾"	ST12X34PRCOWS	9.09
¾" x 1"	ST34X1PRCOWS	11.50
1"	ST1PRCOWS	16.04
1" x 1¼"	ST1X114PRCOWS	23.46
1" x 1½"	ST1X112PRCOWS	30.27
1¼"	ST114PRCOWS	28.93
1½"	ST112PRCOWS	37.71



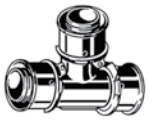
Press Sleeves

SIZE	STOCK NO	EACH
½"	ST12PRSL	.52
¾"	ST34PRSL	.87
1"	ST1PRSL	1.29



Compression Insert

SIZE	STOCK NO	EACH
1/2"	ST12COIN	1.07



Press Tees

with sleeve

SIZE	STOCK NO	EACH
½"	ST12PRTWS	9.61
¾"	ST34PRTWS	14.16
1"	ST1PRTWS	28.93



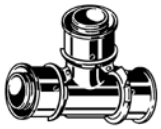
PEX Press Tailpeice

PEX x Female BSP Tailpeice

SIZE	STOCK NO	EACH
¾" x 1"	ST34X1PRTPWS	19.90
1" x 1¼"	ST1X114PRTPWS	24.26

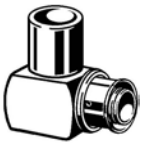
Press Reducing Tees

with sleeve



SIZE	STOCK NO	EACH
½ x ¾"	ST12X34PRTWS	14.99
¾ x ½"	ST34X12PRTWS	13.95
1 x ¾"	ST1X34PRTWS	28.74
¾ x ½ x ½"	ST34X12X12PRTWS	15.13
¾ x ½ x ¾"	ST34X12X34PRTWS	14.57
1 x ½ x ½"	ST1X12X12PRTWS	39.89
1 x ½ x 1"	ST1X12X1PRTWS	49.44
1 x 1 x ½"	ST1X1X12PRTWS	28.98
1 x ¾ x ¾"	ST1X34X34PRTWS	28.04
1 x ¾ x 1"	ST1X34X1PRTWS	31.41
1¼ x ¾"	ST114X34PRTWS	66.00

Press Elbow



SIZE	STOCK NO	EACH
Copper Sweat x Press Elbow with sleeve		
½"	ST12PRCOELWS	26.47
¾"	ST34PRCOELWS	23.07
Copper Fitting x Press Elbow with sleeve		
½"	ST12PRCOFIELWS	21.13
¾"	ST34PRCOFIELWS	38.21

Press Elbows

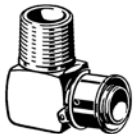
with sleeve



SIZE	STOCK NO	EACH
½"	ST12PRELWS	7.34
¾"	ST34PRELWS	11.08
1"	ST1PRELWS	26.69
1¼"	ST114PRELWS	39.31
1½"	ST112PRELWS	53.74

Press x Male NPT Elbows

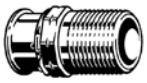
with sleeve



SIZE	STOCK NO	EACH
½x½"	ST12PRMALWS	14.26
½x¾"	ST12X34PRMALWS	26.99
¾x¾"	ST34PRMALWS	15.58
¾x1"	ST34X1PRMALWS	45.66
1x1"	ST1PRMALWS	45.01

Male NPT Adapters

Press x Male NPT with sleeve



SIZE	STOCK NO	EACH
½x½"	ST12PRMAADWS	5.01
½x¾"	ST12X34PRMAADWS	10.80
¾x¾"	ST34PRMAADWS	7.02
¾x½"	ST34X12PRMAADWS	8.06
¾x1"	ST34X1PRMAADWS	15.77
1x¾"	ST1X34PRMAADWS	16.74
1x1"	ST1PRMAADWS	12.06
1¼"	ST114PRMAADWS	41.86
1½"	ST112PRMAADWS	51.30
2x2"	ST2PRMAADWS	146.00

Female NPT Adapters

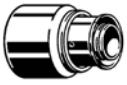
Press x Female NPT with sleeve



SIZE	STOCK NO	EACH
½x½"	ST12PRFEADWS	7.48
½x¾"	ST12X34PRFEADWS	14.66
¾x¾"	ST34X34PRFEADWS	10.35
¾x½"	ST34X12PRFEADWS	20.01
1x¾"	ST1X34PRFEADWS	19.40
1x1"	ST1PRFEADWS	18.12

Tubing Adapters

Press x Copper Sweat with sleeve



SIZE	STOCK NO	EACH
½x½"	ST12COADWS	3.89
½x¾"	ST12X34COADWS	9.26
¾x½"	ST34X12COADWS	13.51
¾x¾"	ST34COADWS	6.02
¾x1"	ST34X1COADWS	28.53
1x1"	ST1COADWS	13.19
1¼"x1¼"	ST114COADWS	27.95
1½"x1½"	ST112COADWS	43.81
2x2"	ST2COADWS	133.88

Fitting Adapters

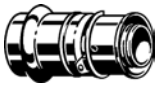
Press x Copper Fitting with sleeve



SIZE	STOCK NO	EACH
½x½"	ST12COFIADWS	4.77
½x¾"	ST12X34COFIADWS	8.29
¾x½"	ST34X12COFIADWS	8.51
¾x¾"	ST34COFIADWS	6.93
¾x1"	ST34X1COFIADWS	11.12
1x1"	ST1COFIADWS	13.05

Press Adapters

PEX Sleeve x Copper Press



SIZE (PRESS X PEX)	STOCK NO	EACH
½"	ST12PPPAWS	5.60
¾"	ST34PPPAWS	9.87
1"	ST1PPPAWS	16.44
¾ x ½"	ST34X12PPPAWS	16.52
½ x ¾"	ST12X34PPPAWS	10.89
1x ¾"	ST1X34PPPAWS	14.23
1¼"	ST114PPPAWS	25.52
1½"	ST112PPPAWS	34.38
2"	ST2PPPAWS	70.82

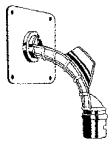
Press Drop Ear Elbows

PEX x FNPT



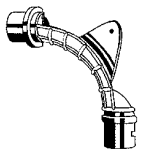
SIZE	STOCK NO	EACH
½ x ½"	ST12PRDREALWS	14.43
¾ x ¾"	ST34PRDREALWS	22.29

Drop Ear Bend Support



SIZE	STOCK NO	EACH
½"	ST12DOEABESU	2.53

Plastic Bend Supports



SIZE	STOCK NO	EACH
½"	ST12PLBESU	2.69
⅝ & ¾"	ST5834PLBESU	3.57
1"	ST1PLBESU	7.65

Plastic Bend Supports for Slab



SIZE	STOCK NO	EACH
½"	ST12PLBESUSL	5.54
⅝ & ¾"	ST5834PLBESUSL	6.40

Chrome Sleeve

52 520



SIZE	STOCK NO	EACH
½" x 3½"	ST12SL	4.03

viega.com/en



Press Copper Tub Ell

With Sleeve

SIZE	STOCK NO	EACH
½"	ST12PRCOTULWS	13.78

Press Copper Stub Out

WITH SLEEVE

SIZE	STOCK NO	EACH
¾"	ST34PRCOSTOUWS	29.23



Press 1/4 Turn Stop Valves

STOCK NO	EACH
No. 2842.4ZL Angle	
ST12X38PRANQSTVAWS	16.32
No. 2842.3ZL Straight	
ST12X38PRSTQSTVAWS	16.43



Press Ball Valves

PEX to PEX With Sleeves

SIZE	STOCK NO	EACH
½"	ST12PRBAVAWS	21.65
¾"	ST34PRBAVAWS	28.82

Sioux Chief (18)

siouxchief.com



Stub Out Brackets

14 Gauge Flat Galvanized Stud Bracket

SIZE	STOCK NO	EACH
2" x 20"	SC521318	5.31



Strong Arm

Twisted bracket with PEX Bend Block

LOCK BLOCKS	STOCK NO	EACH
For use with 16" stud bays		
1	SC525161PB	8.19
2	SC525162PB	9.81
For use with 24" stud bays		
1	SC525241PB	9.17
2	SC525242PB	10.73



PEX Elbow

SIZE	STOCK NO	EACH
½"	SC525P2	1.79



Copper Stub Out

SIZE X LENGTH TO CRUVE X LENGTH OUT	STOCK NO	EACH
½" SWT x 5" x 7"	SC61357PK	8.84



Press Copper Stub Out

PRESS SIZE X LENGTH TO CRUVE X LENGTH OUT	STOCK NO	EACH
½" F2080 x 4" x 8"	SC630VG248	15.74



Press x Copper Straight Stub Outs

PEX x Copper Sweat • With wall plate

SIZE	STOCK NO	EACH
½ F3347 x 8" SWT	SC638VG208E4	17.96
½ F3347 x 18" SWT	SC638VG218E4	24.03



PowerPEX Female Sweat Copper Adapters

PEX x FSWT • ASTM F1807

SIZE	STOCK NO	EACH
1" x 1"	SC644X4	5.27



Full Port PEX Press Ball Valves

PEX to PEX with Sleeves for Viega

SIZE	STOCK NO	EACH
½"	SC648VG2FP	54.78
¾"	SC648VG3FP	83.82
1"	SC648VG4FP	139.39



PowerPEX Brass Ball Valves

PEX to PEX • ASTM F1807

SIZE	STOCK NO	EACH
½"	SC648XG2	13.54
¾"	SC648XG3	20.45
1"	SC648XG4	36.11



F3347 PEX Press Adapter

CPVC x PEX Press

SIZE	STOCK NO	EACH
½"	SC645VGC2	13.73
¾"	SC645VGC3	25.25
1"	SC645VGC4	41.57



PowerPEX Brass Tee

PEX x PEX x PEX Press • ASTM F1807

SIZE	STOCK NO	EACH
½" x ½" x ½"	SC641XG222	2.74



PowerPEX Brass Straight Male Adapters

PEX x MIP • ASTM F1807

SIZE	STOCK NO	EACH
½" x ½"	SC646XG2	3.00
¾" x 1"	SC646XG43	7.38



PowerPEX Brass Straight Female Adapters

PEX x FIP • ASTM F1807

SIZE	STOCK NO	EACH
¾" x ¾"	SC647XG3	5.01

Milwaukee Tool (40)
milwaukeetool.com

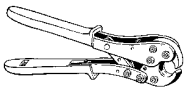


M18™ Short Throw Press Tool Kit with Viega PureFlow™ Jaws
Designed for one handed use the M18™ Short Throw Press Tool is the fastest press, pressing 40% faster than the competition providing the fastest, effortless installs from branch to fixture.

Includes:
- (2) M18™ REDLITHIUM™ 2.0 Compact Batteries
- M18™ & M12™ Multi-Voltage Charger.
- M18™ ½", ¾" & 1" Viega PureFlow™ Jaws.
- Durable Carrying Case

For PEX Jaws ONLY!

SIZE	STOCK NO	EACH
½, ¾, & 1"	MIPRESSPEXTO	1251.27



Press Tool
With it's ratcheting design, the Press tool ensures a perfect connection every time. Tool cannot be opened until the fitting has been properly pressed.

SIZE	STOCK NO	EACH
½"	ST12PRTO	324.65
¾"	ST34PRTO	320.48
1"	ST1PRTO	480.14



Viega Pex Press Starter Tool Kit
Includes:
- Tube Cutter for 1" Max.
- ½" Yellow Handle PEX Press.
- ¾" Blue Handle PEX Press.
- Durable Carrying Case.

STOCK NO	EACH
STSTTOSE	681.80



Compact Viega PEX Jaws

SIZE	STOCK NO	EACH
½"	ST12COJA	254.93
¾"	ST34COJA	254.93
1"	ST1COJA	254.93
1¼"	ST114COJA	321.10
1½"	ST112COJA	404.97

Viega PEX Jaws
For ProPress 320-E/330 • For PEX Pipe ONLY!

SIZE	STOCK NO	EACH
½"	ST12JA	342.20
¾"	ST34JA	342.50
1"	ST1JA	342.50
1¼"	ST114JA	351.43
1½"	ST112JA	512.87
2"	ST2JA	512.87

For Propress Jaws see page 1112



90º Plastic Press Elbows
With Smart Connect Feature

SIZE	STOCK NO	EACH
½"	PL12PRELWS	2.86
¾"	PL34PRELWS	3.24
1"	PL1PRELWS	6.49
1¼"	PL114PRELWS	17.13
1½"	PL112PRELWS	21.13
2"	PL2PRELWS	75.01



45º Plastic Press Elbows
With Smart Connect Feature

SIZE	STOCK NO	EACH
1½"	PL112PR45LWS	41.74
2"	PL2PR45LWS	69.84



Plastic Press Tees
With Smart Connect Feature

SIZE	STOCK NO	EACH
½"	PL12PRTWS	2.57
¾"	PL34PRTWS	4.64
1"	PL1PRTWS	9.54
1¼"	PL114PRTWS	20.53
1½"	PL112PRTWS	27.66
2"	PL2PRTWS	91.68



Plastic Press Reducing Tees
With Smart Connect Feature

SIZE	STOCK NO	EACH
½ x ¾"	PL12X34PRTWS	7.63
¾ x ½"	PL34X12PRTWS	4.17
1 x ½"	PL1X12PRTWS	7.10
1 x ¾"	PL1X34PRTWS	8.06
1¼ x ¾"	PL114X34PRTWS	15.12
1¼ x 1"	PL114X1PRTWS	17.17
1½ x ¾"	PL112X34PRTWS	24.62
1½ x 1"	PL112X1PRTWS	25.73
1½ x 1¼"	PL112X114PRTWS	26.53
2 x ¾"	PL2X34PRTWS	72.97
2 x 1"	PL2X1PRTWS	76.17
2 x 1¼"	PL2X114PRTWS	78.23
2 x 1½"	PL2X112PRTWS	87.18
¾ x ½ x ½"	PL34X12X12PRTWS	4.04
¾ x ½ x ¾"	PL34X12X34PRTWS	4.48
1 x ½ x ½"	PL1X12X12PRTWS	7.86
1 x ½ x 1"	PL1X12X1PRTWS	9.57
1 x ¾ x ½"	PL1X34X12PRTWS	7.91
1 x ¾ x ¾"	PL1X34X34PRTWS	8.37
1 x ¾ x 1"	PL1X34X1PRTWS	8.49
1¼ x 1 x ¾"	PL114X1X34PRTWS	18.75
1¼ x 1 x 1"	PL114X1X1PRTWS	15.30
1½ x 1 x ¾"	PL112X1X34PRTWS	28.40
1½ x 1 x 1"	PL112X1X1PRTWS	23.40
1½ x 1¼ x ¾"	PL112X114X34PRTWS	25.68
2 x 1½ x ¾"	PL2X112X34PRTWS	57.56
2 x 1½ x 1"	PL2X112X1PRTWS	71.00
2 x 1½ x 1¼"	PL2X112X114PRTWS	77.26
2 x 1½ x 1½"	PL2X112X112PRTWS	80.81



Plastic Press Couplings
With Smart Connect Feature

SIZE	STOCK NO	EACH
½"	PL12PRCOWS	1.86
¾"	PL34PRCOWS	2.94
½ x ¾"	PL12X34PRCOWS	3.65
¾ x 1"	PL34X1PRCOWS	5.41
1"	PL1PRCOWS	4.91
1" x 1¼"	PL1X114PRCOWS	10.91
1¼"	PL114PRCOWS	13.19
1¼ x ¾"	PL114X34PRCOWS	12.29
1½"	PL112PRCOWS	17.39
1½ x 1¼"	PL112X114PRCOWS	16.62
2"	PL2PRCOWS	52.58
2 x 1½"	PL2X112PRCOWS	47.91



Press Test Plugs
With Smart Connect Feature

SIZE	STOCK NO	EACH
½"	PL12PRPLWS	1.56
¾"	PL34PRPLWS	2.22
1"	PL1PRPLWS	3.39
1¼"	PL114PRPLWS	13.57
1½"	PL112PRPLWS	19.43
2"	PL2PRPLWS	33.18



Press Sleeves
Only for Viega Press polymer fittings

SIZE	STOCK NO	EACH
½"	PL12PRSL	.99
¾"	PL34PRSL	1.55
1"	PL1PRSL	1.94

EvoPEX Tubing and Fittings (18f)

sharkbite.com

SharkBite® PEX Tubing

160 PSI @ 33°-73° F.

A cross-linked polyethylene pipe for a range of residential and commercial plumbing applications. This pipe is approved for all potable water systems. SharkBite PEX is approved for crimp, clamp or push-to-connect plumbing systems. The pipe comes with a repeating SharkBite imprinted pattern which serves as a visual aid to determine if the tube has been inserted correctly into SharkBite Push-to-Connect fittings. This feature only works if the tubing is cut between the SharkBite imprint pattern.



White Pex Pipe Coils

- One month UV resistance
- Highest-rated chlorine resistance
- Freeze Resistant (Not freeze-proof)
- Burial, Fire Suppresion, & Plenum approved
- 25 Year Warranty

SIZE X LENGTH	STOCK NO	EACH
½" x 100'	12X100EVOPEX	49.22
¾" x 100'	34X100EVOPEX	87.32
1" x 100'	1X100EVOPEX	154.00
¾" x 500'	34X500EVOPEX	436.59
1" x 500'	1X500EVOPEX	769.99
½" x 1000'	12X1000EVOPEX	461.16



White Pex Pipe Straight Lengths

- Highest-rated chlorine resistance
- One month UV resistance
- Freeze Resistant (Not freeze-proof)
- Burial, Fire Suppresion, & Plenum approved
- 25 Year Warranty

SIZE X LENGTH	STOCK NO	EACH
½" x 20'	12X20EVOPEX	10.59
¾" x 20'	34X20EVOPEX	18.79
1" x 20'	1X20EVOPEX	33.15



EvoPEX™ Angle Stop

1/4-turn full-port brass ball valve

SIZE	STOCK NO	EACH
½" x ⅜" Comp	K23036	11.34



EvoPEX™ Straight Stop

1/4-turn full-port brass ball valve

SIZE	STOCK NO	EACH
½" x ⅜" Comp	K23037	11.34

SharkBite® EvoPEX™ Fittings

160 PSI @ 73.4° F.

SharkBite EvoPEX fittings are for use in hot and cold domestic water systems, as well as radiant heating/cooling systems. SharkBite EvoPEX fittings are intended to be installed with SharkBite PEX pipe as a holistic system.
Instant push-to-connect ends for quick installation, immediate testing, and ease of use:
ID pipe seal, permanent connection, visual indicator to confirm connection, no tools, solder, clamps, rings, unions, or glue required.



EvoPEX™ Couplings

SIZE	STOCK NO	EACH
½" x ½"	12EPC	3.94
¾" x ¾"	34EPC	4.57
1" x 1"	1EPC	8.74



EvoPEX™ Reducing Couplings

SIZE	STOCK NO	EACH
¾" x ½"	34X12EPC	4.41
1" x ¾"	1x34EPC	7.32



EvoPEX™ Female Connectors

PEX to F-NPT Connection

SIZE	STOCK NO	EACH
½" x ½"	12EPFC	7.56
¾" x ¾"	34EPFC	9.29
1" x 1"	1EPFC	17.01



EvoPEX™ Male Connectors

PEX to M-NPT Connection

SIZE	STOCK NO	EACH
½" x ½"	12EPMC	7.56
¾" x ¾"	34EPMC	9.29
1" x 1"	1EPMC	17.01



EvoPEX™ End Caps

SIZE	STOCK NO	EACH
½"	12EPEC	1.73
¾"	34EPEC	3.94
1"	1EPEC	7.56



EvoPEX™ Elbows

SIZE	STOCK NO	EACH
½" x ½"	12EPL	5.20
¾" x ¾"	34EPL	6.22
1" x 1"	1EPL	11.34



EvoPEX™ Male Elbow

PEX to M-NPT Connection

SIZE	STOCK NO	EACH
½" x ½"	12EPMAL	8.03



EvoPEX™ Drop Ear Elbow

PEX to F-NPT Connection

SIZE	STOCK NO	EACH
½" x ½"	12EPDEL	7.72



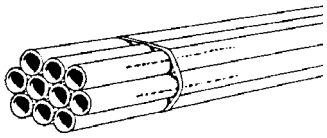
EvoPEX™ Tees

SIZE	STOCK NO	EACH
½" x ½" x ½"	12EPT	5.67
¾" x ¾" x ¾"	34EPT	6.77
1" x 1" x 1"	1EPT	12.99



EvoPEX™ Reducing Tees

SIZE	STOCK NO	EACH
½" x ½" x ¾"	12X34EPT	7.09
¾" x ¾" x ½"	34X12EPT	7.09
¾" x ¾"" x 1"	34X1EPT	13.47
1" x ¾" x ¾"	1X34X34EPT	13.47
1" x 1" x ½"	1X1X12EPT	13.47
1" x 1" x ¾"	1X1X34EPT	13.47
1" x ¾" x 1"	1X34X1EPT	13.47
1" x ¾" x ½"	1X34X12EPT	13.47
¾" x ½" x ¾"	34X12X34EPT	7.09
¾" x ½" x ½"	34X12X12EPT	7.09



(08a)

CPVC-HC

Hot and Cold Water Pipe

NSF approval for drinking water use.

NOM. O.D.	WALL THICKNESS	LBS. PER 100'	STOCK NO	PRICE PER FOOT
10 foot lengths				
.625	.068	8.22	12X10CPVC	.88
.875	.080	13.87	34X10CPVC	1.54
1.125	.102	22.68	1X10CPVC	3.21
1.375	.125	34.00	114X10CPVC	5.50
1.625	.148	47.60	112X10CPVC	7.82
2.125	.193	81.11	2X10CPVC	12.69
20 foot lengths				
.625	.068	8.22	12X20CPVC	.88
.875	.080	13.87	34X20CPVC	1.54
1.125	.102	22.68	1X20CPVC	3.21
1.375	.125	34.00	114X20CPVC	5.50
1.625	.148	47.60	112X20CPVC	7.82
2.125	.193	81.11	2X20CPVC	12.69

cresline.com



90° Elbow

Slip x Slip

SIZE	STOCK NO	EACH
½"	12CPVCL	.50
¾"	34CPVCL	.99
1"	1CPVCL	2.66
1¼"	114CPVCL	4.13
1½"	112CPVCL	7.50
2"	2CPVCL	14.42



90° Street Elbow

Spigot x Slip

SIZE	STOCK NO	EACH
½"	12CPVCSL	.79
¾"	34CPVCSL	1.20
1"	1CPVCSL	4.43



45° Elbow

Slip x Slip

SIZE	STOCK NO	EACH
½"	12CPVC45L	.71
¾"	34CPVC45L	1.18
1"	1CPVC45L	2.54
1¼"	114CPVC45L	4.85
1½"	112CPVC45L	6.98
2"	2CPVC45L	13.83

45° Street Elbow

Slip x Slip

SIZE	STOCK NO	EACH
½"	12CPVCS45L	1.28
¾"	34CPVCS45L	1.68
1"	1CPVCS45L	4.95



Drop Ear Elbow

Slip x Slip

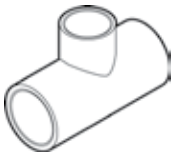
SIZE	STOCK NO	EACH
½"	12CPVCDEL	2.99



Brass Drop Ear Elbow

FPT x Slip

SIZE	STOCK NO	EACH
½"	12CPVCBDEL	11.37



Tee

Slip x Slip x Slip

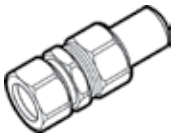
SIZE	STOCK NO	EACH
½"	12CPVCT	.73
¾"	34CPVCT	1.36
1"	1CPVCT	5.72
1¼"	114CPVCT	8.27
1½"	112CPVCT	11.22
2"	2CPVCT	18.49
Reducing Tee		
¾ x ½"	34X12CPVCT	1.36
¾ x ½ x ¾"	34X12X34CPVCT	1.45
¾ x ½ x ½"	34X12X12CPVCT	1.29
¾ x ¾ x 1"	34X34X1CPVCT	14.54
1 x ½"	1X12CPVCT	7.49
1 x ¾"	1X34CPVCT	7.12
1 x ¾ x ¾"	1X34X34CPVCT	14.65
1¼ x ¾"	114X34CPVCT	16.25
1¼ x 1"	114X1CPVCT	16.30
1¼ x 1 x 1"	114X1x1CPVCT	19.56
1½ x ¾"	112X34CPVCT	13.77
1½ x 1"	112X1CPVCT	12.29
2 x ¾"	2X34CPVCT	18.43
2 x 1"	2X1CPVCT	18.61



Coupling

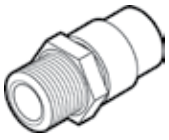
Slip x Slip

SIZE	STOCK NO	EACH
½"	12CPVCC	.56
¾"	34CPVCC	.73
1"	1CPVCC	2.18
1¼"	114CPVCC	2.72
1½"	112CPVCC	3.79
2"	2CPVCC	7.74
¾"x ½"	34X12CPVCC	.95
1"x ¾"	1X34CPVCC	5.81



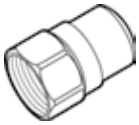
Brass Transition Union
Compression x Slip

SIZE	STOCK NO	EACH
½"	12CPVCCU	23.67



Brass Transition Union
MPT x Slip

SIZE	STOCK NO	EACH
½"	12CPVCMU	22.00



Brass Transition Union
FPT x Slip

SIZE	STOCK NO	EACH
½"	12CPVCFU	19.78
¾"	34CPVCFU	40.00



Reducer Bushing
Spigot x Slip

SIZE	STOCK NO	EACH
¾ x ½"	34X12CPVCB	.73
1 x ½"	1X12CPVCB	1.71
1 x ¾"	1X34CPVCB	1.71
1¼ x ½"	114X12CPVCB	2.25
1¼ x ¾"	114X34CPVCB	2.25
1¼ x 1"	114X1CPVCB	1.95
1½ x ½"	112X12CPVCB	2.72
1½ x ¾"	112X34CPVCB	3.01
1½ x 1"	112X1CPVCB	3.13
1½ x 1¼"	112X114CPVCB	2.77
2 x ½"	2X12CPVCB	6.32
2 x ¾"	2X34CPVCB	6.32
2 x 1"	2X1CPVCB	6.32
2 x 1¼"	2X114CPVCB	6.32
2 x 1½"	2X112CPVCB	6.32



(02)
Tub/Shower Pressure Connector

SIZE	STOCK NO	EACH
CPVC x MSWT		
½"	SC632C263	7.33
CPVC to Copper Transition Socket		
¾"	SC630C348	20.44



(02)
Male Sweat Adapter

SIZE	STOCK NO	EACH
CPVC x MSWT		
½"	SC643C211	10.54
¾"	SC643C311	20.09
1"	SC643C418	44.15



Male Adapter

SIZE	STOCK NO	EACH
Slip x Stainless Steel MPT		
½"	12CPVCBMA	8.21
¾"	34CPVCBMA	12.12
1"	1CPVCBMA	19.63
1¼"	114CPVCBMA	46.42
1½"	112CPVCBMA	77.20
2"	2CPVCBMA	85.67
Slip x Plastic MPT		
½"	12CPVCMA	.71
¾"	34CPVCMA	1.10



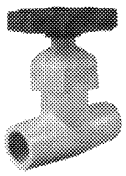
Female Adapter

SIZE	STOCK NO	EACH
Slip x Stainless Steel FPT		
½"	12CPVCBFA	8.21
¾"	34CPVCBFA	12.12
1"	1CPVCBFA	19.63
1¼"	114CPVCBFA	46.42
1½"	112CPVCBFA	77.20
2"	2CPVCBFA	85.67
Slip x Plastic with Reinforced Stainless Steel FPT		
½"	12CPVCFA	9.47
¾"	34CPVCFA	10.41



Cap
Slip

SIZE	STOCK NO	EACH
½"	12CPVCCAP	.54
¾"	34CPVCCAP	.77
1"	1CPVCCAP	1.77
1¼"	114CPVCCAP	2.72
1½"	112CPVCCAP	4.32
2"	2CPVCCAP	7.26



Globe Stop Valve
Slip x Slip

SIZE	STOCK NO	EACH
½"	12CPVCVL	4.37
¾"	34CPVCVL	6.48



Ball Stop Valve
Slip x Slip

SIZE	STOCK NO	EACH
½"	12CPVCBV	18.92
¾"	34CPVCBV	24.35
1"	1CPVCBV	28.27
1¼"	114CPVCBV	44.26
1½"	112CPVCBV	52.08
2"	2CPVCBV	68.00



(18b)
Orange Heavy Body CPVC Cement
For All Schedules thru 12", Medium Setting.

SIZE	STOCK NO	EACH
Pint	PTCPVCCE	49.54
Quart	QTCPVCCE	88.16

See page 1203 for All Purpose Cleaner
See page 1231 for IPS CPVC Primers

(18b)
Cresline CPVC Purple Primer

SIZE	STOCK NO	EACH
4oz.	4OZCPVCPR	9.64



(18b)
IPS CPVC Orange Weld-On Cement
Regular bodied, fast setting, for sizes thru 2".

SIZE	STOCK NO	EACH
4oz.	4OZCPVCCE	15.25
½ pint	12PTCPVCCE	23.46



(18b)
FlowGuard® Gold™ 1-step CPVC Cement

SIZE	STOCK NO	EACH
½ pint	12PTFGCPVCCE	26.85
Pt	PTFGCPVCCE	43.76

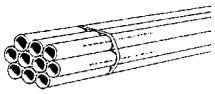
CPVC IPS Pipe and Fittings (08)

Schedule 80

lascofittings.com

(08)

Pipe



SIZE	STOCK NO	FOOT
5' Lengths		
2"	2X5S80CPVC	61.72
20' Lengths		
½"	12X20S80CPVC	2.80
¾"	34X20S80CPVC	3.81
1"	1X20S80CPVC	5.61
1¼"	114X20S80CPVC	7.73
1½"	112X20S80CPVC	9.37
2"	2X20S80CPVC	12.99
2½"	212X20S80CPVC	19.81
3"	3X20S80CPVC	26.56
4"	4X20S80CPVC	39.32
6"	6X20S80CPVC	75.55
8"	8X20S80CPVC	125.28

ipex.com

Tee



Slip

SIZE	STOCK NO	EACH
½"	12S80CPVCT	9.35
¾"	34S80CPVCT	9.52
1"	1S80CPVCT	11.67
1¼"	114S80CPVCT	24.59
1½"	112S80CPVCT	28.18
2"	2S80CPVCT	31.36
2½"	212S80CPVCT	79.84
3"	3S80CPVCT	79.84
4"	4S80CPVCT	106.25
6"	6S80CPVCT	276.49
Reducing Tee		
2x1½"	2X112S80CPVCT	58.53
3x2"	3X2S80CPVCT	119.43
4x3"	4X3S80CPVCT	165.23

90° Elbow



Slip

SIZE	STOCK NO	EACH
½"	12S80CPVCL	3.98
¾"	34S80CPVCL	5.09
1"	1S80CPVCL	8.08
1¼"	114S80CPVCL	17.48
1½"	112S80CPVCL	19.52
2"	2S80CPVCL	23.55
2½"	212S80CPVCL	54.22
3"	3S80CPVCL	61.39
4"	4S80CPVCL	110.55
6"	6S80CPVCL	222.16

45° Elbow



Slip

SIZE	STOCK NO	EACH
½"	12S80CPVC45L	4.88
¾"	34S80CPVC45L	7.04
1"	1S80CPVC45L	11.22
1¼"	114S80CPVC45L	22.00
1½"	112S80CPVC45L	22.59
2"	2S80CPVC45L	25.35
2½"	212S80CPVC45L	51.78
3"	3S80CPVC45L	66.54
4"	4S80CPVC45L	91.35
6"	6S80CPVC45L	281.41

Coupling



Slip

SIZE	STOCK NO	EACH
½"	12S80CPVCC	4.21
¾"	34S80CPVCC	5.89
1"	1S80CPVCC	7.94
1¼"	114S80CPVCC	11.87
1½"	112S80CPVCC	14.94
2"	2S80CPVCC	17.39
2½"	212S80CPVCC	38.69
3"	3S80CPVCC	42.03
4"	4S80CPVCC	55.06
6"	6S80CPVCC	129.70
Reducing Coupling		
2x1½"	2X112S80CPVCC	47.22
3x2"	3X2S80CPVCC	108.65
4x3"	4X3S80CPVCC	129.60

Female Adapter



Slip x FIP

SIZE	STOCK NO	EACH
½"	12S80CPVCFA	6.81
¾"	34S80CPVCFA	7.18
1"	1S80CPVCFA	16.62
1¼"	114S80CPVCFA	17.01
1½"	112S80CPVCFA	19.82
2"	2S80CPVCFA	34.16
2½"	212S80CPVCFA	65.52
3"	3S80CPVCFA	134.45
4"	4S80CPVCFA	223.79

Male Adapter



MIP x Slip

SIZE	STOCK NO	EACH
½"	12S80CPVCMA	5.44
¾"	34S80CPVCMA	6.64
1"	1S80CPVCMA	11.18
1¼"	114S80CPVCMA	16.47
1½"	112S80CPVCMA	22.29
2"	2S80CPVCMA	30.22
2½"	212S80CPVCMA	82.39
3"	3S80CPVCMA	110.74
4"	4S80CPVCMA	187.20

Adjustable Flange

SL x FL Adjustable • Schedule 80

SIZE	STOCK NO	EACH
2"	2S80CPVCFL	32.74
2½"	212S80CPVCFL	74.25
3"	3S80CPVCFL	77.74
4"	4S80CPVCFL	104.98
6"	6S80CPVCFL	163.42

Transition Bushing

IPS Spigot x CTS

SIZE	STOCK NO	EACH
½"	12CPVCTB	2.83
¾"	34CPVCTB	2.90
1"	1CPVCTB	3.19
1¼"	114CPVCTB	3.95
1½"	112CPVCTB	4.96
2"	2CPVCTB	5.44

Reducer Bushing Flush Style



Slip x slip

SIZE	STOCK NO	EACH
¾ x ½"	34x12S80CPVCB	4.50
1 x ½"	1X12S80CPVCB	6.98
1 x ¾"	1X34S80CPVCB	6.98
1¼ x ½"	114X12S80CPVCB	18.52
1¼ x ¾"	114X34S80CPVCB	18.52
1¼ x 1"	114X1S80CPVCB	18.52
1½ x ½"	112X12S80CPVCB	20.95
1½ x ¾"	112X34S80CPVCB	20.95
1½ x 1"	112X1S80CPVCB	20.95
1½ x 1¼"	112X114S80CPVCB	20.95
2 x ½"	2X12S80CPVCB	27.04
2 x ¾"	2X34S80CPVCB	27.04
2 x 1"	2X1S80CPVCB	27.04
2 x 1¼"	2X114S80CPVCB	27.04
2 x 1½"	2X112S80CPVCB	27.04
2½ x 1½"	212X112S80CPVCB	32.92
2½ x 2"	212X2S80CPVCB	32.92
3 x 2"	3X2S80CPVCB	50.17
3 x 2½"	3X212S80CPVCB	50.17
4 x 2"	4X2S80CPVCB	55.47
4 x 3"	4X3S80CPVCB	55.47
6 x 4"	6X4S80CPVCB	118.18

Union



Soc with Vitron® O-Ring Seal

SIZE	STOCK NO	EACH
½"	12S80CPVCUV	19.79
¾"	34S80CPVCUV	20.68
1"	1S80CPVCUV	24.82
1¼"	114S80CPVCUV	45.30
1½"	112S80CPVCUV	51.11
2"	2S80CPVCUV	84.74

Cap



Slip

SIZE	STOCK NO	EACH
½"	12S80CPVCCAP	6.57
¾"	34S80CPVCCAP	9.35
1"	1S80CPVCCAP	16.55
1¼"	114S80CPVCCAP	18.10
1½"	112S80CPVCCAP	18.10
2"	2S80CPVCCAP	19.10
2½"	212S80CPVCCAP	64.26
3"	3S80CPVCCAP	70.43
4"	4S80CPVCCAP	71.60

(02)

CPVC Union Ball Valves



Vitron® O-Ring Seals
Threaded and Socket ends

SIZE	STOCK NO	EACH
½"	12CPVCBAVA	90.88
¾"	34CPVCBAVA	114.48
1"	1CPVCBAVA	136.24
1¼"	114CPVCBAVA	223.35
1½"	112CPVCBAVA	223.35
2"	2CPVCBAVA	316.56

Con-Stab Gas I.D. Seal Fittings (08b)



Full Couplings

SIZE	STOCK NO	EACH
½" CTS	12GPCCTS	37.19
¾" IPS	34GPC	64.50
1" IPS	1GPC	95.74



Transition Fitting

SIZE	STOCK NO	EACH
½" CTS	12GPTFCTS	132.80
¾" IPS	34GPTF	130.69
1" IPS	1GPTF	179.33



Con-Stab ID Seal 3-Way Tees

SDR-11 PE STAB

SIZE	STOCK NO	EACH
¾" IPS	34GPT	174.30
1" IPS	1GPT	167.54

16" x 30" Risers

SIZE	STOCK NO	EACH
¾" IPS	34GPR	241.12
1" IPS	1GPR	283.43

15" x 30" Riser

SIZE	STOCK NO	EACH
½" CTS	12GPRCTS	192.94

(18)



Flexible Risers

For natural gas applications • SDR 11

SIZE	OUTLET	STOCK NO	EACH
¾" IPS x 36"	¾" MPT	XR34GPR	106.45
1" IPS x 36"	1" MPT	XR1GPR	180.83
2" IPS x 36"	2" MPT	XR2GPR	374.49

Yellow Gas Pipe

(18e)



No. 161-YG Yellow Gas Pipe

SIZE LENGTH	STOCK NO	PER FOOT
CTS		
½" x 150'	12X150YGP	.47
½" x 500'	12X500YGP	.47
IPS		
¾" x 150'	34X150YGP	.85
¾" x 500'	34X500YGP	.85
1" x 150'	1X150YGP	1.30
1" x 500'	1X500YGP	1.30
2" x 100'	2X100YGP	4.07
2" x 500'	2X500YGP	4.07

(37)



Yellow Gas Pipe Solid Tracer Wire

500' Spools

SIZE/COLOR	STOCK NO	EACH
#14 Blue	TW14B	.53
#12 Yellow	TW12Y	.54
#12 Blue	TW12B	.54

Chamfering Tools (08b)



Chamfering Tool

SIZE	STOCK NO	EACH
1" x ¾" IPS	1X34GPCHTO	95.01



Chamfering Tool

DR11

DESCRIPTION	STOCK NO	EACH
½" CTS	12CHTOCTS	95.01
¾"	34CHTO	95.01
1"	1CHTO	95.03
1¼"	114CHTO	95.03

CE Blue® Flexible Pipe



Poly Tube

For use in sprinkler systems

SIZE LENGTH	STOCK NO	PER FOOT
100 PSI @ 73° F. • SIDR-19		
1" x 100'	1X100CEBLUE100	.55
1" x 300'	1X300CEBLUE100	.55
1¼" x 100'	114X100CEBLUE100	.92
1¼" x 300'	114X300CEBLUE100	.92
1½" x 250'	112X250HD100	1.35
2" x 100'	2X100HD100	1.99
125 PSI @ 73° F • SIDR-15		
¾" x 100'	34X100HD125	.47
¾" x 400'	34X400HD125	.47
200 PSI @ 73° F. • SIDR-9 • IPS		
¾" x 400'	34X400CEBLUE200	.72
1" x 100'	1X100CEBLUE200	1.05
1" x 300'	1X300CEBLUE200	1.05
1¼" x 100'	114X100CEBLUE200	1.97
1¼" x 300'	114X300CEBLUE200	1.97
200 PSI @ 73° F. • SIDR-9		
1½" x 100'	112X100HD200	2.85
2" X 100'	2X100HD200	4.70
2" X 200'	2X200HD200	4.70
250 PSI @ 73° F. • SIDR-7 • IPS		
1" x 100'	1X100CEBLUE250	1.47
1" x 300'	1X300CEBLUE250	1.47

Poly Tube

Copper Tube Size
AWWAC-901 • SDR-9 • 250 PSI @ 73° F

SIZE LENGTH	STOCK NO	PER FOOT
1"x100'	1X100CEBLUE250CTS	1.10
1"x300'	1X300CEBLUE250CTS	1.10
1¼"x100'	114X100CEBLUE250CTS	1.52
1¼"x300'	114X300CEBLUE250CTS	1.52
1½"x100'	112X100CEBLUE250CTS	2.27
1½"x300'	112X300CEBLUE250CTS	2.27
2"x100'	2X100CEBLUE250CTS	3.82
2"x200'	2X200CEBLUE250CTS	3.82

Steel Insert Fittings

Couplings



Insert x Insert

SIZE	STOCK NO	EACH
½"	12GSIC	1.16
¾"	34GSIC	1.65
1"	1GSIC	1.98
1¼"	114GSIC	3.60
1½"	112GSIC	4.14
2"	2GSIC	5.66

Male Adapters



Insert x MIP

SIZE	STOCK NO	EACH
½"	12GSMIA	1.22
¾"	34GSMIA	1.54
1"	1GSMIA	2.13
1¼"	114GSMIA	2.81
1½"	112GSMIA	3.70
2"	2GSMIA	5.29

Red Brass Insert Fittings

Elbows



Insert x Insert

SIZE	STOCK NO	EACH
¾"	34RBIL	14.55
1"	1RBIL	23.68
1¼"	114RBIL	35.32

Elbows



SIZE	STOCK NO	EACH
Insert x MIP		
¾"	34RBMIL	14.23
1"	1RBMIL	21.02
1 x ¾"	1X34RBMIL	18.21
1¼"	114RBMIL	30.06
Insert x FIP		
1"	1RBFIL	24.84

Elbows

Insert x Male (with 1/4" Tap)

SIZE	STOCK NO	EACH
¾"	34RBMILT	10.19
1"	1RBMILT	15.21
1 x ¾"	1X34RBMILT	11.41

Tees



Insert x Insert x Insert

SIZE	STOCK NO	EACH
¾"	34RBIT	17.82
1"	1RBIT	27.00
1¼"	114RBIT	41.55

Hydrant Tee



SIZE	STOCK NO	EACH
1"insert x ¾"NPT	RBHT7510	21.95
1"insert x 1"NPT	RBHT1000	23.79

Adapters



SIZE	STOCK NO	EACH
Insert x MIP		
¾"	34RBMIA	10.04
1"	1RBMIA	13.26
1¼"	114RBMIA	19.51
Insert x FIP		
1"	1RBFIA	16.52
1¼"	114RBFIA	20.63

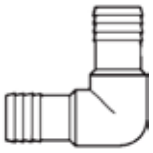
Adapters (Campbell)

SIZE	STOCK NO	EACH
Insert x MIP		
¾"	CA34RBMIA	17.24
1"	CA1RBMIA	21.90
1¼"	CA114RBMIA	40.74
1½"	CA112RBMIA	48.15
2"	CA2RBMIA	62.76

Red Brass Insert Coupling

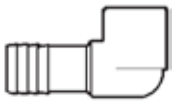
SIZE	STOCK NO	EACH
¾"	34RBIC	10.13
1"	1RBIC	16.12
1¼"	114RBIC	23.48
1½"	112RBIC	39.99
2"	2RBIC	53.76

Plastic Insert Fittings



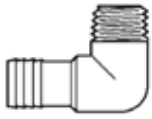
Elbows
Insert x Insert

SIZE	STOCK NO	EACH
½"	12PLIL	1.83
¾"	34PLIL	2.24
1"	1PLIL	2.48
1¼"	114PLIL	2.77
1½"	112PLIL	3.27
2"	2PLIL	4.56



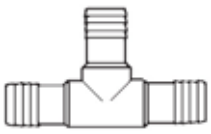
Elbows
Insert x FIP

SIZE	STOCK NO	EACH
½"	12PLFIL	2.06
¾"	34PLFIL	2.24
1"	1PLFIL	2.88
Reducing Elbows		
¾ x ½"	34X12PLFIL	2.19
1 x ½"	1X12PLFIL	2.31
1 x ¾"	1X34PLFIL	2.70



Elbows
Insert x MIP

SIZE	STOCK NO	EACH
1"	1PLMIL	4.18



Tee
Insert x Insert x Insert

SIZE	STOCK NO	EACH
½"	12PLIT	2.00
¾" x ½"	34X12PLIT	2.45
¾"	34PLIT	2.17
1"	1PLIT	2.82
2"	2PLIT	9.88
Reducing Tee		
1¼ x 1¼ x 1"	114X114X1PLIT	3.91

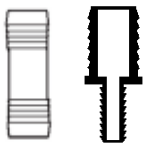
Cut-off Nipple
MIPxMIP

SIZE	STOCK NO	EACH
½ x 6"	12X6PLCON	2.23
¾ x 6"	34X6PLCON	5.34



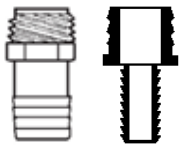
Tee
Insert x FIP

SIZE	STOCK NO	EACH
¾"	34PLFIT	3.27
1"	1PLFIT	3.85
1¼"	114PLFIT	5.65
Reducing Tee		
Insert x Insert x FIP		
1x1x ¾"	1X1X34PLFIT	3.68



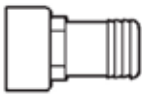
Couplings
Insert x Insert

SIZE	STOCK NO	EACH
Straight		
½"	12PLIC	.93
¾"	34PLIC	1.12
1"	1PLIC	1.18
1¼"	114PLIC	1.74
1½"	112PLIC	2.05
2"	2PLIC	3.88
Reducing		
¾ x ½"	34X12PLIC	1.57
1 x ¾"	1X34PLIC	1.57
1¼ x 1"	114X1PLIC	2.56
1½ x 1"	112X1PLIC	3.86
1½ x 1¼"	112X114PLIC	3.01



Male Adapters

SIZE	STOCK NO	EACH
Insert x MIP		
½"	12PLMIA	.92
¾"	34PLMIA	1.12
1"	1PLMIA	1.15
1¼"	114PLMIA	1.83
1½"	112PLMIA	2.05
2"	2PLMIA	3.94
MIP x Insert		
½ x ¾"	12X34PLMIA	2.90
¾ x ½"	34X12PLMIA	2.72
¾ x 1"	34X1PLMIA	3.14
1 x ¾"	1X34PLMIA	2.71



Female Adapters
Insert x FIP

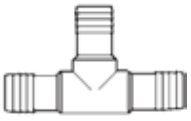
SIZE	STOCK NO	EACH
½"	12PLFIA	4.07
¾"	34PLFIA	4.44
1"	1PLFIA	4.91
1¼"	114PLFIA	6.24
1½"	112PLFIA	7.92

Nylon Insert Fittings



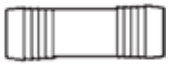
90° Elbows
Insert x Insert

SIZE	STOCK NO	EACH
¾"	34NYIL	1.51
1"	1NYIL	1.81
1¼"	114NYIL	3.11
1½'	112NYIL	4.73
2"	2NYIL	6.33



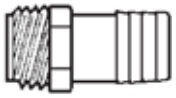
Tees
Insert x Insert x Insert

SIZE	STOCK NO	EACH
½"	12NYIT	1.54
¾"	34NYIT	1.81
1"	1NYIT	2.96
1¼"	114NYIT	5.01
1½"	112NYIT	7.06



Couplings
Insert x Insert

SIZE	STOCK NO	EACH
½"	12NYIC	.78
¾"	34NYIC	.95
1"	1NYIC	1.26
1¼"	114NYIC	2.23
1½"	112NYIC	3.02
2"	2NYIC	3.82



Male Adapters
Insert x MIP

SIZE	STOCK NO	EACH
½"	12NYMIA	.78
¾"	34NYMIA	.97
1"	1NYMIA	1.26
1¼"	114NYMIA	2.01
1½"	112NYMIA	2.85
2"	2NYMIA	4.50



Stainless Steel Clamps

SIZE	STOCK NO	EACH
9/16 — 1¼"	114SSCL	1.08
11/16 — 1½"	112SSCL	1.08
¾ — 1¾"	134SSCL	1.08
1 1/16 — 2"	2SSCL	1.08
1 9/16 — 2½"	212SSCL	1.08
1 13/16 — 2¾"	234SSCL	1.10
2 13/16 — 3¾"	334SSCL	1.75

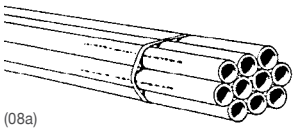
Tridon Stainless Steel Well Casing Clamp

SIZE	MODEL	STOCK NO	EACH
3-5"	620-072	5SSCL	1.66
4-6"	620-088	6SSCL	2.25
5-7"	620-104	7SSCL	2.07

PVC Pipe and Fittings (08)

Schedule 40

cresline.com



(08a)

ASTM D-1785 Schedule 40

Belled End

PIPE SIZE	STOCK NO	PER FOOT
½" x 20'	12X20PVBE	.39
¾ "x 20'	34X20PVBE	.48
1" x 20'	1X20PVBE	.75
1¼" x 20	114X20PVBE	.94
1½" x 20	112X20PVBE	1.18
2" x 20'	2X20PVBE	1.53
2½" x 20'	212X20PVBE	2.61
3" x 20'	3X20PVBE	3.11
4" x 10'	4X10PVBE	4.14
4" x 20'	4X20PVBE	4.14
6" x 10'	6X10PVBE	7.80



90° Elbow

Slip x Slip

SIZE	STOCK NO	EACH
½"	12PVL	.58
¾"	34PVL	.66
1"	1PVL	1.16
1¼"	114PVL	2.07
1½"	112PVL	2.21
2"	2PVL	3.47
2½"	212PVL	10.56
3"	3PVL	12.64
4"	4PVL	22.59
6"	6PVL	71.84
8"	8PVL	185.00

90° Elbow

Slip x FPT

SIZE	STOCK NO	EACH
½"	12PVFAL	.71
¾"	34PVFAL	.82
1"	1PVFAL	1.56
1¼"	114PVFAL	2.60
1½'	112PVFAL	2.89
2"	2PVFAL	7.41

90° Elbow

Slip x MIP

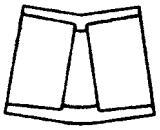
SIZE	STOCK NO	EACH
¾"	34PVMAL	1.49



90° Street Elbow

Spigot x Socket

SIZE	STOCK NO	EACH
½"	12PVSL	1.64
¾"	34PVSL	2.01
1"	1PVSL	3.47
1¼"	114PVSL	4.14
1½"	112PVSL	4.57
2"	2PVSL	8.83



22½° Elbow

Slip x Slip

SIZE	STOCK NO	EACH
2"	2PV22L	6.04



45° Elbow

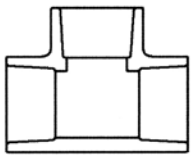
Slip x Slip

SIZE	STOCK NO	EACH
½"	12PV45L	.96
¾"	34PV45L	1.49
1"	1PV45L	1.78
1¼"	114PV45L	2.49
1½"	112PV45L	3.11
2"	2PV45L	4.07
2½"	212PV45L	10.57
3"	3PV45L	16.42
4"	4PV45L	29.43
6"	6PV45L	72.71
8"	8PV45L	174.88

45° Street Elbow

Spigot x Socket

SIZE	STOCK NO	EACH
½"	12PVS45L	1.10
¾"	34PVS45L	1.72



PVC Pressure Pipe Fittings Straight Tee

All Slip

SIZE	STOCK NO	EACH
½"	12PVT	.71
¾"	34PVT	.82
1"	1PVT	1.56
1¼"	114PVT	2.41
1½"	112PVT	2.93
2"	2PVT	4.29
2 x 1"	2X1PVT	4.57
2½"	212PVT	14.11
3"	3PVT	18.54
3 x 2"	3X2PVT	20.13
4"	4PVT	33.53
6"	6PVT	112.89
Reducing Tee		
¾ x ½"	34X12PVT	.96
1 x ¾"	1X34PVT	1.78
1¼ x ¾"	114X34PVT	2.65
1¼ x 1"	114X1PVT	2.65
1½ x 1"	112X1PVT	4.65
2 x 1¼"	2X114PVT	4.57
2 x 1½"	2X112PVT	4.57

Tee

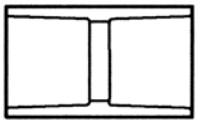
Slip x Slip x FIP

SIZE	STOCK NO	EACH
2" x ¾"	2X34PVFT	7.14
3" x ¾"	3x34PVFT	22.11

Cross

All Slip

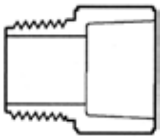
SIZE	STOCK NO	EACH
1½"	112PVX	6.85
2"	2PVX	10.11



Coupling

Slip x Slip

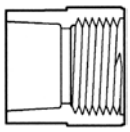
SIZE	STOCK NO	EACH
½"	12PVC	.37
¾"	34PVC	.52
1"	1PVC	.92
1¼"	114PVC	1.27
1½"	112PVC	1.36
2"	2PVC	2.08
2½"	212PVC	4.57
3"	3PVC	7.16
4"	4PVC	10.37
5"	5PVC	18.98
6"	6PVC	32.79
Reducing Coupling		
1 x ¾"	1X34PVC	1.64



Male Adapters

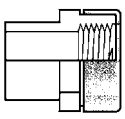
SIZE	STOCK NO	EACH
½"	12PVMA	.52
¾"	34PVMA	.58
1"	1PVMA	1.04
1¼"	114PVMA	1.27
1½"	112PVMA	1.70
2"	2PVMA	2.22
2½"	212PVMA	6.58
3"	3PVMA	9.60
4"	4PVMA	12.25
5"	5PVMA	POA*
6"	6PVMA	31.95
½ x ¾"	12X34PVMA	.96
¾ x ½"	34X12PVMA	1.04
1 x ¾"	1X34PVMA	1.49
1¼ x 1 "	114X1PVMA	3.47
1½ x 1¼"	112X114PVMA	3.91
2 x 1½"	2X112PVMA	4.73

***Price on Application**



Female Adapter

SIZE	STOCK NO	EACH
½"	12PVFA	.66
¾"	34PVFA	.82
1"	1PVFA	.96
1¼"	114PVFA	1.49
1½"	112PVFA	1.70
2"	2PVFA	2.27
2½"	212PVFA	5.77
3"	3PVFA	7.75
4"	4PVFA	12.83
6"	6PVFA	47.22
8"	8PVFA	89.04



Female Adapter

Spig x SR Fipt

SIZE	STOCK NO	EACH
2"	2PVSRFFA	51.73

PVC Pipe and Fittings (08)

Schedule 40

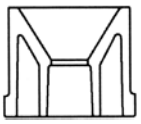
cresline.com



Union

Soc with Buna O-Ring Seal

SIZE	STOCK NO	EACH
½"	12PVU	5.69
¾"	34PVU	6.45
1"	1PVU	6.65
1¼"	114PVU	21.44
1½"	112PVU	22.33
2"	2PVU	30.10

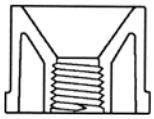


Reducing Bushings

Slip x Slip

SIZE	STOCK NO	EACH
¾ x ½"	34X12PVB	.61
1 x ¾"	1X34PVB	1.10
1 x ½"	1X12PVB	1.10
1¼ x 1"	114X1PVB	1.49
1¼ x ¾"	114X34PVB	1.49
1¼ x ½"	114X12PVB	1.49
1½ x 1¼"	112X114PVB	1.57
1½ x 1"	112X1PVB	1.57
1½ x ¾"	112X34PVB	1.57
1½ x ½"	112X12PVB	1.57
2 x 1½"	2X112PVB	2.60
2 x 1¼"	2X114PVB	2.60
2 x 1"	2X1PVB	2.60
2 x ¾"	2X34PVB	2.60
2 x ½"	2X12PVB	2.60
2½ x 2"	212X2PVB	4.15
2½ x 1½"	212X112PVB	4.15
2½ x 1¼"	212X114PVB	4.15
3 x 2½"	3X212PVB	6.14
3 x 2"	3X2PVB	6.14
3 x 1½"	3X112PVB	6.14
4 x 2½"	4X212PVB	POA*
4 x 3"	4X3PVB	13.71
4 x 2"	4X2PVB	13.71
6 x 4"	6X4PVB	33.93
8 x 4"	8X4PVB	118.42
8 x 6"	8X6PVB	118.42

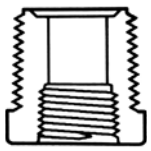
***Price on Application**



Bushings

Slip x FIP

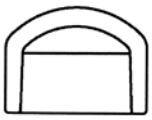
SIZE	STOCK NO	EACH
¾ x ½"	34X12PVFAB	.96
1 x ¾"	1X34PVFAB	1.56
1 x ½"	1X12PVFAB	1.56
1¼ x 1"	114X1PVFAB	2.37
1¼ x ¾"	114X34PVFAB	2.37
1¼ x ½"	114X12PVFAB	2.37
1½ x 1¼"	112X114PVFAB	2.74
1½ x 1"	112X1PVFAB	2.74
1½ x ¾"	112X34PVFAB	2.74
1½ x ½"	112X12PVFAB	2.74
2 x 1½"	2X112PVFAB	3.67
2 x 1¼"	2X114PVFAB	3.67
2 x 1"	2X1PVFAB	3.67
2 x ¾"	2X34PVFAB	3.67
2 x ½"	2X12PVFAB	3.67
2½ x 2"	212X2PVFAB	5.33
2½ x 1½"	212X112PVFAB	5.33
2½ x 1¼"	212X114PVFAB	5.33
3 x 2"	3X2PVFAB	6.14
3 x 1½"	3X112PVFAB	6.14
4 x 2"	4X2PVFAB	13.68
4 x 3"	4X3PVFAB	13.68



Bushings

MIP x FIP

SIZE	STOCK NO	EACH
¾ x ½"	34X12PVMFB	1.70
1 x ¾"	1X34PVMFB	2.37
1 x ½"	1X12PVMFB	2.37
1¼ x 1"	114X1PVMFB	3.54
1¼ x ¾"	114X34PVMFB	3.54
1½ x 1¼"	112X114PVMFB	4.29
1½ x 1"	112X1PVMFB	4.29
1½ x ¾"	112X34PVMFB	4.29
1½ x ½"	112X12PVMFB	4.29
2 x 1½"	2X112PVMFB	4.57
2 x 1¼"	2X114PVMFB	4.57
2 x 1"	2X1PVMFB	4.57



Cap

Slip

SIZE	STOCK NO	EACH
½"	12PVCAP	.52
¾"	34PVCAP	.61
1"	1PVCAP	.96
1¼"	114PVCAP	1.36
1½"	112PVCAP	1.49
2"	2PVCAP	1.78
2½"	212PVCAP	5.69
3"	3PVCAP	6.19
4"	4PVCAP	14.11
5"	5PVCAP	23.71
6"	6PVCAP	33.84
8"	8PVCAP	64.09

Cap

FPT

SIZE	STOCK NO	EACH
½"	12PVSCCAP	1.10
¾"	34PVSCCAP	1.27
1"	1PVSCCAP	1.92
1¼"	114PVSCCAP	2.27
1½"	112PVSCCAP	2.37
2"	2PVSCCAP	4.21



Plug

MIP

SIZE	STOCK NO	EACH
½"	12PVSCP	1.57
¾"	34PVSCP	1.68
1"	1PVSCP	2.74
1¼"	114PVSCP	2.89
1½"	112PVSCP	3.08
2"	2PVSCP	3.99
2½"	212PVSCP	5.55
3"	3PVSCP	8.41
4"	4PVSCP	18.97



Compression Couplings

Comp x Comp

SIZE	STOCK NO	EACH
¾"	34PVCC	12.89
1"	1PVCC	16.79
1¼"	114PVCC	28.47
1½"	112PVCC	26.49
2"	2PVCC	34.45
3"	3PVCC	84.83
4"	4PVCC	139.52



Telescoping Repair Couplings

SIZE	STOCK NO	EACH
1½"	112PVRC	33.30
2"	2PVRC	50.90
3"	3PVRC	98.81

(08)

Deep Socket Coupling

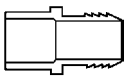
Slip x Slip

SIZE	STOCK NO	EACH
2"	2PVLC	6.07
4"	4PVLC	23.65

Transition Coupling

#4141-007

SIZE	STOCK NO	EACH
¾"	34PVTC	3.37



Insert Adapter

Insert x I.P.S. Spigot

SIZE	STOCK NO	EACH
1"	1INSF	2.90

PVC Pipe and Fittings (08)

Schedule 80

cresline.com



(08a)

Schedule 80

PIPE SIZE	STOCK NO	PER FOOT
20' Lengths		
½"	12X20PV80	1.20
¾"	34X20PV80	1.63
1"	1X20PV80	2.40
1¼"	114X20PV80	3.46
1½"	112X20PV80	3.74
2"	2X20PV80	5.32
2½"	212X20PV80	8.68
3"	3X20PV80	10.66
4"	4X20PV80	15.34
6"	6X20PV80	29.67
8"	8X20PV80	44.71

(08a)

Class 160 with Belled End

Working Pressure 160 PSI @ 73° F.

SIZE	STOCK NO	FOOT
3"	3X20PV160	2.71

(08a)

Class 200

Working Pressure 200 PSI @ 73° F.

SIZE	STOCK NO	FOOT
¾"	34X20PV200	.33
1"	1X20PV200	.44
1¼"	114X20PV200	.77
1½"	112X20PV200	.96

Well Casing with Belled End

Class 200

SIZE	STOCK NO	FOOT
4x20	4X20PVWCBE	5.07
5x20	5X20PVWCBE	8.07
6x20	6X20PVWCBE	10.99



(08a)

Shur-Align Schedule 120 Drop Pipe

PIPE SIZE	STOCK NO	PER FOOT
20' Lengths		
1"	1X20S120PVDP	3.27
1¼"	114X20S120PVDP	4.52
2"	2X20S120PVDP	7.75
3"	3X20S120PVDP	16.85

(08a)

Drop Pipe

Schedule 80

SIZE	STOCK NO	FOOT
1"	1X20PVDP	1.75
1¼"	114X20PVDP	2.42
2"	2X20PVDP	4.07

(08)

PVC Machine Couplings

SIZE	STOCK NO	EACH
1"	1PVMCXH	9.02
1¼"	114PVMCXH	10.40



90° Elbow

Slip x Slip

SIZE	STOCK NO	EACH
½"	12S80PVL	2.18
¾"	34S80PVL	2.78
1"	1S80PVL	4.50
1¼"	114S80PVL	6.02
1½"	112S80PVL	6.44
2"	2S80PVL	7.79
2½"	212S80PVL	18.21
3"	3S80PVL	20.47
4"	4S80PVL	31.13
6"	6S80PVL	88.60
8"	8S80PVL	244.21



90° Elbow

FIP x FIP

SIZE	STOCK NO	EACH
½"	12S80PVSCL	5.05
¾"	34S80PVSCL	6.30
1"	1S80PVSCL	7.92
1¼"	114S80PVSCL	8.53
1½"	112S80PVSCL	12.11
2"	2S80PVSCL	13.62



90° Elbow

FIP x FIP - Special Reinforced

SIZE	STOCK NO	EACH
½"	12S80PVSRL	9.92
¾"	34S80PVSRL	12.47



90° Elbow

Spigot to Socket

SIZE	STOCK NO	EACH
¾"	34S80PVSL	3.67



45° Elbow

Slip x Slip

SIZE	STOCK NO	EACH
½"	12S80PV45L	4.10
¾"	34S80PV45L	6.27
1"	1S80PV45L	9.41
1¼"	114S80PV45L	11.99
1½"	112S80PV45L	14.18
2"	2S80PV45L	18.37
2½"	212S80PV45L	38.58
3"	3S80PV45L	46.96
4"	4S80PV45L	84.55
6"	6S80PV45L	106.48
8"	8S80PV45L	230.85



45° Elbow

FIP x FIP

SIZE	STOCK NO	EACH
½"	12S80PVSC45L	8.10
¾"	34S80PVSC45L	8.71
1"	1S80PVSC45L	10.94
2"	2S80PVSC45L	31.09



22½° Elbow

Slip x Slip

SIZE	STOCK NO	EACH
1½"	112S80PV22L	19.42
2"	2S80PV22L	22.69

PVC Pipe and Fittings (08)
Schedule 80
cresline.com



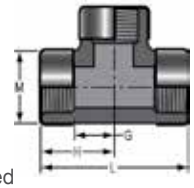
Tees
Slip x Slip

SIZE	STOCK NO	EACH
½"	12S80PVT	6.16
¾"	34S80PVT	6.44
1"	1S80PVT	8.07
1¼"	114S80PVT	22.16
1½"	112S80PVT	22.16
2"	2S80PVT	27.72
2½"	212S80PVT	30.13
3"	3S80PVT	37.66
4"	4S80PVT	43.65
6"	6S80PVT	149.00
8"	8S80PVT	345.58



Tees
FIP x FIP

SIZE	STOCK NO	EACH
½"	12S80PVSCT	7.11
¾"	34S80PVSCT	7.92
1"	1S80PVSCT	17.47
1¼"	114S80PVSCT	18.52
1½"	112S80PVSCT	22.46
2"	2S80PVSCT	24.13



Tees
FIP x FIP - Special Reinforced

SIZE	STOCK NO	EACH
½"	12S80PVSRT	21.26
¾"	34S80PVSRT	23.38



Reducing Tee
Slip

SIZE	STOCK NO	EACH
3x2"	3X2S80PVT	34.37
4x3"	4X3S80PVT	55.55
6x4"	6X4S80PVT	149.00
8x6"	8X6S80PVT	345.58



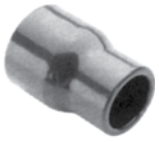
Cross
Slip

SIZE	STOCK NO	EACH
1½"	112S80PVX	53.74
2"	2S80PVX	59.87



Straight Couplings
Slip x Slip

SIZE	STOCK NO	EACH
½"	12S80PVC	3.95
¾"	34S80PVC	5.35
1"	1S80PVC	5.49
1¼"	114S80PVC	8.37
1½"	112S80PVC	9.03
2"	2S80PVC	9.69
2½"	212S80PVC	23.85
3"	3S80PVC	27.39
4"	4S80PVC	34.29
6"	6S80PVC	73.79
8"	8S80PVC	100.43



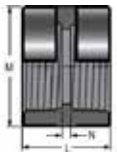
Reducer Coupling
Slip

SIZE	STOCK NO	EACH
1½x1"	112X1S80PVC	18.50
2x1"	2X1S80PVC	17.75
2x1½"	2X112S80PVC	16.89
3x2"	3X2S80PVC	41.48
4x2"	4X2S80PVC	83.11
4x3"	4X3S80PVC	78.16
6x4"	6X4S80PVC	159.42
8x6"	8X6S80PVC	482.82



Couplings
FIP x FIP

SIZE	STOCK NO	EACH
½"	12S80PVSCC	4.41
¾"	34S80PVSCC	6.31
1"	1S80PVSCC	6.76
1¼"	114S80PVSCC	8.37
1½"	112S80PVSCC	18.61
2"	2S80PVSCC	19.55



Couplings
FIP x FIP - Special Reinforced

SIZE	STOCK NO	EACH
½"	12S80PVSRC	8.11
¾"	34S80PVSRC	11.54



Female Spigot Adapter
Spigot x MIPT - Brass Transition

SIZE	STOCK NO	EACH
1"	1S80PVCFMA	11.77



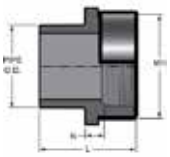
Male Adapter
Slip x MIP

SIZE	STOCK NO	EACH
½"	12S80PVMA	4.63
¾"	34S80PVMA	5.09
1"	1S80PVMA	8.81
1¼"	114S80PVMA	10.30
1½"	112S80PVMA	14.80
2"	2S80PVMA	21.41
3"	3S80PVMA	27.00
4"	4S80PVMA	48.04
6"	6S80PVMA	112.14



Female Adapter
Slip x FIP

SIZE	STOCK NO	EACH
½"	12S80PVFA	3.69
¾"	34S80PVFA	5.49
1"	1S80PVFA	8.10
1¼"	114S80PVFA	13.11
1½"	112S80PVFA	16.07
2"	2S80PVFA	28.05
2½"	212S80PVFA	44.28
3"	3S80PVFA	49.85
4"	4S80PVFA	85.69



Female Adapter
Slip x FIP - Special Reinforced

SIZE	STOCK NO	EACH
¾"	34S80PVSRFA	9.94



See Page 1231 for applicable cements and cleaners



Unions
Slip x Slip

SIZE	STOCK NO	EACH
½"	12S80PVU	7.92
¾"	34S80PVU	10.29
1"	1S80PVU	11.74
1¼"	114S80PVU	23.32
1½"	112S80PVU	26.40
2"	2S80PVU	35.78



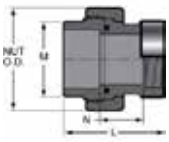
Unions
FIP x FIP

SIZE	STOCK NO	EACH
½"	12S80PVSCU	9.39
¾"	34S80PVSCU	13.16
1"	1S80PVSCU	17.48
1¼"	114S80PVSCU	33.37
1½"	112S80PVSCU	41.32
2"	2S80PVSCU	63.56



Union
Soc with Vitron® O-Ring Seal

SIZE	STOCK NO	EACH
½"	12S80PVUV	8.50
¾"	34S80PVUV	10.82
1"	1S80PVUV	12.34
1¼"	114S80PVUV	24.50
1½"	112S80PVUV	30.73
2"	2S80PVUV	37.61
2½"	212S80PVUV	60.24
3"	3S80PVUV	70.04
4"	4S80PVUV	97.54



Union
Socket - Special Reinforced

SIZE	STOCK NO	EACH
¾"	34S80PVSRU	25.04



Reducer Bushing Flush Style
Slip x Slip

SIZE	STOCK NO	EACH
¾x ½"	34X12S80PVB	1.27
1 x ½"	1X12S80PVB	3.65
1 x ¾"	1X34S80PVB	3.65
1¼ x ½"	114X12S80PVB	5.72
1¼ x ¾"	114X34S80PVB	5.72
1¼ x 1"	114X1S80PVB	5.72
1½ x ½"	112X12S80PVB	7.79
1½ x ¾"	112X34S80PVB	7.79
1½ x 1"	112X1S80PVB	7.79
1½ x1¼"	112X114S80PVB	7.79
2x½"	2X12S80PVB	11.09
2 x ¾"	2X34S80PVB	11.09
2 x 1"	2X1S80PVB	11.09
2 x 1¼"	2X114S80PVB	11.09
2 x 1½"	2X112S80PVB	11.09
2½ x 2"	212X2S80PVB	19.28
3x1½"	3X112S80PVB	30.58
3 x 2"	3X2S80PVB	30.58
3 x 2½"	3X212S80PVB	30.58
4 x 2"	4X2S80PVB	42.34
4 x 3"	4X3S80PVB	42.34
6x4"	6X4S80PVB	58.86
8x6"	8X6S80PVB	143.20



Reducer Bushing Flush Style
Slip x FIP

SIZE	STOCK NO	EACH
½ x ¼"	12X14S80PVFB	3.49
½ x ⅜"	12X38S80PVFB	3.67
¾ x ¼"	34X14S80PVFB	2.67
¾ x ½"	34X12S80PVFB	2.30
1 x ½"	1X12S80PVFB	3.65
1 x ¾"	1X34S80PVFB	3.65
1¼ x 1"	114X1S80PVFB	7.40
1½ x ½"	112X12S80PVFB	9.28
1½ x ¾"	112X34S80PVFB	9.28
1½ x 1"	112X1S80PVFB	9.28
1½ x 1¼"	112X114S80PVFB	9.28
2 x ½"	2X12S80PVFB	11.34
2 x ¾"	2X34S80PVFB	11.34
2 x 1"	2X1S80PVFB	11.34
2 x 1½"	2X112S80PVFB	11.34
2½ x 2"	212X2S80PVFB	24.00
3 x 1½"	3X112S80PVFB	46.72
3 x 2"	3X2S80PVFB	44.45
4 x 2"	4X2S80PVFB	68.29
4 x 3"	4X3S80PVFB	68.29



Reducer Bushing Flush Style
MIP x FIP

SIZE	STOCK NO	EACH
½ x ¼"	12X14S80PVMFB	7.95
¾ x ¼"	34X14S80PVMFB	5.93
¾ x ½"	34X12S80PVMFB	4.88
1 x ½"	1X12S80PVMFB	7.65
1 x ¾"	1X34S80PVMFB	7.65
1¼ x1"	114X1S80PVMFB	8.12
1½ x ¾"	112X34S80PVMFB	9.62
1½ x 1"	112X1S80PVMFB	9.62
1½ x1¼"	112X114S80PVMFB	9.62
2 x ¾"	2X34S80PVMFB	14.09
2 x1"	2X1S80PVMFB	14.09
2 x1½"	2X112S80PVMFB	14.09
3 x1½"	3X112S80PVMFB	25.93
3 x 2"	3X2S80PVMFB	25.93
4 x 2"	4X2S80PVMFB	52.34
4 x 3"	4X3S80PVMFB	68.29



Caps
Slip x Slip

SIZE	STOCK NO	EACH
½"	12S80PVCAP	3.87
¾"	34S80PVCAP	4.07
1"	1S80PVCAP	7.23
1¼"	114S80PVCAP	8.73
1½"	112S80PVCAP	8.73
2"	2S80PVCAP	17.24
2½"	212S80PVCAP	35.20
3"	3S80PVCAP	41.19
4"	4S80PVCAP	69.46
6"	6S80PVCAP	172.79
8"	8S80PVCAP	221.84



Caps
FIP x FIP

SIZE	STOCK NO	EACH
½"	12S80PVSCCAP	4.83
¾"	34S80PVSCCAP	5.41
1"	1S80PVSCCAP	6.82
1¼"	114S80PVSCCAP	8.12
1½"	112S80PVSCCAP	9.28
2"	2S80PVSCCAP	18.21



Plug
MIP

SIZE	STOCK NO	EACH
½"	12S80PVPL	3.91
¾"	34S80PVPL	4.06



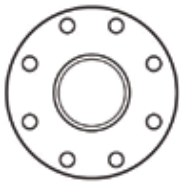
Flanges
4",6",8",10" & 12"-Van Stone
Slip to Flange

SIZE	STOCK NO	EACH
2"	2S80PVF	19.91
2½"	212S80PVF	30.74
3"	3S80PVF	33.96
4"	4S80PVF	42.95
6"	6S80PVF	67.58
8"	8S80PVF	110.06
10"	10S80PVF	297.93
12"	12S80PVF	321.21



Solid Flange
FIP to Flange

SIZE	STOCK NO	EACH
2"	2S80PVSCF	28.24



Blind Flange
- 1/2"–12" Molded - 150psi Maximum Internal Pressure Rating @ 73°F
- 14"–24" fabricated - 50psi Maximum Internal Pressure Rating @ 73°F

SIZE	STOCK NO	EACH
1½"	112S80PVBF	33.47
2"	2S80PVBF	50.00
2½"	212S80PVBF	81.46
3"	3S80PVBF	98.30
4"	4S80PVBF	122.48
6"	6S80PVBF	148.82
8"	8S80PVBF	186.28
12"	12S80PVBF	1049.49

Neoprene Flange Gasket

SIZE	STOCK NO	EACH
2"	2PVFLGA	4.36
2½	212PVFLGA	5.61
3"	3PVFLGA	6.33
4"	4PVFLGA	8.72
6"	6PVFLGA	11.36

Nipples
Schedule 80

SIZE	STOCK NO	EACH
¼ x Cl	14XCPVNIP	1.77
½ x Cl.	12XCPVNIP	1.16
½ x 2"	12X2PVNIP	1.25
½ x 2½"	12X212PVNIP	1.30
½ x 3"	12X3PVNIP	1.45
½ x 3½"	12X312PVNIP	1.45
½ x 4"	12X4PVNIP	1.58
½ x 4½"	12X412PVNIP	1.58
½ x 5"	12X5PVNIP	1.85
½ x 5½"	12X512PVNIP	1.85
½ x 6"	12X6PVNIP	2.09
¾ x Cl.	34XCPVNIP	1.25
¾ x Sh.	34XSPVNIP	1.25
¾ x 2"	34X2PVNIP	1.30
¾ x 2½"	34X212PVNIP	1.30
¾ x 3"	34X3PVNIP	1.52
¾ x 3½"	34X312PVNIP	1.52
¾ x 4"	34X4PVNIP	1.83
¾ x 4½"	34X412PVNIP	1.83
¾ x 5.	34X5PVNIP	2.16
¾ x 5½"	34X512PVNIP	1.39
¾ x 6"	34X6PVNIP	2.47
1 x Cl.	1XCPVNIP	1.83
1 x Sh.	1XSPVNIP	1.92
1 x 2½"	1X212PVNIP	1.23
1 x 3"	1X3PVNIP	2.23
1 x 3½"	1X312PVNIP	2.23
1 x 4"	1X4PVNIP	2.62
1 x 4½"	1X412PVNIP	2.62
1 x 5"	1X5PVNIP	3.28
1 x 5½"	1X512PVNIP	3.28
1 x 6"	1X6PVNIP	3.61
1¼ x Cl.	114XCPVNIP	2.31
1¼ x Sh.	114XSPVNIP	2.45
1¼ x 2½"	114X212PVNIP	2.45
1¼ x 3.	114X3PVNIP	2.94
1¼ x 3½"	114X312PVNIP	2.94
1¼ x 4.	114X4PVNIP	3.38
1¼ x 4½"	114X412PVNIP	3.38
1¼ x 5.	114X5PVNIP	4.05
1¼ x 5½"	114X512PVNIP	4.05
1¼ x 6.	114X6PVNIP	4.50
1½ x Cl.	112XCPVNIP	2.89
1½ x Sh.	112XSPVNIP	3.10
1½ x 3.	112X3PVNIP	3.61
1½ x 4.	112X4PVNIP	4.13
1½ x 5.	112X5PVNIP	4.73
1½ x 6.	112X6PVNIP	5.39
2 x Cl.	2XCPVNIP	3.79
2 x Sh.	2XSPVNIP	4.23
2 x 3"	2X3PVNIP	4.50
2 x 3½"	2X312PVNIP	7.01
2 x 4"	2X4PVNIP	5.21
2 x 4½"	2X412PVNIP	6.13
2 x 5"	2X5PVNIP	6.13
2 x 5½"	2X512PVNIP	6.13
2 x 6"	2X6PVNIP	6.87
3 x Cl.	3XCPVNIP	12.35
3 x 3	3X3PVNIP	13.21
3 x 4	3X4PVNIP	15.62
3 x 5	3X5PVNIP	18.03
3 x 6	3X6PVNIP	20.24

PVC Socket True Union 2000 Ball Valves

LESS Lock-Out Handle

Pressure rating at 73°F, Water:
½" - 2" 235 psi.
2½" - 4" 150 psi.
EDPM O-Ring Seals.
Socket ends.

Not for use with compressed air or gas

SIZE	STOCK NO	EACH
½"	12PVBAVA	51.61
¾"	34PVBAVA	60.42
1"	1PVBAVA	71.33
1¼"	114PVBAVA	121.18
1½"	112PVBAVA	121.18
2"	2PVBAVA	161.61
Socket Ends		
2½"	212PVBAVA	226.69
3"	3PVBAVA	384.07
4"	4PVBAVA	662.80

PVC Union Ball Check Valves



Pressure rating at 73°F, Water:
½" - 2" 235 psi
Viton® O-Ring Seals
Threaded and Socket ends

Not for use with compressed air or gas

SIZE	STOCK NO	EACH
½"	12PVCV	76.03
¾"	34PVCV	84.90
1"	1PVCV	106.64
1¼"	114PVCV	156.76
1½"	112PVCV	178.04
2"	2PVCV	243.52

PVC Union Ball Check Valves

Pressure rating at 73°F, Water:
2½" - 4" 150 psi
Viton® O-Ring Seals
Socket ends

Not for use with compressed air or gas

SIZE	STOCK NO	EACH
2½"	212PVSCV	510.83
3"	3PVSCV	590.22
4"	4PVSCV	678.94

Series 2132 PVC Compact Ball Valves



Pressure rating at 73°F, Water:
½" - 2" 235 psi
Viton® O-Ring Seals
Socket ends

Not for use with compressed air or gas

SIZE	STOCK NO	EACH
½"	12PVCBAVA	21.72
¾"	34PVCBAVA	26.97
1"	1PVCBAVA	32.16
1¼"	114PVCBAVA	46.78
1½"	112PVCBAVA	59.74
2"	2PVCBAVA	80.55

Series 2622 PVC Utility Ball Valves



Pressure rating at 73°F, Water:
½" - 6" 150 psi
EPDM O-Ring Seals
Slip x slip

Not for use with compressed air or gas

SIZE	STOCK NO	EACH
½"	12PVUBAVA	4.01
¾"	34PVUBAVA	4.98
1"	1PVUBAVA	7.05
1¼"	114PVUBAVA	11.39
1½"	112PVUBAVA	28.36
2"	2PVUBAVA	24.31

PVC Standard Butterfly Valve



Pressure rating at 73° F
Water: ½" - 12" • 150 psi
Wafer Style. Thru going bolts.
EPDM O-Ring Seal. Lever Handle type

Not for use with compressed air or gas

SIZE	STOCK NO	EACH
4"	4PVBFVA	314.04
6"	6PVBFVA	464.92
8"	8PVBFVA	790.15

True Lug Available from Factory

PVC Slice Gate Valves



Stainless steel shaft, Santoprene™ seals, Max working pressure is 15 psi, three piece allows for repair or can be used as union. Slip x slip, Metal handle.

SIZE	STOCK NO	EACH
1½"	112SLGAVA	15.30
2"	2SLGAVA	23.85
3"	3SLGAVA	30.74
4"	4SLGAVA	130.71

Weld-On® P-68 Primer



For PVC & CPVC Pipe & Fittings
Quality low VOC primer for proper softening and preparation of PVC and CPVC pipe and fitting surfaces.
NSF and UPC Listed.
Use Purple where code calls for verification.

DESCRIPTION	STOCK NO	EACH
Purple Pint	PTPVPUPRN	20.18
Purple Quart	QTPVPUPRN	32.80
Purple Gallon	GAPVPUPRN	122.53
Clear Pint	PTPVPRN	24.28
Clear Quart	QTPVPRN	33.91

P-75 Wet 'R Dry Primer



For PVC & CPVC Pipe & Fittings
An aqua blue, very fast acting, primer for use with 725 (Wet 'R Dry) or other Weld-On PVC sovent cements.
NSF Listed.

DESCRIPTION	STOCK NO	EACH
½ Pint	12PTPVWNFPR	25.20

Weld-On® P-70 Primer



For PVC & CPVC Pipe & Fittings
Premium, industrial strength, low VOC primer for softening and preparation of PVC and CPVC pipe and fitting surfaces. Recommended fo Schsdule 80 and large size pipe.
NSF and UPC Listed.
Use Purple where code calls for verification.

DESCRIPTION	STOCK NO	EACH
Purple Quart	QTIGPUPRN	69.05
Clear Quart	QTIGCLPR	69.05

Applicators



Cap Dauber

SIZE	STOCK NO	EACH
DQ50, or Quart sized cans. No. 11831		
½"	IPS11831	1.73
DQ-150, for up to 3" Pipe Diameter		
1½"	CACAWBR	1.83

Gallon Wide Mouth Cap w/Swab



No 4020 Cap only.

STOCK NO	EACH
GACAROAP	26.41

Quart Can Cap with 4" Swab



No 5020 Cap only, for 3-8" dia. pipe.

STOCK NO	EACH
IPS12071	21.03

SuperSwab



4" swab for pipe diameter from 4" through 8"

STOCK NO	EACH
Swab & Handle	
IPS14108	25.39

No. 780 Regular low-VOC PVC Cement



Regular-bodied fast-setting clear cement for use on PVC pipe and fittings up to 4 inches in diameter (except schd. 80). Also for PVC foamcore pipe.
NSF and UPC Listed.

SIZE	STOCK NO	EACH
4 oz.	14PTPVCE	7.96
8 oz.	12PTPVCE	12.36
Pint	PTPVCE	21.19
Quart	QTPVCE	37.47
Gallon	GAPVCE	133.50

No. 781 Medium low-VOC PVC Cement



Medium-bodied fast-setting clear cement for up to 6" diameter PVC pipe and fittings (Schd. 80 up to 4"). Also for PVC foamcore pipe.
NSF and UPC Listed.

SIZE	STOCK NO	EACH
Pint	PTPVMCE	22.35
Quart	QTPVMCE	25.29

No. 782 Heavy-Duty low-VOC PVC Cement



Heavy-bodied medium-setting clear cement for all classes and schedules of PVC pipe and fittings up to 12" in diameter. Helps fill gaps in larger diameter pipe and loose fitting joints.
NSF and UPC Listed.

DESCRIPTION	STOCK NO	EACH
Pint	PTPVHDCE	20.43
Quart	QTPVHDCE	36.77
Gallon	GAPVHDCE	127.59

No. 790 Multi-Purpose Cement for PVC and CPVC Pipe and Fittings



Medium bodied, fast setting, low VOC multi-purpose cement for all classes & schedules with interference fit through 6" diameter, Sch. 80 through 4" diameter.

SIZE	STOCK NO	EACH
Pint	PTALPUCE	43.40

Oatey

oatey.com

Un-Purple Primer



For PVC & CPVC Pipe & Fittings
Primer appears clear. Purple color revealed only under a UV light.
NSF Listed. (NOT MN approved)

DESCRIPTION	STOCK NO	EACH
Pint	PTPVUNPUPRN	28.61
Quart	QTPVUNPUPRN	47.37

Orange Lava™



Hot CPVC Cut-In Cement
Fast curing cement designed for cut-in and repair jobs that require minimal down-time in all weather climates.
No primer necessary if local codes permit.
NSF and UPC Listed.

DESCRIPTION	STOCK NO	EACH
8oz	12PTCPVCOLCE	23.70

No. 727 Hot 'R Cold low VOC PVC Cement



Medium-bodied, very fast setting, clear cement for use on all Rigid/Flexible PVC pipe and fittings up to 6" or Schd. 80 up to 4" in diameter. Cold weather performance to -15°F.
NSF and UPC Listed.

DESCRIPTION	STOCK NO	EACH
Pint	PTPVCWCE	20.67
Quart	QTPVCWCE	30.27
Gallon	GAPVCWCE	182.15

No. 735 Wet 'N Fast low VOC PVC Cement



For all Rigid/Flexable PVC pipe and fittings up to 6" diameter, Schd. 80 up to 4". For wet conditions and/or quick pressurization conditions; Extremely fast setting.
No primer necessary if local codes permit.
NSF and UPC Listed.

DESCRIPTION	STOCK NO	EACH
Half Pint	12PTPVWNFCE	23.35
Pint	PTPVWNFCE	39.96

No. 711 Industrial low VOC PVC Cement



Heavy Bodied, medium setting. For use on all classes and schedules of PVC pipe and fittings up to 12" in diameter. Gray color.
NSF, UPC and CSA Listed.

DESCRIPTION	STOCK NO	EACH
Pint	PTPVFSHDCE	46.22
Quart	QTPVFSHDCE	78.56
Gallon	GAPVFSHDCE	262.88
No. 719 Extra Heavy Duty with Paint Can Top		
Gallon	GAPVXHCE	319.86

Extra heavy bodied, slow setting, gray PVC cement for all classes and schedules with interference fit through 30" in diameter.
NSF, UPC and CSA Listed.

(18)

Weld-On 810 Kit



Two-component, high strength, low-VOC reactive adhesive.
For fabricating and repairing PVC pipe, fittings and joining saddles to pipe. Also bonds PVC, CPVC, ABS, styrene, FRP (fiberglass reinforced polyester), metals, concrete, clay and other materials to themselves or to dissimilar materials.

DESCRIPTION	STOCK NO	EACH
4 oz.	4OZ810	62.83



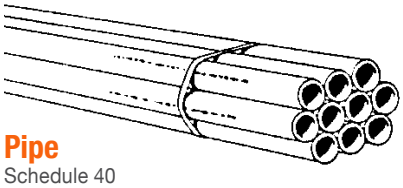
See Page 1203
for ABS & Transition
Cements/All purpose Cleaners

Chemical Pipe and Fittings (50)

Orion

orionfittings.com

- Made of fire retardant polypropylene.
- Designed for the conveyance of aggressive liquid chemical wastes under gravity flow conditions.
- All plastic construction.
- No metal in the joint.



Pipe

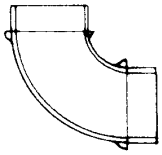
Schedule 40
10' Lengths only

PIPE SIZE	STOCK NO	PER FOOT
1½"	112X10PP	43.27
2"	2X10PP	55.07
3"	3X10PP	97.78
4"	4X10PP	138.24



¼ Bend

SIZE	STOCK NO	EACH
1½"	112PPL	73.33
2"	2PPL	84.56
3"	3PPL	233.20
4"	4PPL	415.83



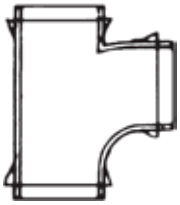
Long Sweep ¼ Bend

SIZE	STOCK NO	EACH
1½"	112PPLSL	196.68
2"	2PPLSL	332.67



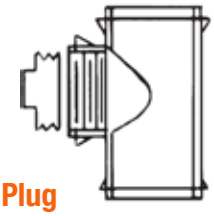
⅛ Bend

SIZE	STOCK NO	EACH
1½"	112PP45L	64.62
2"	2PP45L	80.07
3"	3PP45L	207.35
4"	4PP45L	363.00



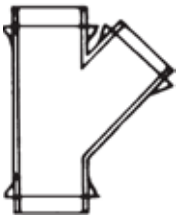
Sanitary Tee

SIZE	STOCK NO	EACH
1½"	112PPST	228.70
2"	2PPST	357.39
3"	3PPST	534.40
4"	4PPST	872.11
2x1½"	2X112PPST	158.46
3x2"	3X2PPST	380.43
3x1½"	3X112PPST	368.63
4x2"	4X2PPST	589.46
4x3"	4X3PPST	569.79



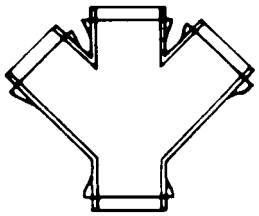
Cleanout Tee with Plug

SIZE	STOCK NO	EACH
1½"	112PPCOT	197.24
2"	2PPCOT	308.23
3"	3PPCOT	427.63



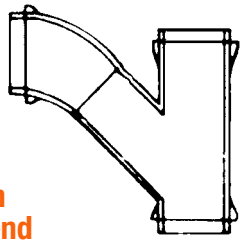
45 Wye

SIZE	STOCK NO	EACH
1½"	112PPY	64.62
2"	2PPY	106.77
3"	3PPY	319.73
4"	4PPY	489.44
2x1½"	2X112PPY	150.59
3x1½"	3X112PPY	415.83
3x2"	3X2PPY	428.75
4x2"	4X2PPY	687.24
4x3"	4X3PPY	707.47



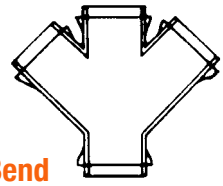
Double Wye

SIZE	STOCK NO	EACH
1½"	112PPDY	540.01
2"	2PPDY	940.67
2x1½"	2X112PPDY	936.17
3x2"	3X2PPDY	814.24



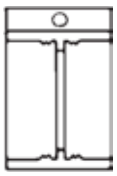
Combination Wye & ⅛ Bend

SIZE	STOCK NO	EACH
1½"	112PPLTY	211.84
2"	2PPLTY	230.96
3"	3PPLTY	565.87
2x1½"	2X112PPLTY	233.20
3x1½"	3X112PPLTY	768.16
3x2"	3X2PPLTY	634.99
4x2"	4X2PPLTY	997.42



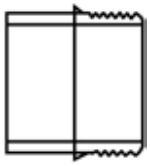
Combination Double Wye & ⅛ Bend

SIZE	STOCK NO	EACH
2"	2PPDLTY	940.67



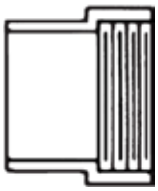
Coupling

SIZE	STOCK NO	EACH
1½"	112PPC	58.44
2"	2PPC	69.67
3"	3PPC	98.90
4"	4PPC	133.18



Male Adapter

SIZE	STOCK NO	EACH
1½"	112PPMA	84.56
2"	2PPMA	77.83



Female Adapter

SIZE	STOCK NO	EACH
1½"	112PPFA	123.62
2"	2PPFA	86.25



MJ Adapter

SIZE	STOCK NO	EACH
1½"	112PPSA	203.42



"P" Trap

Full Drop Union Connection

SIZE	STOCK NO	EACH
2"	2PPUPT	671.50



"P" Trap

SIZE	STOCK NO	EACH
1½"	112PPPT	696.24
2"	2PPPT	618.69
3"	3PPPT	1285.70



Sink Outlet with Plug

SIZE	STOCK NO	EACH
Black 1½ x 3⅜"	112PPSO	304.10



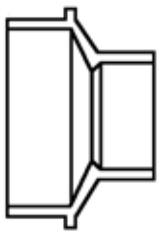
Cleanout Adapter with Plug

SIZE	STOCK NO	EACH
1½"	112PPCOP	203.42
2"	2PPCOP	216.90
3"	3PPCOP	368.63
4"	4PPCOP	563.06



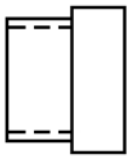
Sink Tailpiece Extension

SIZE	STOCK NO	EACH
1½ x 12"	112RLNSX12	376.49



Reducing Bushing

SIZE	STOCK NO	EACH
2 x 1½"	2X112PPC	110.42
3 x 1½"	3X112PPC	123.62
3 x 2"	3X2PPC	135.99
4 x 2"	4X2PPC	264.67
4 x 3"	4X3PPC	282.08



MJ Cap

No coupling included

SIZE	STOCK NO	EACH
1½"	112PPCAP	188.24
2"	2PPCAP	304.56
3"	3PPCAP	352.89
4"	4PPCAP	377.62

Grooving Tool & Spanner

SIZE	STOCK NO	EACH
1½"	112PPTO	1004.62
2"	2PPTO	1012.11
3"	3PPTO	1931.82
4"	4PPTO	1779.48

LabWaste®
CPVC Corrosive Waste Drainage System

Chemical Pipe and Fittings (00)

Spears® LabWaste®

spearsmfg.com

Spears® LabWaste® CPVC pipe and fittings are NSF® Certified for Corrosive Waste Use & Listed to ASTM F 2618 Specification for CPVC Pipe & Fittings for Chemical Waste Drainage Systems. Meets 25/50 Flame & Smoke Requirement for use in Return Air Plenums. Non-Pressure Drainage Service to 220° F. Specially Formulated One-Step Solvent Cement Provides Chemical Resistance Equal to System Pipe & Fittings.



Pipe

Schedule 40

10' Lengths only

SIZE	STOCK NO	PIPE PER FOOT
1½"	112X10LW	12.88
2"	2X10LW	17.44
3"	3X10LW	31.50
4"	4X10LW	44.73
6"	6X10LW	80.73



Couplings

SIZE	STOCK NO	EACH
1½"	112LWC	34.22
2"	2LWC	42.71
3"	3LWC	54.68
4"	4LWC	77.80
6"	6LWC	123.30
Reducing		
2" x 1½"	2X112LWC	66.99
3" x 1½"	3X112LWC	70.70
3" x 2"	3X2LWC	77.80
4" x 2"	4X2LWC	85.51
4" x 3"	4X3LWC	93.27
6" x 4"	6X4LWC	157.75



Female Adapter

SIZE	STOCK NO	EACH
1½"	112LWFA	26.93
2"	2LWFA	36.68
3"	3LWFA	60.55
4"	4LWFA	116.36
6"	6LWFA	194.93



Cleanout Adapter with Square Head Plug

SIZE	STOCK NO	EACH
1½"	112LWCOA	28.35
2"	2LWCOA	33.41
3"	3LWCOA	61.67
4"	4LWCOA	106.07
6"	6LWCOA	183.48



"P" Trap

Solvent Weld

SIZE	STOCK NO	EACH
1½"	112LWWPT	85.43
2"	2LWWPT	119.23
3"	3LWWPT	216.42
4"	4LWWPT	384.70



¼ Bend

SIZE	STOCK NO	EACH
1½"	112LWL	43.82
2"	2LWL	54.46
3"	3LWL	92.45
4"	4LWL	147.08
6"	6LWL	380.61



¼ Bend

Street Ell

SIZE	STOCK NO	EACH
1½"	112LWSL	51.45
2"	2LWSL	65.29
3"	3LWSL	87.43
4"	4LWSL	138.87
6"	6LWSL	337.00



Long Sweep ¼ Bend

SIZE	STOCK NO	EACH
1½"	112LWLRL	45.35
2"	2LWLRL	61.80
3"	3LWLRL	105.75
4"	4LWLRL	151.97
6"	6LWLRL	488.52



⅛ Bend

SIZE	STOCK NO	EACH
1½"	112LW45L	43.04
2"	2LW45L	52.45
3"	3LW45L	96.24
4"	4LW45L	109.09
6"	6LW45L	318.60



⅛ Bend

Street Ell

SIZE	STOCK NO	EACH
1½"	112LWS45L	32.60
2"	2LWS45L	37.04
3"	3LWS45L	82.08
4"	4LWS45L	84.24
6"	6LWS45L	302.67



LabWaste® One-Step CPVC Cement

SIZE	STOCK NO	EACH
Quart	QTLWCE	149.04



Sanitary Tees

SIZE	STOCK NO	EACH
1½"	112LWST	54.46
2"	2LWST	65.19
3"	3LWST	130.48
4"	4LWST	195.45
6"	6LWST	553.80
Reducing		
2 x 1½ x 1½"	2X112X112LWST	65.08
2 x 2 x 1½"	2X112LWST	65.08
2 x 1½ x 2"	2X112X2LWST	68.01
3 x 3 x 1½"	3X112LWST	113.28
3 x 3 x 2"	3X2LWST	121.77
4 x 4 x 2"	4X2LWST	174.64
4 x 4 x 3"	4X3LWST	182.45
6 x 6 x 4"	6X4LWST	456.21



Cleanout Tee with Square Head Plug

SIZE	STOCK NO	EACH
1½"	112LWCOT	64.81
2"	2LWCOT	71.59
3"	3LWCOT	150.13
4"	4LWCOT	204.48
6"	6LWCOT	552.24



45 Wye

SIZE	STOCK NO	EACH
1½"	112LWY	55.49
2"	2LWY	77.84
3"	3LWY	138.74
4"	4LWY	202.22
6"	6LWY	513.38
Reducing		
2 x 1½ x 1½"	2X112X112LWY	78.83
2 x 2 x 1½"	2X112LWY	77.84
2 x 1½ x 2"	2X112X2LWY	77.84
3 x 3 x 1½"	3X112LWY	119.46
3 x 3 x 2"	3X2LWY	129.32
4 x 4 x 2"	4X2LWY	186.15
4 x 4 x 3"	4X3LWY	194.10
6 x 6 x 4"	6X4LWY	333.37



Combination Wye & ⅛ Bend

SIZE	STOCK NO	EACH
1½"	112LWLTY	72.43
2"	2LWLTY	96.67
2x1½"	2X112LWLTY	87.03

Geothermal Tubing and Fittings (08b)

Cenfuse Geothermal pipe by Centennial Plastics. HDPE & Earthloops with "patented" bullet U bend fittings for heat pump systems. Centennial Geothermal pipe is certified by NSF to meet it's highest standards for polyethylene NSF standard 14.



Geothermal Tubing

Coils • SDR11 • 200 PSI • For Horiz. use @ 6' Depth

PIPE SIZE	STOCK NO	PER FOOT
3/4" x 600'	34X600GEO	.81
3/4" x 800'	34X800GEO	.81
1 1/4" x 100'	114X100GEO	1.94
1 1/4" x 200'	114X200GEO	1.94
1 1/4" x 300'	114X300GEO	1.94
2" x 300'	2X300GEO	3.05
Earth Loops		
3/4" x 310'	34X310GEO	.98
1" x 310'	1X310GEO	1.41
3/4" x 370'	34X370GEO	.95
3/4" x 410'	34X410GEO	.93
1" x 410'	1X410GEO	1.37
3/4" x 510'	34X510GEO	.91
3/4" x 810'	34X810GEO	.87
20' Lengths • SDR11 • 160 PSI		
3/4" x 20	34X20GEO	.81
1" x 20'	1X20GEO	1.25
1 1/4" x 20	114X20GEO	1.94
2" x 20'	2X20GEO	3.05
3" x 20'	3X20GEO	5.96
4" x 20'	4X20GEO	9.86



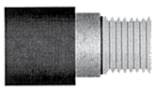
Geothermal U-Bend

With Fusion Coupling

PIPE SIZE	STOCK NO	EACH
3/4"	34GEOUB	92.81
1"	1GEOUB	92.81

Geothermal Male Adapters

Socket Fusion x MPT



SIZE	STOCK NO	EACH
1"	1GEOMA	33.70
1 1/4"	114GEOMA	64.98
2"	2GEOMA	100.99
Reducing		
1" x 3/4"	1X34GEOMA	32.76
1 1/4" x 1"	114X1GEOMA	35.53

Geothermal Outlet Manifold



1 1/4" x 3/4"

DESCRIPTION	STOCK NO	EACH
3 outlet	3OUGEOMA	34.06
4 outlet	4OUGEOMA	41.97
5 outlet	5OUGEOMA	57.70
6 outlet	6OUGEOMA	78.83
7 outlet	7OUGEOMA	95.78

Geothermal Couplings

Socket Fusion



SIZE	STOCK NO	EACH
3/4"	34GEOC	3.63
1"	1GEOC	4.01
1 1/4"	114GEOC	4.79
2"	2GEOC	6.51
Reducing		
1" x 3/4"	1X34GEOC	6.76
1 1/4" x 3/4"	114X34GEOC	7.18
1 1/4" x 1"	114X1GEOC	7.22
2' x 1"	2X1GEOC	11.97
2' x 1 1/4"	2X114GEOC	12.23



Geothermal Ells

Socket Fusion

SIZE	STOCK NO	EACH
3/4"	34GEOL	5.10
1"	1GEOL	5.83
1 1/4"	114GEOL	8.42
2"	2GEOL	20.41
Reducing		
1" x 3/4"	1X34GEOL	6.18
1 1/4" x 3/4"	114X34GEOL	6.43



Geothermal Tees

Socket Fusion

SIZE	STOCK NO	EACH
3/4"	34GEOT	6.39
1"	1GEOT	8.26
1 1/4"	114GEOT	12.29
2"	2GEOT	24.49
Reducing		
1 1/4" x 3/4" x 3/4"	114X34X34GEOT	12.18
1 1/4" x 1 1/4" x 3/4"	114X34GEOT	12.18
2" x 2" x 3/4"	2X34GEOT	28.07



Geothermal Caps

Socket Fusion

SIZE	STOCK NO	EACH
3/4"	34GEOCAP	5.22
1"	1GEOCAP	5.78
1 1/4"	114GEOCAP	7.06
2"	2GEOCAP	8.91



Geothermal Clip

PIPE SIZE	STOCK NO	EACH
3/4"	34GEOCLIP	6.45
1"	1GEOCLIP	6.45

(40)

Heater Bushing Sockets

For HPDE/Geothermal

SIZE	STOCK NO	EACH
1/2" IPS	95305000	113.68
3/4" IPS	95305010	113.68
1" IPS	95305020	113.68
1 1/4" IPS	95305030	149.69
1 1/2" IPS	95305040	149.69
2" IPS	95305050	149.69
3" IPS	95305060	450.94
4" IPS	95305070	613.92



(41)

Geothermal Socket Fusion Kit

PIPE SIZE	STOCK NO	EACH
3/4" — 2"	48CPT2K	4245.67

Chamfering Tool on Page 1221

PP-RCT Pipe and Fittings (08C)
Niron • Socket Fusion



RCT Piping

SIZE	STOCK NO	PER FOOT
SDR 7.4 at 50°F - 480 psi or at 203°F - 120 psi		
½"	27TNIRCL2073	1.64
¾"	27TNIRCL2573	2.45
1"	27TNIRCL3273	4.08
1¼"	27TNIRCL4073	6.26
1½"	27TNIRCL5073	10.35
2"	27TNIRCL6373	15.51
2½"	27TNIRCL7573	22.86
3"	27TNIRCL9073	31.57
4"	27TNIRCL12573	54.43
6"	27TNIRCL16073	70.76
SDR 9 at 50°F - 380 psi or at 203°F - 96 psi		
1"	27TNIRCL329	2.78
1½"	27TNIRCL509	6.68
2"	27TNIRCL639	10.83
6"	27TNIRCL1609	44.52
SDR 11 at 50°F - 300 psi or at 203°F - 75 psi		
1¼"	27TNIRCL4011	3.46
1½"	27TNIRCL5011	5.71
2"	27TNIRCL6311	9.26
2½"	27TNIRCL7511	13.33
3"	27TNIRCL9011	18.78
4"	27TNIRCL12511	31.57
6"	27TNIRCL16011	35.38
8"	27TNIRCL20011	56.88
10"	27TNIRCL25011	88.72
12"	27TNIRCL31511	136.62
SDR 17 at 50°F - 190 psi or at 203°F - 48 psi		
2"	27TNIRCL6317	8.17
2½"	27TNIRCL7517	11.97
3"	27TNIRCL9017	17.42
4"	27TNIRCL12517	23.13
6"	27TNIRCL16017	29.66
8"	27TNIRCL20017	47.36
10"	27TNIRCL25017	74.02
12"	27TNIRCL31517	113.76





90° Elbow
Socket Fusion — **Butt Fusion**

SIZE	STOCK NO	EACH
½"	27NG20	2.07
¾"	27NG25	2.61
1"	27NG32	3.81
1¼"	27NG40	5.87
1½"	27NG50	12.63
2"	27NG63	19.43
2½"	27NG75	43.16
3"	27NG90	71.58
4"	27NG125	155.12
90° Elbow Butt Weld Fittings - Long Spigot SDR 7.4		
2"	27NG907363MM	32.66
2½"	27NG907375MM	54.43
3"	27NG907390MM	87.09
4"	27NG9073125MM	157.84
6"	27NG9073160MM	217.71
90° Elbow Butt Weld Fittings - Long Spigot SDR 11		
4"	27NG9011125MM	125.18
6"	27NG9011160MM	163.28
8"	27NG9011200MM	304.80
10"	27NG9011250MM	424.54
12"	27NG9011315MM	989.60
14" - 24" Butt Fusion Sizes	Call for Pricing	





45° Elbow
Socket Fusion — **Butt Fusion**

SIZE	STOCK NO	EACH
½"	27NC4520	2.07
¾"	27NC4525	2.61
1"	27NC4532	3.81
1¼"	27NC4540	5.87
1½"	27NC4550	12.63
2"	27NC4563	19.05
2½"	27NC4575	42.72
3"	27NC4590	76.20
4"	27NC45125	163.28
45° Elbow Butt Weld Fittings - Long Spigot SDR 7.4		
3"	27NC457390MM	87.09
4"	27NC4573125MM	157.84
6"	27NC4573160MM	195.94
45° Elbow Butt Weld Fittings - Long Spigot SDR 11		
4"	27NC4511125MM	125.18
6"	27NC4511160MM	174.17
8"	27NC4511200MM	293.91
10"	27NC4511250MM	391.88
12"	27NC4511315MM	1169.53
14" - 24" Butt Fusion Sizes	Call for Pricing	



Reducing Tee
Socket Fusion

SIZE	STOCK NO	EACH
¾ x ½ x ½"	27NTR252020	3.81
¾ x ¾ x ½"	27NTR252025	3.81
¾ x ½ x ¾"	27NTR252520	3.81
¾ x ¾ x 1"	27NTR253225	4.90
1 x ½ x ½"	27NTR322020	4.90
1 x ¾ x ½"	27NTR322025	4.90
1 x 1 x ½"	27NTR322032	4.90
1 x ¾ x ¾"	27NTR322525	4.90
1 x 1 x ¾"	27NTR322532	4.90
1 x ¾ x 1"	27NTR323225	4.90
1¼ x 1¼ x ½"	27NTR402040	7.35
1¼ x 1¼ x ¾"	27NTR402540	7.35
1¼ x 1¼ x 1"	27NTR403240	7.35
1½ x 1½ x ½"	27NTR502050	20.95
1½ x 1½ x ¾"	27NTR502550	20.95
1½ x 1½ x 1"	27NTR503250	20.95
1½ x 1½ x 1¼"	27NTR504050	20.95
2 x 2 x ¾"	27NTR632563	28.30
2 x 2 x 1"	27NTR633263	28.30
2 x 2 x 1¼"	27NTR634063	28.30
2 x 2 x 1½"	27NTR635063	28.30
2½ x 2½ x 1"	27NTR753275	46.27
2½ x 2½ x 1¼"	27NTR754075	46.27
2½ x 2½ x 1½"	27NTR755075	46.27
2½ x 2½ x 2"	27NTR756375	46.27
3 x 3 x 1½"	27NTR905090	93.08
3 x 3 x 2"	27NTR906390	93.08
3 x 3 x 2½"	27NTR907590	93.08
4 x 4 x 2"	27NTR12563125	168.73
4 x 4 x 2½"	27NTR12575125	168.73
4 x 4 x 3"	27NTR12590125	168.73



Stub Flange
Socket Fusion

SIZE	STOCK NO	EACH
1" with ring gasket	27NCOSA32	6.53
1¼" with ring gasket	27NCOSA40	7.62
1½" with ring gasket	27NCOSA50	12.24
2" with ring gasket	27NCOSA63	13.61
2½" with ring gasket	27NCOSA75	19.32
3"	27NCOSA90*	39.19
4"	27NCOSA125*	97.97

***Requires Flat Full Face Gasket**





90° Tee
Socket Fusion

SIZE	STOCK NO	EACH
½"	27NT20	2.78
¾"	27NT25	3.81
1"	27NT32	4.84
1¼"	27NT40	8.17
1½"	27NT50	20.95
2"	27NT63	29.94
2½"	27NT75	50.62
3"	27NT90	83.82
4"	27NT125	168.73
Tee Butt Weld Fittings - Long Spigot SDR 7.4		
2"	27NT7363MM	43.54
2½"	27NT7375MM	81.64
3"	27NT7390MM	119.74
4"	27NT73125MM	163.28
6"	27NT73160MM	228.60
Tee Butt Weld Fittings - Long Spigot SDR 11		
4"	27NT11125MM	157.84
6"	27NT11160MM	195.94
8"	27NT11200MM	391.88
10"	27NT11250MM	643.24
12"	27NT11315MM	1196.52
14" - 24" Butt Fusion Sizes	Call for Pricing	





Female Threaded Tee
With NPT Lead Free Brass - Socket Fusion

SIZE	TYPE	STOCK NO	EACH
½" x ½" NPT	A	27NTF2012NPT	10.89
¾" x ½" NPT	A	27NTF2512NPT	10.89
¾" x ¾" NPT	A	27NTF2534NPT	14.84
1" x ½" NPT	B	27NTF3212NPT	14.84
1" x ¾" NPT	B	27NTF3234NPT	16.82
1" x 1" NPT	B	27NTF321NPT	27.21



Stub Flange
Long Spigot End

SIZE	STOCK NO	EACH
SDR 7.4 - Butt Weld, can be used with Electrofusion		
2"	27NCRT6373	32.66
2½"	27NCRT7573	43.54
3"	27NCRT9073	48.99
4"	27NCRT12573	119.75
6"	27NCRT16073	130.63
SDR 11 - Butt Weld, can be used with Electrofusion		
2"	27NCRT6311	19.59
2½"	27NCRT7511	27.21
3"	27NCRT9011	39.19
4"	27NCRT12511	70.76
5"	27NCRT12511A5LS*	84.12
6"	27NCRT16011	95.25
8"	27NCRT20011	288.47
10"	27NCRT25011	375.55
12"	27NCRT31511	710.72
14" - 24" Butt Fusion Sizes	Call for Pricing	

***5" Use Ring 00FLAACPP1255A5**

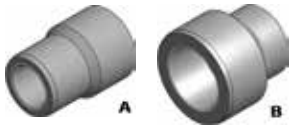
PP-RCT Pipe and Fittings (08C)

Niron • Socket Fusion

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Reducer

Socket Fusion



SIZE	TYPE	STOCK NO	EACH
¾ x ½"	A	27NR2520	2.12
1 x ½"	B	27NR3220	2.73
1 x ¾"	A	27NR3225	2.73
1¼ x ½"	B	27NR4020	4.35
1¼ x ¾"	B	27NR4025	4.35
1¼ x 1"	A	27NR4032	4.35
1½ x ½"	B	27NR5020	7.08
1½ x ¾"	B	27NR5025	7.08
1½ x 1"	B	27NR5032	7.08
1½ x 1¼"	A	27NR5040	7.08
2 x ¾"	B	27NR6325	14.42
2 x 1"	B	27NR6332	14.42
2 x 1¼"	B	27NR6340	14.42
2 x 1½"	A	27NR6350	14.42
2½ x ½"	B	27NR7520	16.33
2½ x ¾"	B	27NR7525	16.33
2½ x 1"	B	27NR7532	16.33
2½ x 1¼"	B	27NR7540	16.33
2½ x 1½"	B	27NR7550	16.33
2½ x 2"	A	27NR7563	16.33
3 x 2"	C	27NR9063	36.19
3 x 2½"	A	27NR9075	36.19
4 x 3"	C	27NR12590	88.17

Male Concentric Reducer - Long Spigot SDR 9
Butt Weld or can be used with Electrofusion

4 x 2"	27NR125639MM	145.87

Male Concentric Reducer - Long Spigot SDR 11
Butt Weld or can be used with Electrofusion

4 x 2½"	27NR1257511MM	88.17
4 x 3"	27NR1259011MM	88.17
6 x 4"	27NR16012511MM	97.97
8 x 6"	27NR20016011MM	102.33

Other sizes and SDR's available . . . Call for Pricing

Sidewall Welding Socklets

With Socket Fusion Outlets



OUTLET	MAIN PIPE	STOCK NO	EACH
½"	1¼"	27NGS2040	5.44
½"	1½"	27NGS2050	5.44
½"	2"-2½"	27NGS206375	7.62
½"	3"-4"	27NGS2090110125	10.89
½"	6"-8"	27NGS20160200	13.61
½"	10"-12"	27NGS20250315	16.33
¾"	1¼"	27NGS2540	5.44
¾"	1½"	27NGS2550	5.44
¾"	2"-2½"	27NGS256375	7.62
¾"	3"-4"	27NGS2590110125	10.89
¾"	6"-8"	27NGS25160200	13.61
¾"	10"-12"	27NGS25250315	16.33
1"	2"-2½"	27NGS326375	7.62
1"	3"-4"	27NGS3290110125	10.89
1"	6"-8"	27NGS32160200	13.61
1"	12"-10"	27NGS32250315	16.33
1¼"	3"	27NGS4090	10.89
1¼"	4"	27NGS40125	10.89
1¼"	6"-8"	27NGS40160200	13.61
1¼"	10"-12"	27NGS40250315	28.30
1½"	3"	27NGS5090	19.59
1½"	4"	27NGS50125	19.59
1½"	6"	27NGS50160	28.30
1½"	8"	27NGS50200	37.01
1½"	10"	27NGS50250	43.54
2"	4"	27NGS63125	19.59
2"	6"	27NGS63160	28.30

Available up to 4" outlet on 8"-24" Main Pipe. . . . . Call for Pricing

Sidewall Female Welding Socklets

With NPT Lead Free Brass - Side Fusion

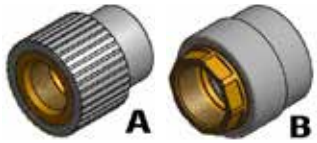


SIZE	THREAD	STOCK NO	EACH
2"-2½"	½"	27NGSF126375NPT	16.82
3"-4"	½"	27NGSF1290110125NPT	16.82
6"-8"	½"	27NGSF12160200NPT	16.82
10"-12"	½"	27NGSF12250315NPT	16.82
2"-2½"	¾"	27NGSF346375NPT	24.74
3"-4"	¾"	27NGSF3490110125NPT	24.74
6"-8"	¾"	27NGSF34160200NPT	24.74
10"-12"	¾"	27NGSF34250315NPT	24.74
2"-2½"	1"	27NGSF016375NPT	39.58
3"-4"	1"	27NGSF0190110125NPT	39.58
6"-8"	1"	27NGSF01160200NPT	39.58
10"-12"	1"	27NGSF01250315NPT	39.58

Available up to 2" Thread Brass & Stainless Steel . . . . . Call for Pricing

Female Threaded Adapter

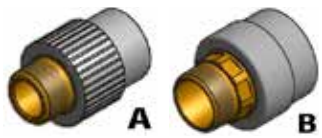
With NPT Lead Free Brass - Socket Fusion



SIZE	TYPE	STOCK NO	EACH
½" x ½"	A	27NRFF2012NPT	8.91
½" x ¾"	A	27NRFF2034NPT	10.89
¾" x ½"	A	27NRFF2512NPT	8.91
¾" x ¾"	A	27NRFF2534NPT	10.89
1" x ¾"	A	27NRFF3234NPT	14.84
1" x 1"	A	27NRFF321NPT	22.76
1¼" x 1"	B	27NRFF401NPT	24.74
1¼" x 1¼"	B	27NRFF40114NPT	37.11
1½" x 1¼"	B	27NRFF50114NPT	38.59
1½" x 1½"	B	27NRFF50112NPT	44.53
2" x 1½"	B	27NRFF63112NPT	45.52
2" x 2"	B	27NRFF632NPT	64.32
2½" x 2"	B	27NRFF752NPT	74.22
2½" x 2½"	B	27NRFF75212NPT	128.65
3" x 3"	B	27NRFF903NPT	188.02
4" x 4"	C	27NRFF1254NPT	346.36

Male Threaded Adapter

With NPT Lead Free Brass - Socket Fusion



SIZE	TYPE	STOCK NO	EACH
½" x ½"	A	27NRFM2012NPT	9.90
½" x ¾"	A	27NRFM2034NPT	13.85
¾" x ½"	A	27NRFM2512NPT	9.90
¾" x ¾"	A	27NRFM2534NPT	14.84
1" x ¾"	A	27NRFM3234NPT	17.81
1" x 1"	A	27NRFM321NPT	24.74
1¼" x 1"	B	27NRFM401NPT	24.74
1¼" x 1¼"	B	27NRFM40114NPT	37.11
1½" x 1¼"	B	27NRFM50114NPT	37.11
1½" x 1½"	B	27NRFM50112NPT	49.48
2" x 1½"	B	27NRFM63112NPT	54.43
2" x 2"	B	27NRFM632NPT	74.22
2½" x 2"	B	27NRFM752NPT	79.17
2½" x 2½"	B	27NRFM75212NPT	108.86
3" x 3"	B	27NRFM903NPT	178.13
4" x 4"	C	27NRFM1254NPT	489.85

Coupling

Socket Fusion



SIZE	STOCK NO	EACH
½"	27NMAN20	1.91
¾"	27NMAN25	2.12
1"	27NMAN32	2.73
1¼"	27NMAN40	3.37
1½"	27NMAN50	7.08
2"	27NMAN63	14.15
2½"	27NMAN75	15.79
3"	27NMAN90	34.83
4"	27NMAN125	74.57



Female Threaded Adapter

With NPT Stainless Steel - Socket Fusion

SIZE	TYPE	STOCK NO	EACH
½" x ½"	A	27NRFF2012SSNPT	37.11
½" x ¾"	A	27NRFF2034SSNPT	44.53
¾" x ½"	A	27NRFF2512SSNPT	37.11
¾" x ¾"	A	27NRFF2534SSNPT	44.53
1" x ¾"	A	27NRFF3234SSNPT	37.11
1" x 1"	A	27NRFF321SSNPT	86.59
1¼" x 1"	C	27NRFF401SSNPT	89.06
1¼" x 1¼"	B	27NRFF40114SSNPT	125.68
1½" x 1¼"	D	27NRFF50114SSNPT	125.68
1½" x 1½"	B	27NRFF50112SSNPT	150.42
2" x 1½"	D	27NRFF63112SSNPT	150.42
2" x 2"	B	27NRFF632SSNPT	286.99

Available up to 4". . . . . Call for Pricing



Male Threaded Adapter

With NPT Stainless Steel - Socket Fusion

SIZE	TYPE	STOCK NO	EACH
½" x ½"	A	27NRFM2012SSNPT	39.58
½" x ¾"	A	27NRFM2034SSNPT	44.53
¾" x ½"	A	27NRFM2512SSNPT	39.58
¾" x ¾"	A	27NRFM2534SSNPT	44.53
1" x ¾"	A	27NRFM3234SSNPT	44.53
1" x 1"	A	27NRFM321SSNPT	177.89
1¼" x 1"	C	27NRFM401SSNPT	183.82
1¼" x 1¼"	B	27NRFM40114SSNPT	230.33
1½" x 1¼"	D	27NRFM50114SSNPT	238.49
1½" x 1½"	B	27NRFM50112SSNPT	260.02
2" x 1½"	D	27NRFM63112SSNPT	267.19
2" x 2"	B	27NRFM632SSNPT	311.73

Available up to 4". . . . . Call for Pricing

Fusion End Cap

Socket Fusion



SIZE	STOCK NO	EACH
½"	27NCC20	3.00
¾"	27NCC25	3.81
1"	27NCC32	4.62
1¼"	27NCC40	7.08
1½"	27NCC50	9.80
2"	27NCC63	16.60
2½"	27NCC75	24.22
3"	27NCC90	54.98
4"	27NCC125	100.97

End Cap - Long Spigot SDR 11
Butt Weld or can be used with Electrofusion

2"	27NCC6311M	16.33
2½"	27NCC7511M	23.95
3"	27NCC9011M	54.43
4"	27NCC12511M	100.15
6"	27NCC16011M	136.07

PP-RCT Pipe and Fittings (08C)

Niron • Socket Fusion

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Grooved Mechanical Adapter Long Spigot

For butt fusion or electrofusion welding.

SIZE	TYPE	STOCK NO	EACH
2" x 2"	A	27NRV6311	311.73
3" x 3"	A	27NRV9011	717.46
4" x 4"	A	27NRV12511	1113.30



Unions

Socket Fusion

SIZE	STOCK NO	EACH
Brass Nut with Socket Fusion Ends		
½"	27NCSJ2020	87.09
¾"	27NCSJ2525	97.97
1"	27NCSJ3232	125.18
1¼"	27NCSJ4040	190.50
1½"	27NCSJ5050	195.94
2"	27NCSJ6363	315.68



Union Ball Valves

Socket Fusion • True Union

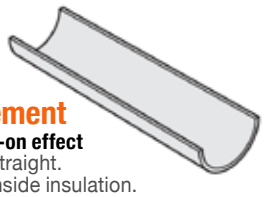
SIZE	TYPE	STOCK NO	EACH
½"	A	27NRSPPRCT20	59.38
¾"	A	27NRSPPRCT25	59.38
1"	A	27NRSPPRCT32	59.38
1¼"	A	27NRSPPRCT40	113.80
1½"	A	27NRSPPRCT50	133.60
2"	A	27NRSPPRCT63	148.44
2½"	A	27NRSPPRCT75	504.70
3"	A	27NRSPPRCT90	841.16



WELDING COLLAR SPIGOT ENDS

Socket Fusion • TU Butt Fusion & Electrofusion

SIZE	STOCK NO	EACH
1¼"	27NAPPS40	21.77
1½"	27NAPPS50	22.86
2"	27NAPPS63	43.54
3"	27NAPPS90	76.20



(18)

Pipe Reinforcement

Self-gripping – Snap-on effect

Keeps plastic pipe straight.
Reinforcement fits inside insulation.

SIZE X LENGTH	INCH CONVERSION	STOCK NO	EACH
25mm x 10'	¾"	PRM025	36.54
32mm x 10'	1"	PRM032	43.69
40mm x 10"	1¼"	PRM040	52.13
50mm x 10'	1½"	PRM050	60.98
63mm x 10'	2"	PRM063	63.85
75mm x 10'	2½"	PRM075	65.91
90mm x 10'	3"	PRM090	68.62
125mm x 10'	4"	PRM125	193.98
160mm x 10'	6"	PRM160	238.75

Niron Pipe Clamps on Page 1242 & 1510



Coupling Style

Compression

SIZE	STOCK NO	EACH
½"	03NKMAN20	9.53
¾"	03NKMAN25	11.43
1"	03NKMAN32	16.33
1¼"	03NKMAN40	29.94
1½"	03NKMAN50	43.54
2"	03NKMAN63	54.43



PP Encapsulated Backing Ring

ANSI/ASA150

SIZE	STOCK NO	EACH
1"	00FLAACPP321	19.59
1¼"	00FLAACPP40114	19.59
1½"	00FLAACPP50112	19.59
2"	00FLAACPP632	26.13
2½"	00FLAACPP75212	36.81
3"	00FLAACPP903	36.81
3½" Socket Fusion/Butt Fusion or 4" Electrofusion	00FLAACPP1104	44.53
4" Socket Fusion Only	00FLAACPP1254	44.53
5"	00FLAACPP1255A5	55.22
6"	00FLAACPP1606	82.53
8"	00FLAACPP2008	111.03
10"	00FLAACPP25010	150.22
Available up to 14"-24"	Call for Pricing	



Gasket Low - Stress EPDM

SIZE	STOCK NO	EACH
1"	00GRET321	16.70
1¼"	00GRET40114	18.37
1½"	00GRET50112	18.37
2"	00GRET632	19.49
2½"	00GRET75212	19.49
3"	00GRET903	22.27
4"	00GRET1104	25.05
5"	00GRET1255	25.05
6"	00GRET1606	37.30
8"	00GRET2008	44.53
10"	00GRET25010	83.50
12"	00GRET31512	100.20
Other sizes available up to 24"	Call for Pricing	



INSTAHEADER™ PEX ADAPTER

ASTM F 1960 • Socket Fusion Sidewall

SIZE OR PIPE X PEX	STOCK NO	EACH
2 or 2½" x ½"	27NPGS126375	16.82
3 or 4" x ½"	27NPGS1290110125	16.82
2 or 2½" x ¾"	27NPGS346375	26.72
3 or 4" x ¾"	27NPGS3490110125	26.72
2 or 2½" x 1"	27NPGS16375	37.60
3 or 4" x 1"	27NPGS190110125	37.60



PEX ADAPTER

Cold Expansion - ASTM F 1960 • Fem. Socket Fusion

SIZE	STOCK NO	EACH
½" x ½"	27NPR1220	13.06
¾" x ½"	27NPR1225	14.84
¾" x ¾"	27NPR3425	16.33
1" x 1"	27NPR0132	27.21
Available up to 2" PEX	Call for Pricing	

Pipe Size Chart

U.S. (ANSI) Standards			ISO Standards		
NOMINAL PIPE SIZE (inches)	IPS I.D. Steel	ACTUAL O.D. (inches)	NOMINAL MILLIMETERS Niron	Niron I.D.	ACTUAL O.D. (inches)
½"	0.62	0.840	20 mm	0.57	0.79
¾"	0.82	1.050	25 mm	0.71	0.98
1"	1.05	1.315	32 mm	0.98	1.26
1¼"	1.38	1.660	40 mm	1.29	1.57
1½"	1.61	1.900	50 mm	1.61	1.97
2"	2.07	2.375	63 mm	2.03	2.48
2½"	2.49	2.875	75 mm	2.42	2.95
3"	3.07	3.500	90 mm	2.90	3.54
3½"	3.55	4.000	110 mm	3.54	4.33
4"	4.03	4.500	125 mm	4.03	4.92
6"	6.06	6.625	160 mm	5.15	6.30
8"	7.98	8.625	200 mm	6.44	7.87
10"	10.02	10.750	250 mm	8.05	9.84
12"	12.00	12.750	315 mm	10.15	12.40
14"	13.25	13.000	355 mm	11.44	13.98
16"	15.25	16.000	400 mm	12.88	15.75
18"	17.25	18.000	450 mm	14.50	17.72
20"	19.25	20.000	500 mm	16.11	19.69
22"	N/A	N/A	560 mm	18.04	22.05
24"	23.25	24.000	630 mm	21.89	24.80

Niron Flange Adapters and Bolts

Flange Part Number BASED ON SDR-11	Ring Style	SIZE	FLANGE WIDTH	BACKER RING	N HOLES	1/8" GASKET	Backing Washer	CAP SCREW Niron to Niron	CAP SCREW Niron to Steel
27NCRT3211	PE	1"	0.41	0.63	4	0.125	0.125	1/2" X 3-1/4"	1/2" X 2-3/4"
27NCRT4011	PE	1-1/4"	0.43	0.63	4	0.125	0.125	1/2"X3-1/2"	1/2" X 3"
27NCRT5011	PE	1-1/2"	0.47	0.71	4	0.125	0.125	1/2"X3-3/4"	1/2" x 3-1/4"
27NCRT6311	PE	2"	0.66	0.71	4	0.125	0.125	5/8"X 4-1/2"	5/8"X 3-3/4"
27NCRT7511	PE	2-1/2"	0.67	0.71	4	0.125	0.125	5/8"X4-1/2"	5/8"X 3-3/4"
27NCRT9011	PE	3"	0.71	0.79	4	0.125	0.125	5/8"X4-1/2"	5/8"X 4"
27NCRT12511	PE	4"	0.79	LS .94	8	0.125	0.125	3/4"X 5"	3/4"X 4"
27NCRT12511A5	PE	5"	1.02	0.94	8	0.125	0.125	3/4" X 6-1/2"	3/4" X 5"
27NCRT16011	PE	6"	0.96	1.02	8	0.125	0.125	3/4" X 6"	3/4" X 5"
27NCRT20011	PE	8"	1.26	1.02	8	0.125	0.125	3/4"X 7"	3/4"X 5-1/2"
27NCRT25011	PE	10"	1.32	1.18	12	0.125	0.125	7/8"X 7-1/2"	7/8"X 6"
27NCRT31511	EPC	12"	1.77	1.50	12	0.125	0.125	7/8"X 8-1/2"	7/8"X6-1/2"
27NCRT35511MB	EPC	14"	1.52	1.63	12	0.125	0.125	1"X 8-1/2"	1"X 6-1/2"
27NCRT40011MB	EPC	16"	1.85	1.88	16	0.125	0.125	1"X 9-1/2"	1"X 7"
27NRCT40011MBV**	BV Only	16"	3.17	1.88	16	0.125	0.125	1" X 12-1/2"	1" X 8-1/2"
27NCRT45011MB	EPC	18"	2.30	1.90	16	0.125	0.125	1-1/8"X 10-1/2"	1-1/8"X 8"
27NCRT45011MBV**	BV Only	18"	3.17	1.90	16	0.125	0.125	1-1/8" X 12-1/2"	1-1/8" X 9"
27NCRT50011MB	EPC	20"	2.30	2.13	20	0.125	0.125	1-1/8"X 11"	1-1/8"X 8-1/2"
27NCRT63017MB	PE	24"	2.30	1.81	20	0.125	0.125	1-1/4"X 12-1/2"	1-1/4"X 9-1/2"

PP-RCT Pipe and Fittings (08C)

Niron • Electrofusion

nupiamericas.com



Male Threaded Adapter

With NPT Lead Free Brass use on Butt, Socket or EF

SIZE	STOCK NO	EACH
½" x ½"	27NRFM732012NPT	38.60
¾" x ¾"	27NRFM732534NPT	29.69
1" x 1"	27NRFM9321NPT	49.48
1¼" x 1¼"	27NRFM1140114NPT	64.32
1½" x 1½"	27NRFM1150112NPT	69.27
2" x 2"	27NRFM11632NPT	89.06
2½" x 2½"	27NRFM1175212NPT	282.04
3" x 3"	27NRFM11903NPT	321.62
4" x 4"	27NRFM111254NPT	346.36



Female Threaded Adapter

With NPT Lead Free Brass use on Butt, Socket or EF

SIZE	STOCK NO	EACH
¾" x ¾"	27NRFF732534NPT	29.69
1" x 1"	27NRFF9321NPT	49.48
1½" x 1½"	27NRFF1150112NPT	69.27
2" x 2"	27NRFF11632NPT	89.06
3" x 3"	27NRFF11903NPT	321.62
4" x 4"	27NRFF111254NPT	346.36



Reducer

Electrofusion

SIZE	STOCK NO	EACH
1" x ¾"	27NRDE3225	30.48
1¼"x 1"	27NRDE4032	34.83
1½"x 1"	27NRDE5032	38.10
1½"x 1¼"	27NRDE5040	38.10
2"x 1"	27NRDE6332	43.54
2"x 1¼"	27NRDE6340	43.54
2"x 1½"	27NRDE6350	43.54
2½" x 2"	27NRDE7563	52.25
3" x 2"	27NRDE9063	68.58
4" x 2"	27NRDE1263	141.51
4"x 3"	27NRDE1290	141.51
4"x 3½"	27NRDE1211	141.51
6"x 3"	27NRDE1690	201.38
6"x 4"	27NRDE1612	217.71
8"x 6"	27NRDE2016	598.71
10"x 8"	27NRDE2520	1061.35



EF Branch Saddle with Rigid Underclamp

Electrofusion

SIZE	STOCK NO	EACH
1¼" x 1"	27NCOL4032	48.99
1½" x ¾"	27NCOL5025	52.25
1½" x 1"	27NCOL5032	52.25
2" x ¾"	27NCOL6325	56.61
2" x 1"	27NCOL6332	56.61
2" x 2"	27NCOL6363	80.55
2½" x ¾"	27NCOL7525	60.96
2½" x 1¼"	27NCOL7540	60.96
3" x ¾"	27NCOL9025	101.24
3" x 1"	27NCOL9032	101.24
3" x 2"	27NCOL9063	101.24
4" x ¾"	27NCOL12525	113.21
4" x 1"	27NCOL12532	113.21
4" x 2"	27NCOL12563	113.21



EF Tee

Requires butt fusion or electrofusion or socket coupling on outlet side of the tee.

Electrofusion

SIZE	STOCK NO	EACH
½"	27NTCE020	20.41
¾"	27NTCE025	26.94
1"	27NTCE032	29.67
1¼"	27NTCE040	32.66
1½"	27NTCE050	40.28
2"	27NTCE063	48.99
2½"	27NTCE075	81.64
3"	27NTCE090	108.86
4"	27NTCE125	272.14
6"	27NTCE160	353.78
8"	27NTCE200	816.42
10"	27NTCE250	1904.99



Coupling

Electrofusion

SIZE	STOCK NO	EACH
SDR 7.4		
½"	27NME2073	24.50
¾"	27NME2573	27.21
1"	27NME3273	30.48
1¼"	27NME4073	34.83
1½"	27NME5073	38.10
2"	27NME6373	43.54
2½"	27NME7573	52.25
3"	27NME9073	103.41
4"	27NME12573	152.40
6"	27NME16073	293.91
SDR 11		
3"	27NME9011	68.58
4"	27NME12511	119.74
6"	27NME16011	152.40
8"	27NME20011	244.93
10"	27NME25011	489.85
12"	27NME31511	653.14
Available up to 24"		*Call for Pricing*



Branch Fittings with Belt

Electrofusion

SIZE	STOCK NO	EACH
3" x 1¼"	27NCOL9040	113.21
3" x 3"	27NCOL9090	157.84
4" x 2½"	27NCOL12575	152.40
4" x 3"	27NCOL12590	157.84
6" x ¾"	27NCOL16025	113.21
6" x 1"	27NCOL16032	121.92
6" x 2"	27NCOL16063	121.92
6" x 2½"	27NCOL16075	157.84
6" x 3"	27NCOL16090	157.84
6" x 4"	27NCOL160125	201.38
8" x 1"	27NCOL20032	169.82
8" x 3"	27NCOL20090	169.82
8" x 4"	27NCOL200125	201.38

10" & 12" main sizes with various outlets and large diameter saddle bases up to 24" x 8" outlet are available . . Call for pricing



90° Elbow

Electrofusion

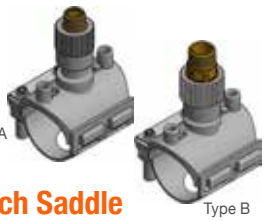
SIZE	STOCK NO	EACH
½"	27NGEM20	16.88
¾"	27NGEM25	24.50
1"	27NGEM32	24.50
1¼"	27NGEM40	26.67
1½"	27NGEM50	31.57
2"	27NGEM63	34.83
2½"	27NGEM75	42.45
3"	27NGEM90	81.64
4"	27NGEM125	217.71
6"	27NGEM160	293.91
8"	27NGEM200	571.50
10"	27NGEM250	1360.71



45° Elbow

Electrofusion

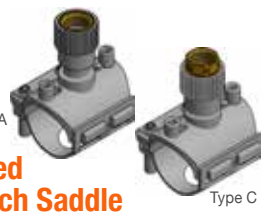
SIZE	STOCK NO	EACH
1"	27NCEM32	24.50
1¼"	27NCEM40	26.67
1½"	27NCEM50	31.57
2"	27NCEM63	34.83
2½"	27NCEM75	42.45
3"	27NCEM90	81.64
4"	27NCEM125	217.71
6"	27NCEM160	293.91
8"	27NCEM200	571.50
10"	27NCEM250	1360.71



Male Threaded Transition Branch Saddle with Rigid Underclamp

Electrofusion

SIZE	TYPE	STOCK NO	EACH
2" x ½"	A	27NCOLF63M12	88.17
2" x ¾"	A	27NCOLF63M34	89.26
2" x 1"	A	27NCOLF63M01	105.59
2" x 1½"	B	27NCOLF63M112	154.58
2½" x ½"	A	27NCOLF75M12	92.53
2½" x ¾"	A	27NCOLF75M34	93.62



Female Threaded Transition Branch Saddle with Rigid Underclamp

Electrofusion

SIZE	TYPE	STOCK NO	EACH
2" x ½"	A	27NCOLF63F12	83.82
2" x ¾"	A	27NCOLF63F34	86.00
2" x 1"	A	27NCOLF63F01	105.59
2" x 1½"	C	27NCOLF63F112	154.58
2½" x 1"	A	27NCOLF75F01	109.95
3" x 1"	A	27NCOLF90F01	150.22
4" x 1"	A	27NCOLF125F01	162.20

PP-RCT Pipe and Fitting Tools (40)

Niron • Ritmo America

nupiamericas.com

Electrofusion



ElectroFusion Welding Unit

Model E9001LP/110 • 115v 1500 VA • Orange Case

½" – 6" ElectroFusion Fittings for PPR & HDPE

STOCK NO	EACH
00E9001LP110	4750.10
Rental 00E9001LP110RU	Call for Pricing

Model E9001P/110 • 115v 2000 VA • Yellow Case

½" – 16" ElectroFusion Fittings for PPR & HDPE

STOCK NO	EACH
00E9001P110	7520.99
Rental 00E9001P110RU	Call for Pricing

Barcode Scanner Gun Replacement

STOCK NO	EACH
00BCSCAN	359.62



Elektra 500

Working range up to 18" IPS ElectroFusion Fittings for PPR & HDPE

120v 50-60Hz • Laser Scanner • Transport Case

STOCK NO	EACH
Rental ELEKTRA500RU	Call for Pricing



Elektra 1000

Working range up to 36" DIPS ElectroFusion Fittings for PPR & HDPE

230v 50-60Hz • Laser Scanner • Transport Case

STOCK NO	EACH
Rental ELEKTRA1000RU	Call for Pricing



Automatic Multifuntion Welding Unit with Barcode Scanner

110v • ½" - 24"

STOCK NO	EACH
Rental 00E9001110RU	Call for Pricing

(217B)



IntegriFuse™ Mechanical Scraper

- Mechanically Operated
- Easy to use
- Removes Pipe Oxidation Layer
- Pressure Sensitive Cutter

STOCK NO	EACH
Working Range 2½" IPS to 8" IPS	
SCRINT200	1485.00
Replacement Blades	
SCRINTBLADEKIT	503.71
Rental	
SCRINT200RU	Call for Pricing



(41)

RTC Pipe Scrapers

Essential patented (RTC series) tools for plastic pipes preparation before electrofusion.

STOCK NO	EACH
Working Range 1½" IPS to 6" IPS	
RTC160	2754.00
Rental	
RTC160RU	Call for Pricing
Working Range 2½" IPS to 12" IPS	
RTC315	2766.45
Rental	
RTC315RU	Call for Pricing
Rental • Working Range 14" IPS to 28" IPS	
RTC710RU	Call for Pricing

Replacemet Blades and Screws

For use with RTC Scrappers & Turbos

DESCRIPTION	STOCK NO	EACH
Blades	RTCBLADES	126.14
Screws for Blades	RTCSCREWS	4.15



Modular Rotary Scrapper

For large sizes 10"(250mm)-32"(812mm)

STOCK NO	EACH
00RAT10	14472.96
Rental 00RAT10RU	Call for Pricing



(40)

Turbo Pipe Scrappers

TURBO Scrappers are simple and easy to use with your drill. The fast rotating tool allows fast and precise scraping needed to prepare the pipe OD for Electrofusion with minimal effort. Millimeter Pipe Sizes 20 mm to 125 mm in SDR 7.3 thru 17.

For Pipe and ElectroFusion Fitting Preparation

SIZE	METRIC	STOCK NO	EACH
½"	20MM	99890000	430.01
¾"	25MM	99890001	429.04
1"	32MM	99890002	492.52
1¼"	140MM	99890003	492.52
1½"	50MM	99890004	511.96
2"	63MM	99890005	511.97
2½"	75MM	99890069	699.84
3"	90MM	99890071	750.06
4"	125MM	99890073	861.84

ElectroFusion ½" - 2" Turbo Rental Kit

SCRAPPERKITRU . . . . . Call for Pricing

Socket Fusion



Cold Rings

Socket Fusion (½" - 2")

Used to clamp, hold and round at the desidered place of the pipe in order to weld it properly.

STOCK NO	EACH
20MMCOLDRING	170.54
25MMCOLDRING	170.54
32MMCOLDRING	170.54
40MMCOLDRING	170.54
50MMCOLDRING	189.48
63MMCOLDRING	189.48



Metal Chamfering Tools

Socket Fusion (½" - 4")

Bevels the outside edge of a pipe end for socket fusion.

STOCK NO	EACH
20MMCHAMFER	78.26
25MMCHAMFER	79.95
32MMCHAMFER	81.65
40MMCHAMFER	85.05
50MMCHAMFER	182.15
63MMCHAMFER	47.37
75MMCHAMFER	195.72
90MMCHAMFER	233.61
125MMCHAMFER	276.88

(08C)



Beveling Plastic Tool

Ranges 20 to 40 mm (½" - 1¼")

STOCK NO	EACH
00SMUSS2062	131.37

(08C)



Drill for PPR InstaBranch Saddles

With Socket Fusion Outlets (NGS or NGSF)

OUTLET	MAIN PIPE	STOCK NO	EACH
½ - ¾"	1¼ - 3"	00FGS254090	233.80
½ - ¾"	4 - 12"	00FGS25110315	233.80
1"	2 - 4"	00FGS3263125	233.80
1"	6 - 12"	00FGS32160315	233.80
1¼"	4 - 24"	00FGS40	278.33
1½"	4 - 24"	00FGS50	556.65
2"	4 - 24"	00FGS63	556.65

(223B)



Pipe Fusion Surface Pyrometer Thermometer

- K-type Digital Thermocouple Thermometer Dual-Channel
- Range: -328°F to 2501°F
- Accuracy: ±1.5% or 7.5°F @ 500°F
- 3 AAA Batteries (Included)
- Auto Off
- Type K Surface Probe

STOCK NO	EACH
FUSIONPYROMETER	276.95

PP-RCT Pipe and Fitting Tools (40)

Niron • Ritmo America • McElroy

nupiamericas.com

Socket Fusion

Heater Bushing Sockets

Working range 20mm to 125mm (½" - 4")

STOCK NO	EACH
20MMSOCKET	70.65
25MMSOCKET	88.65
32MMSOCKET	90.20
40MMSOCKET	108.23
50MMSOCKET	123.23
63MMSOCKET	153.27
75MMSOCKET	151.32
90MMSOCKET	204.86
125MMSOCKET	302.30



Socket Fusion Heater Tool Bags

FITS	STOCK NO	EACH
½ - 4" Heater Tool Bag	R125HEATBAG	208.51

Heater Die Pair for InstaBranch Saddles

For use with Socket Fusion Kits

MAIN PIPE	SADDLE	STOCK NO	EACH
1¼"	½ - ¾"	95307129	196.24
1½"	½ - ¾"	95307130	196.24
2"	½ - ¾"	95307131	196.24
2½"	½ - ¾"	95307132	196.23
3"	½ - ¾"	95307133	208.48
4"	½ - ¾"	95307135	233.02
6"	½ - ¾"	95307136	306.62
8"	½ - ¾"	95307137	490.57
2"	1"	95307101	196.24
2½"	1"	95307102	196.23
3"	1"	95307103	208.48
4"	1"	95307109	233.02
6"	1"	95307113	306.62
8"	1"	95307117	490.57
10"	1"	95307121	515.10
3"	1¼"	95307104	208.48
4"	1¼"	95307110	233.02
6"	1¼"	95307114	306.62
8"	1¼"	95307118	490.57
10"	1¼"	95307122	515.10
3"	1½"	95307100	208.48
4"	1½"	95307111	233.02
6"	1½"	95307115	306.62
8"	1½"	95307119	490.57
10"	1½"	95307123	515.10
4"	2"	95307112	306.62
6"	2"	95307116	323.87
8"	2"	95307120	490.57
10"	2"	95307124	515.10
12"	2"	95307128	576.54

Available 4" outlets up to 24" mains Call for Pricing

(41)

Spider 125 Series 2



63mm - 125mm (2" - 4" Niron)

Ideal for performing socket fusions overhead, vertically and other tight indoor spaces.

Features:

- New jaw clamping system maintains roundness of pipe, improves force distribution
- Strong gearbox and self-locking drive handle for proper alignment and constant fusion pressure
- Lightweight and compact
- Universal clamping jaw system fits all pipe brands and fittings; inserts not required

STOCK NO	EACH
A467602	6174.90
Rental A467602RU	Call for Pricing



Prisma Up 90 Sidewall Socket Fusion Machine

The machine is designed to weld special PP-R joints like collectors and reduced branches.

- Working range: Main pipe Ø 40 ÷ 250 mm; branch pipe: 20 ÷ 90 mm.

STOCK NO	EACH
PRISMAUP90	5124.69

Prisma Up 90 Hole Saws

SIZE	STOCK NO	EACH
20/25MM	2025MMHOSA	206.74
32MM	32MMHOSA	217.08
40MM	40MMHOSA	206.74
50MM	50MMHOSA	413.47
63MM	63MMHOSA	413.47
75MM	75MMHOSA	420.49
90MM	90MMHOSA	420.49



Hornet™ Outlet Fusion Tool

Polypropylene outlet fusion for branch sizes 20mm to 63mm on to 40mm to 630mm main sizes

Features:

- Anodized aluminum wear surfaces
- Quick-change drill and fitting adapter
- Rack and pinion drive for smooth operation
- Self-centering base design ensures fusion operations align on center of pipe
- Integrated ratchet strap allows operation across wide range of pipe sizes
- Light weight and compact
- Carriage locks in position

STOCK NO	EACH
Rental ASW25001RU	Call for Pricing



(41)

Socket Fusion Kit

Features:

- Microprocessor control to precisely set & monitor heater temperature in all field conditions
- Heaters are field serviceable, including the electronics
- 20 ft. power cord
- Two heater stands included in all Heater Kits, providing three mounting options: Toolbox, Bench or Freestanding
- Socket adapters have a durable Teflon coating with size and part number clearly marked
- Durable custom toolbox

20mm - 63mm (½" - 2") • 120V

STOCK NO	EACH
ASW30001	1250.10



(41)

Socket Heater Kit

Requires BOTH items to make a kit

STOCK NO	EACH
For 20mm - 125mm (½" - 4") • 100 - 120V, 1 Phase	
ASW20301	1051.65
Adapter Kit 20mm - 125mm • Brushing & Case Only	
ASW30401	2018.25



(41)

PRISMA JIG

Socket Fusion

A socket welding machine for HDPE, PP & PP-R, PVDF, PB from OD 63 through 125 mm. Machine displays a steel frame that can be used as a support to the aligning body; the unit distinguishes itself by being able to work in tight spaces, after a swift releasing manoeuvre of the frame.

STOCK NO	EACH
Rental JIGKITRU	Call for Pricing

Butt Fusion Machines



(41)
Acrobat 160
63mm - 160mm (2" - 6")
Includes: 160mm & 125mm jaws
Features:
- Small footprint, lightweight
- Tool-less conversion from 4-jaw to 3-jaw carriage for tight work spaces
- Narrow jaws allow fusions for flanges to outlet branch of tees and most fittings
- Hard anodized aluminum wear surfacesble

Includes: Fusion machine, facer, heater, insulated heater stand, facer stand, Acrobat HPU (Hydraulic Power Unit) 120V & shipping container.

STOCK NO	EACH
A714501	24139.35
Rental A714501RU	Call for Pricing

Replacement Blades for Acrobat 160

STOCK NO	EACH
710604	324.00





(41)
Butt Fusion Insert Jaws
For Acrobat 160 & 250

SIZE	STOCK NO	EACH
75MM (2½")	716810	703.35
90MM (3")	716808	703.35
110MM (3½")	716804	703.35
125MM (4")	716802	703.35
160MM (6")	2503812	1930.50
200MM (8")	2503813	2172.15

Rentals

SIZE	STOCK NO	EACH
63MM	716812RU	Call for Pricing
75MM (2½")	716810RU	Call for Pricing
90MM (3")	716808RU	Call for Pricing
110MM (3½")	716804RU	Call for Pricing
125MM (4")	716802RU	Call for Pricing



(41)
Acrobat 250
63mm - 250mm (2" - 10")
Includes: 250mm, 200mm & 160mm jaws
Features:
- Small footprint, lightweight
- Tool-less conversion from 4-jaw to 3-jaw carriage for tight work spaces
- Narrow jaws allow fusions for flanges to outlet branch of tees and most fittings
- Hard anodized aluminum wear surfacesble

Includes: Fusion machine, facer, heater, insulated heater stand, facer stand, Acrobat HPU (Hydraulic Power Unit) 120V & shipping container.

STOCK NO	EACH
A2500101	35444.25
Rental A2500101RU	Call for Pricing

Replacement Blades for Acrobat 250

STOCK NO	EACH
T1208602	600.75





ACROBAT™ 315 with EP800AD HPU
Includes fusion machine, 200mm to 315mm (8" - 12") inserts, facer, heater, insulated heater stand, facer stand, HPU (Hydraulic Power Unit) and shipping container.
Low Force Carriage, 120V EP800AD HPU

STOCK NO	EACH
A31500101	40259.70
Rental A31500101RU	Call for Pricing

99% Isopropyl Alcohol
1 Gallon

STOCK NO	EACH
2907	65.37

(08C)
Black Bead Tape
SELF AMALGAMATING TAPE
TO PROTECT WELDING BEAD FROM UV



SIZE	STOCK NO	EACH
4" x 50'	00TAPE04	278.33

IPS & MM Pipe Clamps



BISMAT® Flash
- single screw clamp
- with BISMAT® Flash quick locking system
- clamp easy to close with one hand
- locking screw can be secured without tools
- material: steel
- zinc plated
- noise insulating lining, EPDM rubber, black
- age resistant lining
- sound insulating lining according DIN 4109
- tested for fire safety

For use with ⅜" Threaded Rod

IPS	NIRON (MM)	STOCK NO	EACH
½"	20 mm	CR3379023	3.72
¾"	25 mm	CR3379028	3.88
1"	32 mm	CR3379035	4.19
1¼"	40 mm	CR3379043	5.13
1½"	50 mm	CR3379051	5.49
2"	63 mm	CR3379063	6.03



W2000 Cushion Strut Clamp
- alternative to the Cushion Clamp
- one-piece design - no loose parts
- easier, faster, safer - installs with one hand
- 3-way screw head - Phillips, flat and hex
- design allows one clamp to fit multiple sizes
- W Series Clamps are boxed for easy handling
- material: steel 1.0242
- high grade Zn-Mg based coating
- rubber lining protects against corrosion
- noise/vibration insulating lining
- age resistant lining

IPS	NIRON (MM)	STOCK NO	EACH
½"	20 mm	2025012	2.23
¾"	25 mm	2025014	2.53
1"	32 mm	2025016	4.22
1¼"	40 mm	2025020	5.18
1½"	50 mm	2025022	5.49
2"	63 mm	2025026	6.27



BIS Heavy Duty Clamp HD1501
- wo-part clamp with two locking bolts
- up to and including 5": locking nut is captive
- heavy design
- bolts secured with anti-loss washer
- with CO2 welded connection nut
- material: steel
- surface protection:
  - part of the BIS UltraProtect® 1000 system
  - suitable for in and outdoor applications
- noise insulating lining, EPDM rubber, black
- age resistant lining
- sound insulating lining according DIN 4109
- tested for fire safety

For use with ½" & ⅜" Threaded Rod

IPS	NIRON (MM)	STOCK NO	EACH
¾"	25 mm	33178029	14.22
1"	32 mm	33178035	18.31
1¼"	40 mm	33178045	16.43
1½"	50 mm	33178051	16.94
2"	63 mm	33178064	18.40
2½"	75 mm	33178078	17.75
3"	90 mm	33178092	17.98
4" IPS ONLY	--	33178116	21.75
4" Niron	125 mm	33178133	25.87
6"	160 mm	33178169	40.82
--	200 mm	33178204	45.88
--	250 mm	33178250	47.20
12"	315 mm	33178325	73.21



No-Hub Pipe
10' Length

PIPE SIZE	STOCK NO	EACH LENGTH
1½"	112X10NH	325.50
2"	2X10NH	326.07
3"	3X10NH	450.94
4"	4X10NH	585.37
5"	5X10NH	842.06
6"	6X10NH	1006.32
8"	8X10NH	1564.69
10"	10X10NH	2658.57
12"	12X10NH	3861.93



¼ Bend

SIZE	STOCK NO	EACH
1½"	112NHL	44.25
2"	2NHL	48.18
3"	3NHL	67.31
4"	4NHL	99.37
5"	5NHL	223.68
6"	6NHL	248.06
8"	8NHL	674.81



¼ Bend Reducing

SIZE	STOCK NO	EACH
4x3	4X3NHL	201.74



Short Sweep

SIZE	STOCK NO	EACH
2"	2NHSSL	67.31
3"	3NHSSL	87.75
4"	4NHSSL	155.25
5"	5NHSSL	272.07
6"	6NHSSL	285.75
8"	8NHSSL	739.50
10"	10NHSSL	1349.24
12"	12NHSSL	4212.93
15"	15NHSSL	5518.13



Long Sweep

SIZE	STOCK NO	EACH
1½"	112NHLRL	112.50
2"	2NHLRL	105.00
3"	3NHLRL	127.13
4"	4NHLRL	202.31
5"	5NHLRL	365.81
6"	6NHLRL	447.00



Double ¼ Bend

SIZE	STOCK NO	EACH
2"	2NHDL	108.57



¼ Bend with 2" Low Heel Inlet

SIZE	STOCK NO	EACH
3"	3X2NHHIL	106.31
4"	4X2NHHIL	135.57



Tapped ¼ Bend

SIZE	STOCK NO	EACH
1½"	112NHFAL	59.82
2 x 1½"	2X112NHFAL	55.69
2 x 2"	2NHFAL	81.93



⅙ Bend

SIZE	STOCK NO	EACH
2"	2NH60L	50.63
3"	3NH60L	65.62
4"	4NH60L	87.75



⅛ Bend

SIZE	STOCK NO	EACH
1½"	112NH45L	36.75
2"	2NH45L	41.43
3"	3NH45L	55.69
4"	4NH45L	72.94
5"	5NH45L	151.69
6"	6NH45L	161.43
8"	8NH45L	464.99
10"	10NH45L	883.68
12"	12NH45L	1786.50
15"	15NH45L	3563.43



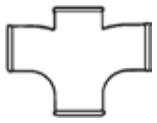
1/16 Bend

SIZE	STOCK NO	EACH
1½"	112NH22L	38.81
2"	2NH22L	42.38
3"	3NH22L	49.32
4"	4NH22L	65.25
5"	5NH22L	144.37
6"	6NH22L	174.57
8"	8NH22L	277.68



Sanitary Tee

SIZE	STOCK NO	EACH
1½"	112NHST	62.06
2 x 1½"	2X112NHST	67.31
2"	2NHST	66.38
3 x 1½"	3X112NHST	78.56
3 x 2"	3X2NHST	72.56
3"	3NHST	81.93
4 x 2"	4X2NHST	104.06
4 x 3"	4X3NHST	119.06
4"	4NHST	155.06
5 x 2"	5X2NHST	258.94
5 x 3"	5X3NHST	272.07
5 x 4"	5X4NHST	279.94
6 x 2"	6X2NHST	267.56
6 x 4"	6X4NHST	279.94
5"	5NHST	362.06
6"	6NHST	369.00
8 x 4"	8X4NHST	788.99
8"	8NHST	1496.06



Sanitary Cross

SIZE	STOCK NO	EACH
1½"	112NHSX	93.74
2"	2NHSX	113.06
3x2"	3X2NHSX	155.63
3"	3NHSX	174.19
4x2"	4X2NHSX	222.18
4x3"	4X3NHSX	268.12
4"	4NHSX	329.99



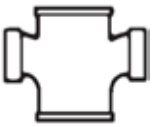
Side Outlet Sanitary Tee

SIZE	STOCK NO	EACH
3x3x2LH	3X3X2NHLSOT	281.62
3x3x2RH	3X3X2NHRSOT	281.62



Sanitary Tapped Tee

SIZE	STOCK NO	EACH
1½ x 1½"	112NHTST	81.93
2 x 1¼"	2X114NHTST	81.93
2 x 1½"	2X112NHTST	72.56
2 x 2"	2X2NHTST	83.44
3 x 1½"	3X112NHTST	98.81
3 x 2"	3X2NHTST	115.68
3 x 3"	3X3NHTST	213.56
4 x 1½"	4X112NHTST	102.56
4 x 2"	4X2NHTST	116.25



Sanitary Tapped Cross

SIZE	STOCK NO	EACH
1½ x 1½"	112X112NHTSX	103.13
2 x 1½ "	2X112NHTSX	101.06
2 x 2"	2X2NHTSX	119.81

Test Tees - less Plug



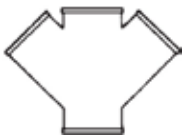
SIZE	STOCK NO	EACH
2"	2X2NHTT	59.99
3"	3X3NHTT	98.63
4"	4X4NHTT	173.06
5"	5X5NHTT	355.87
6"	6X6NHTT	378.38
8"	8X8NHTT	966.18
10"	10X10NHTT	1804.32

Wye



SIZE	STOCK NO	EACH
1½"	112NHY	62.82
2"	2NHY	61.32
3x2"	3X2NHY	66.38
3"	3NHY	89.44
4x2"	4X2NHY	95.07
4x3"	4X3NHY	124.50
4"	4NHY	143.25
5x2	5X2NHY	210.18
5x3	5X3NHY	295.12
5x4	5X4NHY	303.56
5"	5NHY	339.19
6x3	6X3NHY	295.12
6x4	6X4NHY	303.56
6x5	6X5NHY	368.44
6"	6NHY	380.62
8x3	8X3NHY	476.63
8x4	8X4NHY	522.19
8x5	8X5NHY	632.62
8x6	8X6NHY	642.18
8"	8NHY	896.25
10"	10NHY	1989.00
12"	12NHY	3917.07
10x4	10X4NHY	1379.25
10x6	10X6NHY	1443.74
10x8	10X8NHY	1732.50
15"	15NHY	9111.57

Double Wye



SIZE	STOCK NO	EACH
2"	2NHDY	97.50
3x2"	3X2NHDY	151.69
3"	3NHDY	179.81
4"	4NHDY	365.07
4x2"	4X2NHDY	201.74
4x3"	4X3NHDY	228.00
5x4	5X4NHDY	484.31
6x4	6X4NHDY	520.68
6"	6NHDY	644.44
8"	8NHDY	1898.25

Combination Wye & ⅛ Bend



SIZE	STOCK NO	EACH
1½"	112NHLTY	66.74
2x1½"	2X112NHLTY	74.44
2"	2NHLTY	70.12
3x2"	3X2NHLTY	87.75
3"	3NHLTY	110.25
4x2"	4X2NHLTY	114.18
4x3"	4X3NHLTY	162.38
4"	4NHLTY	213.00
5x3	5X3NHLTY	362.62
5x4	5X4NHLTY	400.50
5"	5NHLTY	434.25
6x2	6X2NHLTY	295.12
6x3	6X3NHLTY	358.13
6x4	6X4NHLTY	342.56
6"	6NHLTY	582.94
8x4	8X4NHLTY	710.44
8x6	8X6NHLTY	1062.56
8"	8NHLTY	1363.31

Double Combination Wye & ⅛ Bend



SIZE	STOCK NO	EACH
2"	2NHDTY	166.68
3x2"	3X2NHDTY	218.25
3"	3NHDTY	256.50
4x2"	4X2NHDTY	318.56
4x3"	4X3NHDTY	334.13
4"	4NHDTY	504.37

Upright Wye



SIZE	STOCK NO	EACH
2"	2NHUY	107.81
4x2	4X2NHUY	148.12
3"	3NHUY	147.38
3x2"	3X2NHUY	105.56
4"	4NHUY	389.81
4x3"	4X3NHUY	196.87

Short Reducer



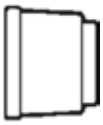
SIZE	STOCK NO	EACH
2x1½"	2X112NHR	34.87
3x2	3X2NHR	34.68
4x2	4X2NHR	52.31
4x3	4X3NHR	52.31
5x3	5X3NHR	97.50
5x4	5X4NHR	101.06
6x2	6X2NHR	144.37
6x3	6X3NHR	140.82
6x4	6X4NHR	140.82
6x5	6X5NHR	144.37
8x4	8X4NHR	217.31
8x5	8X5NHR	245.44
8x6	8X6NHR	241.69
10x4	10X4NHR	426.75
10x6	10X6NHR	451.13
10x8	10X8NHR	528.94
12x6	12X6NHR	946.12
12x8	12X8NHR	973.12
12x10	12X10NHR	989.25

Tapped Adapters



SIZE	STOCK NO	EACH
1½"	112NHTA	53.43
2x2"	2X2NHTA	55.31
2x1½"	2X112NHTA	55.31

Tapped Ferrule - less Plug



SIZE	STOCK NO	EACH
2x1½ "	2X112NHCO	45.37
3x2½ "	3X212NHCO	51.75
4x3½ "	4X312NHCO	57.56
5x4"	5X4NHCO	136.50
6x5"	6X5NHCO	128.82
8x6"	8X6NHCO	310.69

Blind Plug



SIZE	STOCK NO	EACH
1½"	112NHBP	24.00
2"	2NHBP	24.19
3"	3NHBP	34.87
4"	4NHBP	55.31
5"	5NHBP	101.06
6"	6NHBP	105.56
8"	8NHBP	280.31
10"	10NHBP	413.25
12"	12NHBP	654.75
15"	15NHBP	1124.25

Figure Five Double Fixture



SIZE	STOCK NO	EACH
2"	2NHDFF	160.88
3"	3NHDFF	400.32
4"	4NHDFF	651.38

Figure One



1½" Tapped (Sides)

SIZE	STOCK NO	EACH
2 x 1½"	EZS1	165.75

No-Hub Cast Iron Pipe and Fittings

Charlotte Pipe

charlottepipe.com



(10)

P-Trap

SIZE	STOCK NO	EACH
1½"	112NHPT	74.44
2"	2NHPT	70.12
3"	3NHPT	153.75
4"	4NHPT	272.07
6"	6NHPT	659.62



(10)

Deep Seal P-Trap

SIZE	STOCK NO	EACH
2"	2NHDPT	164.07
3"	3NHDPT	264.18
4"	4NHDPT	419.62



(10a)

No-Hub Coupling

SIZE	STOCK NO	EACH
1½"	112NHC	10.77
2 x 1½"	2X112NHC	12.54
2"	2NHC	10.77
3"	3NHC	12.89
3 x 2"	3X2NHC	19.61
4"	4NHC	15.23
4x3"	4X3NHC	23.28
5"	5NHC	37.08
6"	6NHC	38.53
8"	8NHC	72.88
10"	10NHC	96.23
12" (extra heavy)	12NHC	368.23
15" (extra heavy)	15NHC	487.74

Husky

anaco-husky.com



(02)

White 5/16" Drive Heavy Duty Coupling

SIZE	STOCK NO	EACH
2" (4-Band)	2HD2006	18.25
3" (4-Band)	3HD2008	21.05
4" (4-Band)	4HD2010	24.49
5" (6-Band)	5HD2012	50.36
6" (6-Band)	6HD2014	57.41
8" (6-Band)	8HD2016	118.36
10" (6-Band)	10HD2017	152.17

(02)

Orange 3/8" Drive Super Duty Cplg

SIZE	STOCK NO	EACH
1½" (4-Band)	112SD4002	22.80
2" (4-Band)	2SD4006	24.29
3" (4-Band)	3SD4008	27.50
4" (4-Band)	4SD4010	32.68
5" (6-Band)	5SD4012	67.00
6" (6-Band)	6SD4014	79.30
8" (6-Band)	8SD4016	157.01
10" (6-Band)	10SD4017	201.95
12" (6-Band)	12SD4018	257.74

(02)

Hi-Torq Flush Sleeve

SIZE	STOCK NO	EACH
3"	HT30033	6.41



(40)

No-Hub Torque Wrench

MODEL	STOCK NO	EACH
7020	PA7020	31.32

(40)

Water Manometer

SIZE	STOCK NO	EACH
12" Scale	WAMA	85.31

Ideal

idealtridon.com



(02)

Yellow 5/16" Drive Heavy Duty MD Coupling

SIZE	STOCK NO	EACH
1½" 4-Band	6217Y8G	16.33
2" 4-Band	6218Y8G	17.30
3" 4-Band	6219Y8G	19.96
4" 4-Band	6220Y8G	23.21
5" 6-Band	6221Y8G	47.74
6" 6-Band	6222Y8G	54.42
8" 6-Band	6223Y8G	112.21
10" 6-Band	6230Y8G	144.26



(02)

Green 3/8" Drive Heavy Duty HD Coupling

SIZE	STOCK NO	EACH
1½" 4-Band	6217H8G	19.55
2" 4-Band	6218H8G	20.83
3" 4-Band	6219H8G	23.58
4" 4-Band	6220H8G	28.02
5" 6-Band	6221H8G	57.45
6" 6-Band	6222H8G	68.00
8" 6-Band	6223H8G	134.61
10" 6-Band	6230H8G	173.15

Black Swan



(18)

No-Hub Sealant

Quart

STOCK NO	EACH
SW04085	43.61



(18)

Gasket Lubricants Lubri/Fast

SIZE	STOCK NO	EACH
Quart	4080	32.40

(02)

Ty-Seal

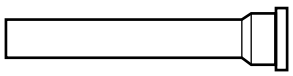
SIZE	STOCK NO	EACH
Quart	QTTYSE	30.65
Gallon	GATYSE	104.49

blackswanmfg.com

Hub Cast Iron Pipe and Fittings (10)

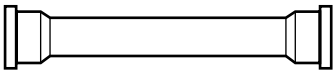
Service Weight

charlottepipe.com



Single Hub Pipe

PIPE SIZE	STOCK NO	EACH LENGTH
5 foot lengths		
2"	2X5SVSH	383.41
3"	3X5SVSH	391.95
4"	4X5SVSH	454.36
6"	6X5SVSH	860.68
8"	8X5SVSH	1305.03
10"	10X5SVSH	1846.17
12"	12X5SVSH	2437.01
10 foot lengths		
2"	2X10SVSH	381.71
3"	3X10SVSH	501.88
4"	4X10SVSH	652.28
6"	6X10SVSH	1121.50
8"	8X10SVSH	1745.98
10"	10X10SVSH	2906.23
12"	12X10SVSH	4221.99
15"	15X10SVSH	6170.77



30" Double Hub Shorties

SIZE	STOCK NO	EACH
3"	3X30SVDH	371.72
4"	4X30SVDH	421.44



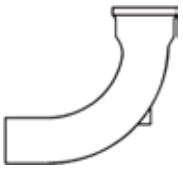
¼ Bend

SIZE	STOCK NO	EACH
2"	2SVL	86.54
3"	3SVL	115.78
4"	4SVL	181.83
6"	6SVL	315.66
8"	8SVL	950.87
10"	10SVL	1389.38
12"	12SVL	1882.24



¼ Bend Short Sweep

SIZE	STOCK NO	EACH
2"	2SVSSL	84.82
3"	3SVSSL	151.62
4"	4SVSSL	232.29
6"	6SVSSL	470.43



¼ Bend Long Sweep

SIZE	STOCK NO	EACH
2"	2SVLRL	131.87
3"	3SVLRL	187.93
4"	4SVLRL	275.93



⅙ Bend

SIZE	STOCK NO	EACH
4"	4SV60L	173.31



⅛ Bend

SIZE	STOCK NO	EACH
2"	2SV45L	61.67
3"	3SV45L	96.77
4"	4SV45L	141.62
5"	5SV45L	199.14
6"	6SV45L	239.85
8"	8SV45L	716.62
10"	10SV45L	1029.85
12"	12SV45L	1953.17



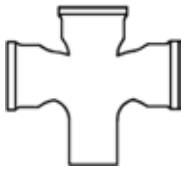
1⁄16 Bend

SIZE	STOCK NO	EACH
2"	2SV22L	69.71
4"	4SV22L	123.58
6"	6SV22L	209.39



Sanitary Tee

SIZE	STOCK NO	EACH
2"	2SVST	121.15
3"	3SVST	195.49
4"	4SVST	239.85
3x2	3X2SVST	168.43
4x2	4X2SVST	204.51
4x3	4X3SVST	220.10
6"	6SVST	541.36



Sanitary Cross

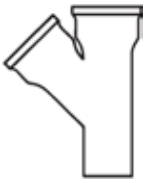
SIZE	STOCK NO	EACH
2"	2SVSX	263.74
4"	4SVSX	400.23



Clean-out Tee

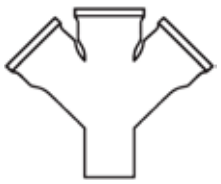
less cover

SIZE	STOCK NO	EACH
3"	3SVCOT	474.09
4"	4SVCOT	503.59
6"	6SVCOT	808.52
8"	8SVCOT	1459.09



Wye

SIZE	STOCK NO	EACH
2"	2SVY	110.42
3"	3SVY	204.51
4"	4SVY	273.97
5"	5SVY	485.80
6"	6SVY	630.59
8"	8SVY	1541.71
12"	12SVY	6290.46
3x2	3X2SVY	158.68
4x2	4X2SVY	213.04
4x3	4X3SVY	234.74
5x2	5X2SVY	363.19
5x3	5X3SVY	382.68
6x4	6X4SVY	425.10
8x4	8X4SVY	811.44
8x6	8X6SVY	1007.67
10x4	10X4SVY	1389.38
12x4	12X4SVY	2348.04
12x6	12X6SVY	2419.96
12x8	12X8SVY	3019.33
15X8"	15X8SVY	8354.29
15X12"	15X12SVY	8830.58



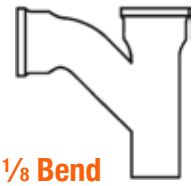
Double Wye

SIZE	STOCK NO	EACH
2"	2SVDY	269.34

Hub Cast Iron Pipe and Fittings (10)

Service Weight

charlottepipe.com



Combination Wye & 1/8 Bend

SIZE	STOCK NO	EACH
2"	2SVLTY	151.62
3"	3SVLTY	230.35
4"	4SVLTY	317.84
6"	6SVLTY	762.70
3x2	3X2SVLTY	174.29
4x2	4X2SVLTY	234.74
4x3	4X3SVLTY	276.41
6x4	6X4SVLTY	549.90



Reducer

SIZE	STOCK NO	EACH
3x2	3X2SVR	84.82
4x2	4x2SVR	96.77
4x3	4x3SVR	110.42
6x4	6X4SVR	222.79
6x5	6X5SVR	239.85
8x4	8X4SVR	371.72
8x6	8X6SVR	381.71
10x4	10X4SVR	559.90
10x6	10X6SVR	626.68
10x8	10X8SVR	627.41
12x6	12X6SVR	977.68
12x10	12X10SVR	1021.07
15x6	15X6SVR	1906.38
15x12	15X12SVR	2173.27



Blind Plug

SIZE	STOCK NO	EACH
2"	2SVBP	43.63
3"	3SVBP	61.91
4"	4SVBP	75.80



No 70 Trap

SIZE	STOCK NO	EACH
2"	2SVPT	138.46
3"	3SVPT	206.46
4"	4SVPT	297.38



No 71 Deep Seal P-Trap

SIZE	STOCK NO	EACH
2"	2SVDPT	245.46
3"	3SVDPT	302.74



No 73 Running Trap

SIZE	STOCK NO	EACH
4"	4SVRT	582.81



No 2-253 Plain End Closet Bend

SIZE	STOCK NO	EACH
4x4x16	4X4X16CB	360.99
4x6x16	4X6X16CB	416.08
4x4x16x16	4X4X16X16CB	548.19
3x4x16x16	3X4X16X16CB	533.82
4x3x6x16	4X3X6X16CB	338.81



TY Seal Gaskets

SIZE	STOCK NO	EACH
2"	2TYSEGA	18.46
3"	3TYSEGA	23.52
4"	4TYSEGA	29.67
5"	5TYSEGA	46.74
6"	6TYSEGA	48.13
8"	8TYSEGA	105.39
10"	10TYSEGA	183.30
12"	12TYSEGA	233.61
15"	15TYSEGA	279.66

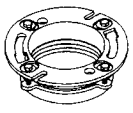


Closet Collar

With 2" Offset

Lead & Oakum Caulk type to go over pipe

SIZE	STOCK NO	EACH
4x4x2	4X4X2CF	437.54



CF4 No Caulk Closet Flange

To go over pipe

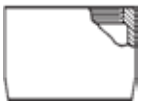
WIDTH X HEIGHT	STOCK NO	EACH
3x2	3X2CFNC	38.18
4x2	4X2CFNC	37.97
4x3	4X3CFNC	50.01
4x4	4X4CFNC	109.59



No 2-252 Closet Collar

Lead & Oakum Caulk type to go over pipe

WIDTH X HEIGHT	STOCK NO	EACH
4x1	4X1CF	68.01
4x1½	4X112CF	68.01
4x2	4X2CF	81.18
4x2½	4X212CF	89.45
4x3	4X3CF	109.69
4x3x3 (Reducing)	4X3X3CF	122.85
4x4	4X4CF	144.79
4x6	4X6CF	254.23



Cleanout Plug/less cover

SIZE	STOCK NO	EACH
3 x 2½"	3SVCOP	82.88
4 x 3½"	4SVCOP	101.64
6 x 5"	6SVCOP	192.56
8 x 6"	8SVCOP	368.55



Type A Cover

Low Square Head
Rough Brass

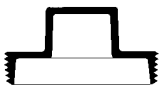
SIZE	STOCK NO	EACH
1½"	112ACOC	57.04
2"	2ACOC	57.04
2½"	212ACOC	80.92
3"	3ACOC	88.48
3½"	312ACOC	125.78
4"	4ACOC	146.49
5"	5ACOC	253.02
6"	6ACOC	527.23
8"	8ACOC	734.67



Type S Cover

Rough Brass

SIZE	STOCK NO	EACH
1½"	112SCOC	83.10
2"	2SCOC	78.98
2½"	212SCOC	130.52
3"	3SCOC	106.03
3½"	312SCOC	125.78
4"	4SCOC	168.93
5"	5SCOC	281.53
6"	6SCOC	495.54

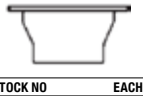


Type O Cover

Rough Brass
Cored High Hex Head

SIZE	STOCK NO	EACH
10"	10OCOC	3175.36





No-Hub Closet Flange Notched and Sloted

WIDTH X HEIGHT	STOCK NO	EACH
4x3x3½"	4X3X312NHCF	99.00
4x4x4"	4X4X4NHCF	115.68

IPS Test Ball Plugs



PIPE SIZE	STOCK NO	EACH
8"	IPS83628	563.39

IPS Test Plugs



Pressure relief pneumatic test plugs.

PIPE SIZE	STOCK NO	EACH
1½"	IPS83756	68.31
2"	IPS83757	62.72
3"	IPS83758	85.67
4"	IPS83759	99.18

Cherne Clean-Seal Plugs



SIZE	STOCK NO	EACH
2"	CH271705	64.49
3"	CH271713	69.90
4"	CH271721	71.49

Hose with Poly-Lift Line



- Great for plugs up to 15"
- 3/16" ID hose
- Threaded connection fittings

SIZE	STOCK NO	EACH
30'	CH261106	275.98

Poly-Lift Line and Gauge



- Greater lifting strength
- Recommended for plugs 6" to 48"
- Retard gauge helps prevent peg-out damage
- Heavy-duty rubber gauge
- 3/8" geavy-duty ID hose, quick inflation/deflation
- Quick-dump valve for easy deflation

SIZE	STOCK NO	EACH
30'	CH383308	583.95

Deflection Gauge Fixed SDR 35.5%



- Durable, zinc-plated construction
- Conforms to mandrel sizing specification (blade length = or > nominal pipe size)
- Nine-arm design ensures testing accuracy
- Open design allows debris pass-through

SIZE	STOCK NO	EACH
6"	CH286068	393.36
8"	CH286078	512.07
10"	CH286088	602.44
12"	CH286098	602.44

Manhole Cover Hook



With 90° Handle

SIZE	STOCK NO	EACH
36"	CH015438	120.79

Long Test Ball



- Natural-rubber construction
- Compatible with PVC pipes
- Makes sealing wye fittings easy when performing tests on DWV systems
- 13 psi or 30 ft. of head pressure
- Ring and chain assembly help prevent the plug from being drawn into system during testing
- 3 ft. extension hose with car-tire inflation valve

SIZE	STOCK NO	EACH
3"	CH271039	145.98
4"	CH271047	168.10
4-6"	CH271098	382.40

Pneumatic Test Plugs



- Natural rubber body provides excellent expansion and a great seal in pipe
- Inflatable design can fit through test tees, sanitary tees, floor drains and other hard to access pipe openings
- Ideal for testing pressures up to 13 psi or with 30 ft. of head pressure
- Standard tire air fitting for easy connections.
- Ring and chain assembly helps prevent the plug from being drawn into DWV systems

PIPE SIZE	STOCK NO	EACH
1¼-1½"	CH270016	47.90
2"	CH270024	51.81
3"	CH270032	56.04
4"	CH270040	64.85
5"	CH270059	154.94
6"	CH270067	183.33

Extension Hose



- Ideal for plumbing applications
- Standard tire fitting connections
- Easy to install
- 3/16 in. ID hose

SIZE	STOCK NO	EACH
3'	CH274038	23.60

Clean-Seal 2® Plugs



Plug, fill and drain a DWV system from any PVC, ABS or cast iron tee.

SIZE	STOCK NO	EACH
3"	CH271838	78.15

Econ-O-Pump™ Test Pumps



- Test Pumps ensure high performance during inflation of test plugs
- Traditional thumb lock
- 200 psi gauge with cover

STOCK NO	EACH
CH273888	59.19

Underground Muni-Ball Plugs



- Works in all types of pipe
- Natural rubber seals the roughest of surfaces
- 8", 10" and 12" plugs include two-port plug for easy use in sewer air tests
- Threaded aluminum bypass

SIZE	BYPASS	STOCK NO	EACH
2"	1/8"	CH262010	287.74
3"	1/2"	CH262258	310.94
4"	3/4"	CH262048	310.94
6"	1½"	CH262064	366.74
8"	3"	CH262080	448.13
10"	3"	CH262110	591.95
12"	3"	CH262129	831.65

Underground Test-Ball Plugs



- Natural rubber for superb expansion & memory
- Seals both round and out-of-round pipe
- Removable inflation valve can be replaced with quick disconnect or if it is damaged
- Features an eye-bolt for use with a poly-lift line
- Block flow or back plug for sewer air testing

PIPE SIZE	STOCK NO	EACH
8"	CH041386	337.67
10"	CH041394	548.18
12"	CH041408	689.92

Inside of Pipe Gripper Plugs



- Rated for 17 PSI or 40 ft. of head pressure
- Extra large zinc wing nut
- Natural rubber O-ring
- ABS glass-reinforced plates
- Zinc-Plated carriage bolt

PIPE SIZE	STOCK NO	EACH
4"	CH270296	16.19
6"	CH270253	43.79
8"	CH270288	83.32

Air-Loc Plug (Front)



- Mechanical bonding of natural rubber & end plates eliminates failures of chemical bonding
- Improved performance and safety
- Superior back pressure (15 psi, 1 bar)
- Premium performance and aesthetics
- Lightweight, short and flexible

PIPE SIZE	STOCK NO	EACH
6-12"	CH317128	1198.50

I-Series Test-Ball Plug



- Mechanical bonding of natural rubber & end plates eliminates failures of chemical bonding
- Improved performance and safety
- Superior back pressure (15 psi, 1 bar)
- Premium performance and aesthetics
- Lightweight, short and flexible

PIPE SIZE	STOCK NO	EACH
6-12"	CH310128	1040.09

Test Plugs

(18)

Test-Tite Mechanical Test Plug



SIZE	STOCK NO	EACH
2"	IPS83656	103.28
3"	IPS83657	111.32
4"	IPS83658	133.09
6"	IPS83659	529.56

(02)

Ingot Lead

SIZE	STOCK NO	EACH
Per Lb.	LBLEAD	7.56

(02)

Oakum



SIZE	STOCK NO	EACH
5# Box-27"lengths	5LBOA	55.05

(02)

Lead Wool



SIZE	STOCK NO	EACH
5 Lb.	LBLEWO	7.39

(02)

Kollar Kap Closet Flange Spacer



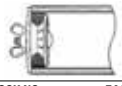
Installs on 4" closet stub before pouring concrete.
Made of molded expandable polystyrene.
Height 7", Diameter at top 6"

STOCK NO	EACH
4KOKA	10.64

(18)

"Twist-Tite"

Mechanical Plug



SIZE	STOCK NO	EACH
2"	2GRPL	11.46
4"	4GRPL	17.73

(40)

Model 200 Test Pump



Delivers a large volume of air for testing vents and waste systems in apartments, comercial buildings and residential dwellings.

Check valve, test valve, gauge, and 1¹/₂" adaptor

STOCK NO	EACH
TP200	485.60

(02)

TESTRITE Test Wedge

with Valve.

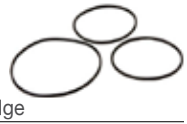


PIPE SIZE	STOCK NO	EACH
2"	HOTRW2V	45.87
3"	HOTRW3V	51.26

(02)

Seal Replacement Kit

Used with TESTRITE Test Wedge



SEAL SIZE	STOCK NO	EACH
2"	HOTRR2	8.36
3"	HOTRR3	11.20

(02)

Test Clean-Out Tee

with Plug.



PIPE SIZE	STOCK NO	EACH
2"	HOTRPVC2AB	22.26
3"	HOTRPVC3AB	29.68

(02)

Spanner Ring Tool



PIPE SIZE	STOCK NO	EACH
2"-3"	HOTRT23	58.68

(18)

Econ-O-Grip Plugs



SIZE	STOCK NO	EACH
1½"	112ECGRPL	4.43
2"	2ECGRPL	4.79
3"	3ECGRPL	7.50
4"	4ECGRPL	9.39
5"	5ECGRPL	18.25
6"	6ECGRPL	20.07

(18)

Standard "Test Titan" Mechanical Test Plugs



SIZE	STOCK NO	EACH
1½"	8821	5.36
2"	8822	5.36
3"	8823	8.06
4"	8824	9.96

(02)

Gripper Cleanout Plugs



With Neoprene Gasket
For openings with damaged/deteriorated threads.
Also used for openings under construction, to keep out debris.
Easy to install and reusable.

SIZE	STOCK NO	EACH
3½"	312ETCOPL	29.97
4"	4ETCOPL	32.63

(18)

"Fit-All" Cleanout Plugs



SIZE	STOCK NO	EACH
3"	CS8260	17.85
3½"	CS8261	14.39
4"	CS8262	21.25

(40)

Drum Trap 4-Way Countersunk Plug Wrench



SIZES	STOCK NO	EACH
¾", 1", 1⅛", 1⅜"	DTPW	36.39

(18)

Counter Sunk ABS Plugs

Tamper Proof



SIZE	STOCK NO	EACH
1½"	CS15	18.08
2"	CS2	18.62
2½"	CS25	24.56
3"	CS3	25.10
3½"	CS35	25.91

Reserved

Roof Flashings (02)



4# Sheet Lead

1/16" Thick

SIZE	STOCK NO	EACH
36x36"	36X36SHLE	155.52
48x48"	48X48SHLE	276.48

(18)

40 MIL PVC Shower Pan Liner

SIZE	STOCK NO	EACH
5'x 40' Roll	5X40PL	480.81

(18)

40 MIL PVC Shower Pan Liner

SIZE	STOCK NO	EACH
4'x 50' Roll	4X50PL	480.81

(18)

Cut to Measure (per running foot)

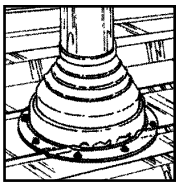
SIZE	STOCK NO	EACH
4' wide	4PL	10.68
5' wide	5PL	13.36

(18)

PVC Shower Pan Liner Cement

STOCK NO	EACH
PVLICE	47.74

maycoindustries.com



Adjustable Roof Flashing

For corrugated steel roofs. Unaffected by ice and snow, hail storms, vibration, expansion and contraction. On sight installation. Easily customized with a knife or scissors to accomodate a broad range of pipes and vent diameters.

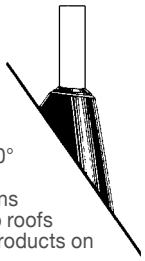
SIZE	STOCK NO	EACH
1/4-2"	OA14050	36.58
1 1/4-3"	OA14051	42.45
3-6"	OA14053	70.59
5-9"	OA14055	101.56



Oatey All-Flash® No-Calk® Roof Flashing

- Thermoplastic Base
- Rated 180° continuous heat
- Approved for type B installations
- Plastic base forpitch from 0-45°
- Do not use petroleum based products on plastic bases or rubber collars.

SIZE	STOCK NO	EACH
1 1/2, 2, 3"	OA11919	11.10
3, 4"	OA11920	14.97



Oatey Highrise® Roof Flashing

- Slides over pipe for pitch 10-60°
- Rated 180° continuous heat
- Approved for type B installations
- Not for hot-mopped or built-up roofs
- Do not use petroleum based products on plastic bases or rubber collars.

SIZE	STOCK NO	EACH
1 1/2, 2, 3"	OA11930	18.72
3, 4"	OA11931	24.00



Sideflash Vertical Flashing

Hard plastic base with elastomeric collar.
NOT for use on sloped surfaces

SIZE	STOCK NO	EACH
1/2"-2 1/2"	OA12805	13.78
3-6"	OA12806	17.15

oatey.com



Galvanized Steel Base Roof Cap

SIZE	STOCK NO	EACH
1,1 1/4,1 1/2,2	NC1	10.70
2"	NC2	18.96
3"	NC3	20.63
4"	NC4	26.78

ipscorp.com



Olson Roof Cap

SIZE	STOCK NO	EACH
Slant		
2"	21S	47.22
3"	31S	51.52
4"	41S	59.04
Flat		
2"	21F	63.22
3"	31F	67.30
4"	41F	71.37
Tops Only		
Fits 2"	2OLT	35.44
Fits 3"	3OLT	37.80
Fits 4"	4OLT	42.53



No. 1 Galvanized Code Roof Flanges

SIZE	STOCK NO	EACH
Slant		
2"	21SM	40.78
3"	31SM	45.08
4"	41SM	52.06
Flat		
2"	21FM	67.62
3"	31FM	72.98
4"	41FM	71.37
Tops Only		
Fits 2"	21T	27.18
Fits 3"	31T	29.54
Fits 4"	41T	34.26

fjmooremfg.com

Pipe Code
CI = Cast Iron
ST = Steel
XCI = Extra Heavy Cast Iron
PL = Plastic
CO = Copper



PROFLEX
Fernco Specialty Couplings
Shielded Transition Coupling

FOR SIZE AND PIPE TYPE		STOCK NO	EACH
1½" CI•PL•ST	to 1½" CI•PL•ST	FE3000150	14.47
2" CI•PL•ST	to 2" CI•PL•ST	FE300022	14.45
2" CI•PL•ST	to 1½" CI•PL•ST	FE3000215	19.25
3" CI	to 3" PL•ST•XCI	FE300033	22.06
4" CI	to 3" PL•ST•XCI	FE300043	32.21
4" CI	to 4" PL•ST•XCI	FE300044	24.11
5" CI	to 5" PL•ST•XCI	FE300055	51.84
6" CI	to 6" PL•ST•XCI	FE300066	69.36
8" CI	to 8" PL•ST•XCI	FE300088	94.39
3" CI	to 2" CI•PL•ST	FE3004320	22.82
4" CI	to 2" CI•PL•ST	FE3004420	27.78
4" CI	to 3" CI	FE3004430	27.08
5" CI	to 4" CI	FE3004540	58.64
1½" CI•PL•ST	to 1¼" CO•1" PL	FE30011125	23.36
1½" CI•PL•ST	to 1½" CO•1¼" PL	FE3001150	20.22
2" CI•PL•ST	to 1½" CO•1¼" PL	FE3001215	20.22
2" CI•PL•ST	to 2" CO	FE300122	26.60
3" CI	to 3" CO	FE300133	28.54
1½" CO	to 1½" CO•1¼" PL	FE3003150	21.84
2" CO	to 2" CO	FE300322	23.36
3" PL•ST•XCI	to 3" PL•ST•XCI	FE300533	23.17
4" PL•ST•XCI	to 4" PL•ST•XCI	FE300544	27.11
6" PL•ST•XCI	to 6" PL•ST•XCI	FE300566	69.36
3" PL•ST•XCI	to 2" CI•PL•ST	FE300832	29.78
3" PL•ST•XCI	to 3" CO	FE300733	25.49
4" PL•ST•XCI	to 4" CO	FE300744	33.35
Bath Waste Tubing	to 1½" CI•PL•ST	FE3002150	23.65
Bath Waste Tubing	to 2" CI•PL•ST	FE3002215	26.60
4" Thinwall Plastic	to 4" Sch. 40 Plastic	FE300944	24.71



Fernco Strong Back
RC 1056 Series Couplings

FOR SIZE AND PIPE TYPE		STOCK NO	EACH
2½" PL	to 2"CI•PL	FE105625022RC	41.67
4" PL	to 3" CI•PL	FE105643RC	83.70
4" CI•PL	to 4" CI•PL	FE105644RC	58.76
5" CI	to 3" CI	FE105653RC	84.67
6" CI•PL	to 4" CI•PL	FE105664RC	144.72
6" CI•PL	to 5" CI•PL	FE105665RC	162.72
10" CI•PL	to 10" CI•PL	FE10561010RC	227.48

Fernco Band Seal End Cap
For Cast Iron or PVC



SIZE	STOCK NO	EACH
1½"	FEQC101	3.56
2"	FEQC102	4.19
3"	FEQC103	5.29
4"	FEQC104	6.80
5"	FEQC105	13.85
6"	FEQC106	14.20
8"	FEQC108	28.70



Fernco Couplings

SIZE	DESCRIPTION	STOCK NO	EACH
1½ x 1¼"	plain ends, cast iron or plastic	FE1056150125	6.78
1½ x 1½"	plain ends, cast iron or plastic	FE1056150	6.56
2 x 1½"	plain ends, cast iron or plastic	FE1056215	7.45
2x2"	plain ends, cast iron or plastic	FE105622	7.05
3x2"	plain ends, cast iron or plastic	FE105632	8.80
3x3"	plain ends, cast iron or plastic	FE105633	9.50
4x3"	plain ends, cast iron or plastic	FE105643	12.83
6"	ductile iron to cast iron or plastic	FE105166	27.49
4x2"	plain ends, cast iron or plastic	FE105642	16.61
4x4"	plain ends, cast iron or plastic	FE105644	11.91
6x4"	plain ends, cast iron or plastic	FE105664	29.89
6x6"	plain ends, cast iron or plastic	FE105666	25.46
8x6"	plain ends, cast iron or plastic	FE105686	47.30
8x8"	plain ends, cast iron or plastic	FE105688	39.18
10x8"	plain ends, cast iron or plastic	FE1056108	64.40
10x10"	plain ends, cast iron or plastic	FE10561010	58.81
12x10"	plain ends, cast iron or plastic	FE10561210	76.01
12x12"	cast iron or plastic, cast iron or plastic	FE10561212	68.61
15x12"	cast iron or plastic, cast iron or plastic	FE10561512	159.98
15x15"	cast iron or plastic, cast iron or plastic	FE10561515	122.61
5" OD x 4.38" OD	plain ends, clay, C.I. or plastic	FE100244	11.91
7.38 OD x 4.38" OD	plain ends, clay, C.I. or plastic	FE100264	29.89
7.38 OD x 6.38" OD	plain ends, clay, C.I. or plastic	FE100266	25.46
9.65 OD x 8.50" OD	plain ends, clay, C.I. or plastic	FE100288	39.18
11.80 OD x 10.60" OD	plain ends, clay, C.I. or plastic	FE10021010	58.81

Flex-Seal Coupling
Socket x Sch. 40 Plastic



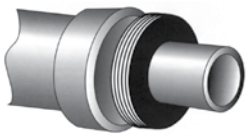
SIZE	STOCK NO	EACH
3x3"	FE105933	37.75
4x4"	FE105944	47.25

Stainless Steel SRC Shields
Max pressure 4.3 PSI, Max Temp. 140°F



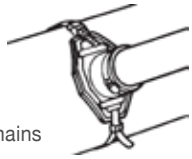
FITS COUPLING NO	STOCK NO	EACH
FE1056150	FESRC9	15.63
FE105622	FESRC11	19.12
FE105633	FESRC15	26.03
FE105644	FESRC19	32.97
FE105666	FESRC25	43.42

Fernco Donuts
Sewer pipe compression joint sealers.
Seal against infiltration and exfiltration.
Material to material or material transitions.



DESCRIPTION	STOCK NO	EACH
2" Service soil hub to 1½" PVC/Steel Sch. 40	FE22U139	18.28
4" Service soil hub to 4" Soil	FE44U401	23.90
4" Service soil hub to 3" PVC/Steel Sch. 40	FE44U305	26.78
4" Service soil hub to 4" PVC/Steel Sch. 40	FE44U405	21.65
2" CI XH Hub to 2" PVC/Steel Sch. 40	FE22UX205	16.17
4" CI XH Hub to 3" PVC/Steel Sch. 40	FE44UX305	26.78
4" CI XH Hub to 4" PVC/Steel Sch. 40	FE44UX405	21.65

(02)
Fernco EZ Tap Sewer Saddle



- Single band with single drawpoint for quick installation
- Resistant to caustic chemicals, bacteria and fungi

EZ Tap 4
Used to connect 4" lateral pipes to 6" and larger sewer mains

STOCK NO	EACH
4EZTAP	197.67

EZ Tap 6
Connects 6" lateral pipes to 8" and larger sewer mains

STOCK NO	EACH
6EZTAP	269.49



JCM #110 Repair Clamp

SIZE	STOCK NO	EACH
½ x 3	12X3110C	15.01
¾ x 3	34X3110C	15.21
1 x 3	1X3110C	16.82
1¼ x 3	114X3110C	17.71
1½ x 3	112X3110C	18.32
2 x 3	2X3110C	20.32
½ x 6	12X6110C	27.12
¾ x 6	34X6110C	28.73
1¼ x 6	114X6110C	31.33
1½ x 6	112X6110C	34.03
2 x 6	2X6110C	36.23
2½ x 6	212X6110C	49.55
3 x 6	3X6110C	53.46
4 x 6	4X6110C	56.75
6 x 6	6X6110C	69.47



JCM #242 Repair Clamp

SIZE	STOCK NO	EACH
4 x 10	4X10242C	357.87
6 x 10	6X10242C	486.96

OUTSIDE PIPE DIAMETER										
Outside Pipe Diameter in Inches										
	¾"	1"	1¼"	1½"	2"	3"	4"	5"	6"	8"
Steel										
Iron Pipe Size	1.05	1.315	1.660	1.900	2.375	3.500	4.500	5.56	6.62	8.62
ABS/PVC Plastic										
Schedule 40	1.05	1.315	1.660	1.900	2.375	3.500	4.500	5.56	6.62	8.62
Cast Iron	---	---	---	1.900	2.350	3.350	4.380	5.30	6.30	8.38
Copper	.875	1.125	1.375	1.625	2.125	3.125	4.125	5.125	6.125	8.125
Thinwall Plastic										
Sewer & Drain	---	---	---	---	---	3.250	4.215	5.30	6.27	8.16

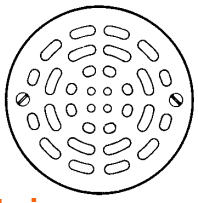


JCM #101 Universal Repair Clamp

SIZE	LENGTH	O.D. RANGE	STOCK NO	EACH
2½	7½	2.70-3.13	212X712101C	136.13
3	12	3.46-3.70	3101C	259.66
3-4	12	3.73-4.13	3X12101C	259.66
4	7½	4.74-5.14	4X712101C	177.88
4	12	4.74-5.14	4X12101C	280.88
6	7½	6.84-7.25	6X712101C	210.82
6	12	6.84-7.25	6X12101C	337.43
8	18	8.99-9.39	8X18101C	578.29

Drains and Accessories

tylerpipe.com



(02)

#50 Replacement Strainer

SIZE	STOCK NO	EACH
5"	5FDCOV	13.39
5¾"	534FDCOV	15.70
6"	6FDCOV	17.32
6⅜"	638FDCOV	18.09
6½"	612FDCOV	18.09
6¾"	634FDCOV	18.67
7"	7FDCOV	23.44
7½"	712FDCOV	27.08
7⅞"	778FDCOV	29.19
8"	8FDCOV	29.19
8½"	812FDCOV	32.99
8⅝"	858FDCOV	33.49
9"	9FDCOV	33.49
9½"	912FDCOV	36.73
10"	10FDCOV	44.29

jumbomfg.com



(18)

Downspout Nozzle

Glue-On-Nozzle

SIZE	STOCK NO	EACH
3"	GON3	447.31
4"	GON4	546.94
6"	GON6	939.34
8"	GON8	1365.20



(11)

EZ Drains

PVC body with nickel bronze strainers

Slab on grade adjustable drain

OUTLET SIZE	COVER SIZE	COVER TYPE	STOCK NO	EACH
2x3"	5"	Round	EZPV2	67.50
2x3"	6"	Round	EZPV2R6	90.38
2x3"	6"	Square	EZPV2S6	121.85
4"	5"	Round	EZPV4	67.50
4"	6"	Round	EZPV4R6	90.38
4"	6"	Square	EZPV4S6	121.85

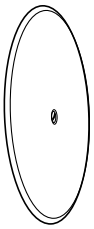
Floor drain with stainless steel deck plate

OUTLET SIZE	COVER SIZE	COVER TYPE	STOCK NO	EACH
2x3"	5"	Round	EZ2PV2	96.11
2x3"	5"	Square	EZ2PV2ST	115.56
4"	5"	Round	EZ2PV4	96.11
4"	5"	Square	EZ2PV4ST	115.56

Adjustable floor cleanout drains

OUTLET SIZE	COVER SIZE	COVER TYPE	STOCK NO	EACH
3x4"	5"	Round	EZCPV3	108.69
3x4"	6"	Square	EZCPV3S6	137.30
4"	5"	Round	EZCPV4	108.69
4"	6"	Square	EZCPV4S6	137.30

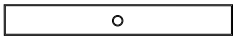
zurn.com



(02)

Stainless Steel Wall Plates

SIZE	STOCK NO	EACH
3"	SC8703	6.58
4"	SC8704	7.68
5"	SC8705	10.96
6"	SC8706	12.06
8"	SC8708	14.26
10"	SC870810	25.22
12"	SC870812	36.18
Screws		
4½"	CPS412	2.85
6"	CPS6	3.59



(02)

Tapped Wall Bar

SIZE	STOCK NO	EACH
¼" x 9"	SC870B	4.35



(02)

White Plastic Wall Plate

SIZE	STOCK NO	EACH
4½"	SC8714	3.78
6½"	SC8716	6.87
8½"	SC8718	10.81

siouxchief.com



(18)

Dura G-O-N

High impact polymer Glue on Nozzle

SIZE	STOCK NO	EACH
3"	GON3D	124.66
4"	GON4D	146.77
6"	GON6D	160.31



(18)

Floor Drain Trap Seal

SureSeal®

SIZE	STOCK NO	EACH
2"	RE97041	100.45
3"	RE97042	112.08
4"	RE97044	131.41

rectorseal.com

Series 100 "Topper" Universal Adjustable Access Cover



Medium duty with polished metal top
Three set screws offer 2" of vertical adjustment

OUTSIDE DIA.	INSIDE DIA.-TOP	INSIDE DIA.-BOTTOM	HEIGHT	STOCK NO	EACH
7 1/8"	5 9/16"	6 5/8"	2 3/4"	*SC8503T	139.09
9 1/8"	7 1/4"	8 5/8"	2 3/4"	**SC8504T	208.24

* Fits 3-4" C.I. or plastic
** Fits 5-6" C.I. or plastic

No-Hub Floor Drain Polished Metal Ring and Strainer



PIPE SIZE	TOP DIA.	HEIGHT	STOCK NO	EACH
4"	6 1/2"	2 7/8"	SC84424NR	108.41

Adjustable Floor Drains



PIPE SIZE	DESC.	TOP DIA.	HEIGHT	STOCK NO	EACH
2"	PVC	4 3/8"	3 5/8 - 5"	SC8422PNR	83.34
2"	ABS	4 3/8"	3 5/8 - 5"	SC8422ANR	83.34
3"	PVC	5 1/2"	4 1/4 - 5 1/2"	SC8423PNR	83.34
4"	PVC	6 1/2"	4 1/2 - 5 3/4"	SC8424PNR	99.78

Toupee-Plus™ Adjustable Cleanout



OUTSIDE DIA.	INSIDE DIA.-TOP	INSIDE DIA.-BOTTOM	HEIGHT	STOCK NO	EACH
Medium Duty with PVC Connection					
4"	4"	5 7/8"	3 3/4 — 4 3/4"	SC85144T	132.68
Medium Duty with No Hub Connection					
4"	3 1/2"	6"	3 1/4 — 4 3/4"	SC85124T	204.24

The Adjustable Gripper Stainless Steel Replacement Strainer for Floor Drains



Will connect to openings from 3 1/4" to 6 3/4".
7 1/4" diameter, 14 gauge.

STOCK NO	EACH
SC8477	48.75

Gripper Stainless Steel Pipe Strainer



- Heavy Gauge Stainless Steel
- Gripping "fingers" fit snugly inside Sch. 40 pipe

847 Series

SIZE	STOCK NO	EACH
2"	SC8472	9.18
3"	SC8473	9.67
4"	SC8474	10.15

See page 107 for Shower Drains

No-Hub Flashing Drain



Cast nickle ring and strainer, PVC top housing and collar, Cast Iron no-hub adapter. Tapped and plugged trap primer connection. Equivalent to:Zurn 415, Smith 2010, Wade 1100, and Josam 30000 series floor drains.

OUTSIDE DIA. TOP	DIAMETER BOTTOM	HEIGHT	STOCK NO	EACH
6 1/2"	2"	5"-6 7/8"	SC86322NR	206.15
6 1/2"	4"	5"-6 7/8"	SC86324NR	206.15

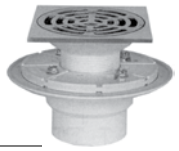
Adjustable On-Grade Cleanout



Cast nickle ring and cover, Grey PVC top housing, ABS or White PVC adapter. Pre-doped polypro plug included - ready for test. Highly polished cast metal cover provides a fantastic look. Brass female thread inserts for cover screws. Standard threads on cleanout \throat for easy adaptably to any FIP adapter.

OUTSIDE DIA. TOP	DIAMETER BOTTOM	HEIGHT	PLUG	STOCK NO	EACH
PVC					
6 1/2"	3"	4 1/4"-5 1/2"	2 1/2"	SC8523PNR	133.77
6 1/2"	4"	4 1/2"-5 3/4"	3 1/2"	SC8524PNR	133.77

821-200 Shower Pan Drain



Square cast metal ring & round strainer.
Square top is perfect for tile floors. ABS or PVC adapter. PVC top housing & collar.

Polished Cast Nickel

DESCR.	OUTSIDE DIA. TOP	DIAMETER BOTTOM	HEIGHT	STOCK NO	EACH
ABS	4 9/16"	2"	3 15/16"-5 15/16"	SC821200ANQ	75.90
PVC	4 9/16"	2"	3 15/16"-5 15/16"	SC821200PNQ	75.90

Finish Line
Adjustable Drainage System
(Adjustable AFTER the pour)



Adjustable Floor Drain
Schedule 40 PVC, round nickel, plastic body.
No. 832 On-Grade Adjustable Floor Drain • Complete Assembly

OUTSIDE DIA. TOP	DIAMETER BOTTOM	PRE-POUR HEIGHT	STOCK NO	EACH
5½"	2x3"	4.63"-5.5"	SC83225PNR	82.24
6½"	2"	5.5"-6.75"	SC8322PNR	107.46
6½"	3x4"	5.25"-6.5"	SC83236PNR	107.46
6½"	4"	5.5"-6.75"	SC8324PNR	107.46



Adjustable Flashing Drain
Schedule 40 PVC, round nickel, plastic body.
No. 833 Above-Grade Ajustable Floor Drain • Complete Assembly

OUTSIDE DIA. TOP	DIAMETER BOTTOM	PRE-POUR HEIGHT	STOCK NO	EACH
6½"	2"	4.8"-6.05"	SC8332PNR	132.68
6½"	3"	4.8"-6.05"	SC8333PNR	132.68
6½"	4"	4.8"-6.05"	SC8334PNR	132.68



Adjustable Flashing Drain
Ductile Iron, round nickel-bronze, ½" FIP thread, plugged.
No. 832 On-Grade Adjustable Floor Drain • Complete Assembly

OUTSIDE DIA. TOP	DIAMETER BOTTOM	PRE-POUR HEIGHT	STOCK NO	EACH
5½"	2"	4⅝"-5⅝"	SC83225DNR	200.72

Adjustable Floor Drain • Rough-In Drain Body
Schedule 40 Hub Connection, PVC body.

SCH. 40 HUB	STOCK NO	EACH
No. 832/833 • PVC Body ONLY • On-Grade		
2"	SC8322PF	28.51
3"	SC83236PF	28.51
4	SC8324PF	28.51

Schedule 40 Hub Connection, PVC body.

No. 832/833 • ABS Body ONLY • On-Grade		
3"	SC83236AF	28.51

Adjustable Flashing Drain • Rough-In Drain Body
No-Hub, Push-Joint, or Schedule 40 Hub Connection, PVC body.
No. 832/833 • Body ONLY • Above Grade

SCH. 40 HUB	STOCK NO	EACH
2"	SC8332PF	53.73
3"	SC8333PF	53.73
4	SC8334PF	53.73

Adjustable Drain • Finish Fixture
No. 832/833 • Nickel Finish Fixture ONLY

STRAINER DIA.	STOCK NO	EACH
6½" Round	SC8324HNR	78.95
7⅛" Square	SC8324HNQ	116.24



LittleMAX
No. 8643-P • Standard On-Grade Drain
Strainer ring can be used as a clamping collar for above-grade applications

STRAINER DIA.	STOCK NO	EACH
7¼" Round	SC8643P	80.78

Sand Bucket
For Use with LittleMAX Drain

STOCK NO	EACH
SC864S	14.97

See page 107 for Shower Drains



Adjustable Cleanout
Schedule 40 PVC, round nickel, plastic body.
No. 834 Adjustable Cleanout • Complete Assembly

OUTSIDE DIA. TOP	DIAMETER BOTTOM	PRE-POUR HEIGHT	STOCK NO	EACH
6½"	3"	5¼"-6½"	SC8343PNR	131.58
6½"	4"	5½"-6¾"	SC8344PNR	131.58

Cast Iron, round nickel-bronze ring & strainer.
No. 822 Adjustable Cleanout with Deck Flange • Complete

OUTSIDE DIA. TOP	DIAMETER NO-HUB	ADJ. FINISH HEIGHT	STOCK NO	EACH
5½"	3"	0"-¾"	SC822C3DNR	241.18



Adjustable Clean-Out • Finish Fixture
No. 834 • Nickel Finish Fixture ONLY

STRAINER DIA.	STOCK NO	EACH
6½" Round	SC8344HNR	98.69
7⅛" Square	SC8344HNQ	128.29

Adjustable Clean-Out

DESCRIPTION	STOCK NO	EACH
No. 834 • PVC Body ONLY • Sch. 40 Hub Connection		
3"	SC8343PF	32.90
4"	SC8344PF	32.90
No. 834 • ABS Body ONLY • Sch. 40 Hub Connection		
4"	SC8344AF	32.90



Halo Adjustable Floor Drain
Schedule 40 PVC, round nickel, plastic body with deck flange.

DESCRIPTION	ADJ. HEIGHT	STOCK NO	EACH
No. 822 On-Grade Adjustable Floor Drain • Complete Assembly			
2" x 3"	0"-¾"	SC8222PNR	95.40
3" x 4"	0"-¾"	SC8223PNR	95.40

Cast Iron, round nickel-bronze ring & strainer.

No. 822 Adjustable Floor Drain with Deck Flange • Complete			
2"	0"-¾"	SC8222DNR	204.89



Halo Finish Line Adjustable Floor Drain
Finish Fixture

DESCRIPTION	STOCK NO	EACH
Round	SC8323HNR	58.12

(18)



Perfect Prime
Brass Plated Trap Primer Valve

DESCRIPTION	STOCK NO	EACH
½" FIP x ½" MIP	SC69501	95.43

NOTE: Ductile Iron Style Finish Line Available upon request.

Josam Drains and Accessories (11)

mea-josam.com

Series 21500 Roof Drains



SIZE	STOCK NO	EACH
No-Hub		
2"	JO21502Z22	307.67
3"	JO21503Z22	307.67
4"	JO21504Z22	307.67
6"	JO21506Z22	409.52

Overflow Collar for Series 21500 and 21510

Clamp Ring



SIZE	STOCK NO	EACH
2"	JO029276	76.97

21500-1 Underdeck Clamp Only

For Series 21500 and 21510

STOCK NO	EACH
JO215001	81.43

Drainage Control Backwater Valve

Manual gate valve, C.I. body, brass working parts, 4" spigot outlet.



STOCK NO	EACH
JO67364	1686.12

(18)

Tru-Gap

Air Gap Fixture

2" PVC DWV Solvent Weld

- 4 5/8" Overall Width
- 2 31/32" Body Height
- 1" Hook Depth



STOCK NO	EACH
92534	36.56

Series 25010 Downspout Nozzel

Cast bronze Downspout Nozzle, loose wall flange connection. For diverting rainwater.



SIZE	STOCK NO	EACH
No-Hub Spigot Outlet		
3"	JO25013Z	210.29
4"	JO25014Z	210.29
6"	JO25016Z	499.03
8"	JO25018Z	759.71

Residential Carriers

For Siphon Jet Closets Only



PIPE SIZE	DESCRIPTION	STOCK NO	EACH
3"	Single, On-Stack Adapter Type for PVC PlasticPipe	JO16123	344.24

Commercial Carriers

Floor-mount, Concealed Arms



DESCRIPTION	STOCK NO	EACH
For 20x18 Lavatories	JO17100202	331.06

Floor-mounted, Urinal Carrier

Includes hanger plate, adjustable supporting rods, structural uprights and welded feet.



DESCRIPTION	STOCK NO	EACH
Adjustable Height	JO17550UR	250.68

Neoprene Carrier Gasket with Lubricant

STOCK NO	EACH
JONEOGA	63.86

Horizontal No-Hub Fittings

For Siphon Jet or Blowout Closets

Less Trim Pack (See Below)



10674

PIPE SIZE	DESCRIPTION	STOCK NO	EACH
4"	Single Left-Hand, Standard Barrel	JO10674	245.37
4"	Single Right-Hand, Standard Barrel	JO10684	245.37
4"	Back-to-Back, Standard Barrel	JO10694	419.51

Trim Packs

For Siphot Jet or Blowout Closet.

To Complete Horizontal No-Hub Fittings:
One for each single carrier.
Two for each back to back carrier.



12000

PIPE SIZE	STOCK NO	EACH
4"	JO12000	257.49
12" ABS Extension for J012000		
12"	JOC130	29.55

Positioning Frame

For Siphon Jet Carriers (ABS)

STOCK NO	EACH
JO565949	27.22

Trim Kit for Josam Carriers

DESCRIPTION	STOCK NO	EACH
Hardware less gasket	JOCAHA	178.15
Felt gasket only	JOCAGA	125.75

Josam



MEA-JOSAM Drainage Channel Pro-Plus 100C Series

Interconnecting channel sections made of SMC/GRP sheet molding compound/glass reinforced polyester. Channel support brackets capable of accepting re-bar, end outlets, bottom outlets and corner or T-sections.

Neutral Section • With 140122 Grate

LENGTH (1 METER TRENCH)	STOCK NO	EACH
(2) ½ meter grates	PRO140002	264.84

End Cap

STOCK NO	EACH
PRO100EC	32.17
with 4" Outlet	
PRO100OE4	32.17

Bottom Outlet

with 4" Outlet

STOCK NO	EACH
PRO100OB4	32.17

Brackets

STOCK NO	EACH
Channel Support	
PRO100BS	22.52
End Outlet Support	
PRO100BSW	22.52
Center Outlet Support	
PRO100BSC	22.52



Strainer Extension

Cast iron threaded strainer extension.

SIZE	MIN - MAX	STOCK NO	EACH
2¼"	1¼" - 2"	2WT	40.54



Series F Round Funnel

SIZE	STOCK NO	EACH
Nikaloy		
4"	JOF4	142.25



Series 3000 Floor Drain Body Only

SIZE	STOCK NO	EACH
No-Hub		
2"	JO30002Z	63.15
3"	JO30003Z	63.15
4"	JO30004Z	63.15



Series "A" Round Super-flo Strainer

SIZE	STOCK NO	EACH
Nikaloy		
5"	JO5A	96.75
6"	JO6A	133.96
7"	JO7A	163.73
8"	JO8A	221.98
Nikaloy with Flap		
6"	JO6AJ	260.89



Series 5500 Floor Clean Out

SIZE	STOCK NO	EACH
Nickel Bronze Top / No-Hub Out		
2"	JO550021Z	210.71
3"	JO550031Z	221.98
4"	JO550041Z	296.82
6"	JO550061Z	483.08

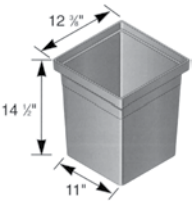


Series 32100 Floor Drain Super-flo 9" Top

SIZE	STOCK NO	EACH
No-Hub		
3"	JO32103Z	168.83
4"	JO32104Z	168.83

National Diversified Sales Products

ndspro.com

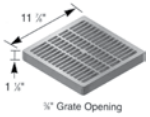


(02)

Square Sump Box Catch Basin

No. 1225

SIZE	STOCK NO	EACH
12 x 12"	NDS1225	132.96



(02)

Square Black Grate

No. 1211

SIZE	STOCK NO	EACH
12 x 12"	NDS1211	99.95

Sioux Chief

siouxchief.com



(18)

Standard Series PVC Roof Drains

SIZE	STOCK NO	EACH
2"	SC867P2	73.48
3"	SC867P3	73.48
4"	SC867P4	73.48

Under Deck Clamp

Use with 867 Roof Drains

STOCK NO	EACH
SC867C	45.83

Drains & Accessories

Watts Round Nikaloy Funnel

SIZE	STOCK NO	EACH
4" NB	4F41	248.14

Watts Nickel Bronze Strainer

Strainer ONLY • LESS Membrane Clamp

SIZE	STOCK NO	EACH
5"	A5	167.62
6"	A6	229.19



Watts Floor Drain Body

Body ONLY • No-Hub Outlet • with Clamp

SIZE	STOCK NO	EACH
2"	2FD102	111.31
3"	3FD103	111.31
4"	4FD104	111.31



Watts On-Grade Floor Drain Body

Body ONLY • No-Hub Outlet • LESS Clamp

SIZE	STOCK NO	EACH
2"	2B4342	122.55
3"	3B4343	199.14
4"	4B4344	76.21

Underdeck Clamp

With Hardware

STOCK NO	EACH
B15DC	139.66



Watts Floor Clean Out

Brass Plug • No-Hub Outlet

SIZE	STOCK NO	EACH
2"	2CO202R34B	362.08
3"	3CO203R34B	382.54
4"	4CO204R34B	510.18



Cast Iron Roof Drain

No-Hub Outlet • With DOMES

SIZE	STOCK NO	EACH
3"	3RD303K	531.20
4"	4RD304K	531.20
5"	5RD305K	705.77
6"	6RD306K	705.77

Exterior Overflow

For R-300 Roof Drains Suffix "R"

STOCK NO	EACH
RD300R	240.26

Commercial Carriers



Vertical Lavatory Carrier Track Style

DESCRIPTION	STOCK NO	EACH
For 20x18 Lavatories	TCA411	715.91



Floor Mounted Urinal Carrier

Epoxy coated floor mounted urinal carrier with heavy gauge steel offset uprights with welded feet, universal steel hangar support plate with integral mounting brackets and plated hardware.

DESCRIPTION	STOCK NO	EACH
42" with Slide Adjustment	CA311	435.85



Horizontal No-Hub Fittings

For Siphon Jet or Blowout Closets

With Trim Pack

PIPE SIZE	DESCRIPTION	STOCK NO	EACH
4"	Single Left-Hand, Standard Barrel	ISCA101L	934.39
4"	Single Right-Hand, Standard Barrel	ISCA101R	934.39
4"	Back-to-Back, Standard Barrel	ISCA101D	1746.02



Vertical No-Hub Fittings On-Stack, 4" Branch

PIPE SIZE	DESCRIPTION	STOCK NO	EACH
4"	Single Left-Hand, 2" Vent, Standard Barrel	ISCA121	1060.90
4"	Back-to-Back, 2" Vent Same Side, Standard Barrel	ISCA121D	1872.53

(11)

Neo-Seal

Closet Gasket Kit

STOCK NO	EACH
Z1210574	57.21

(11a)



CA-1

Neoprene Closet Gasket

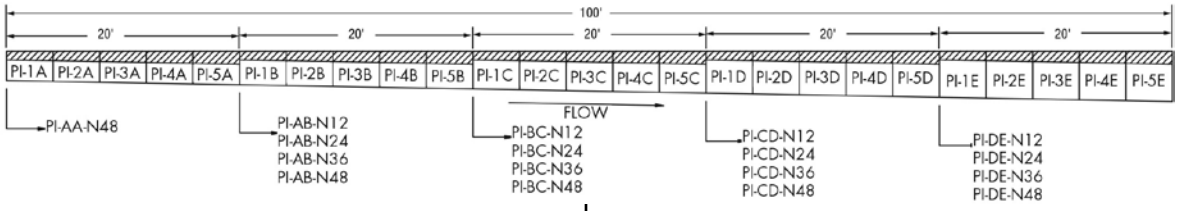
For back outlet toilets

STOCK NO	EACH
CA1	42.98

WATTS®

Pre-Sloped Poly Trench Drain System (11a)

watts.com



Dead Level Polypropylene - Channel and Frame Only

A Series 4' - 20'

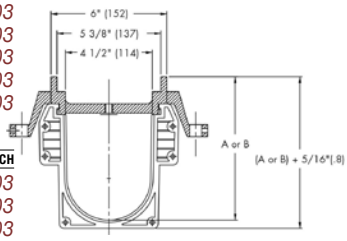
LENGTH	SLOPE	STOCK NO	EACH
48"	$5^{5}/_{8}$ - $5^{15}/_{16}$	WAPP1A	379.03
48"	$5^{15}/_{16}$ - $6^{1}/_{4}$	WAPP2A	379.03
48"	$6^{1}/_{4}$ - $6^{9}/_{16}$	WAPP3A	379.03
48"	$6^{9}/_{16}$ - $6^{7}/_{8}$	WAPP4A	379.03
48"	$6^{7}/_{8}$ - $7^{3}/_{16}$	WAPP5A	379.03
48"	$7^{3}/_{16}$	WAPPAB	379.03

B Series 20' - 40'

LENGTH	SLOPE	STOCK NO	EACH
48"	$7^{3}/_{16}$ - $7^{1}/_{2}$	WAPP1B	379.03
48"	$7^{1}/_{2}$ - $7^{13}/_{16}$	WAPP2B	379.03
48"	$7^{13}/_{16}$ - $8^{1}/_{8}$	WAPP3B	379.03
48"	$8^{1}/_{8}$ - $8^{7}/_{16}$	WAPP4B	379.03
48"	$8^{7}/_{16}$ - $8^{3}/_{4}$	WAPP5B	379.03
48"	$8^{3}/_{4}$	WAPPBC	379.03

C Series 40' - 60'

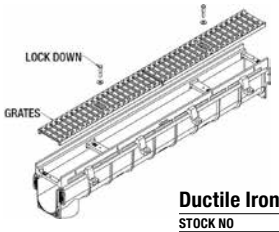
LENGTH	SLOPE	STOCK NO	EACH
48"	$8^{3}/_{4}$ - $9^{1}/_{16}$	WAPP1C	379.03
48"	$9^{1}/_{16}$ - $9^{3}/_{8}$	WAPP2C	379.03
48"	$9^{3}/_{8}$ - $9^{11}/_{16}$	WAPP3C	379.03
48"	$9^{11}/_{16}$ - 10	WAPP4C	379.03
48"	10 - $11^{5}/_{16}$	WAPP5C	379.03



Neutral Section

LENGTH	STOCK NO	EACH
24"	WAPPABN24	190.12

Accessories - Must Order To Complete System



Ductile Iron Grate 6" x 24"

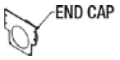
STOCK NO	EACH
WADIGR	244.50

Channel Screw

STOCK NO	EACH
WADLH1	2.69

Frame Lock / Bolt / Washer

STOCK NO	EACH
WAFL	25.57

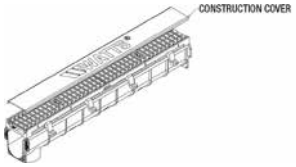


Male End Cap

STOCK NO	EACH
WAECM	48.07

Female End Cap

STOCK NO	EACH
WAECF	48.07



Construction Cover

STOCK NO	EACH
WAFGCC	37.02

Ductile Iron Grate Lockdown Bolt

STOCK NO	EACH
WADLH4	6.52

Frame Bolt

STOCK NO	EACH
WADLH2	1.69



24" x 24" Catch Basin with Grate

STOCK NO	EACH
WACB2424	2127.64

24" x 24" Trash Basket

STOCK NO	EACH
WATB2424	427.25



6" x 24" Catch Basin (No Grate)

STOCK NO	EACH
WACB624	774.94

6" x 24" Trash Basket

STOCK NO	EACH
WATB624	111.04

Dead Level Trench Components 4' - 16'

P4-E0-DI — **4 foot trench consisting of the following:**

STOCK NO	DESCRIPTION	QTY	WATTS NO
WAECM	male endcap	1	8187014
WAECF	female endcap	1	8187015
WAFGCC	construction cover	1	8187071
WAPP1A	4 foot A channel, F1 frame	1	8187241
WADIGR	6x24 ductile iron grate	2	8187307
WADLH1	channel screw	8	8187359
WADLH2	frame bolt	4	8187360
WADLH4	grate lockdown bolt, DI	2	8187362

P6-E0-DI — **6 foot trench consisting of the following:**

STOCK NO	DESCRIPTION	QTY	WATTS NO
WAECM	male endcap	1	8187014
WAECF	female endcap	1	8187015
WAFGCC	construction cover	2	8187071
WAFL	frame lock/bolt/washer	1	8187099
WAPP5A	4 foot A channel, F5 frame	1	8187245
WAPPABN24	24" neutral channel with poly frame	1	8187247
WADIGR	6x24 ductile iron grate	3	8187307
WADLH1	channel screw	16	8187359
WADLH2	frame bolt	8	8187360
WADLH4	grate lockdown bolt, DI	3	8187362

P8-E0-DI — **8 foot trench consisting of the following:**

STOCK NO	DESCRIPTION	QTY	WATTS NO
WAECM	male endcap	1	8187014
WAECF	female endcap	1	8187015
WAFGCC	construction cover	2	8187071
WAFL	frame lock/bolt/washer	1	8187099
WAPP1A	4 foot A channel, F1 frame	1	8187241
WAPP2A	4 foot A channel, F2 frame	1	8187242
WADIGR	6x24 ductile iron grate	4	8187307
WADLH1	channel screw	12	8187359
WADLH2	frame bolt	4	8187360
WADLH4	grate lockdown bolt, DI	4	8187362

P12-E0-DI — **12 foot trench consisting of the following:**

STOCK NO	DESCRIPTION	QTY	WATTS NO
WAECM	male endcap	1	8187014
WAECF	female endcap	1	8187015
WAFGCC	construction cover	3	8187071
WAFL	frame lock/bolt/washer	2	8187099
WAPP1A	4 foot A channel, F1 frame	1	8187241
WAPP2A	4 foot A channel, F2 frame	1	8187242
WAPP3A	4 foot A channel, F3 frame	1	8187243
WADIGR	6x24 ductile iron grate	6	8187307
WADLH1	channel screw	16	8187359
WADLH2	frame bolt	12	8187360
WADLH4	grate lockdown bolt, DI	6	8187362

P16-E0-DI — **16 foot trench consisting of the following:**

STOCK NO	DESCRIPTION	QTY	WATTS NO
WAECM	male endcap	1	8187014
WAECF	female endcap	1	8187015
WAFGCC	construction cover	4	8187071
WAFL	frame lock/bolt/washer	3	8187099
WAPP1A	4 foot A channel, F1 frame	1	8187241
WAPP2A	4 foot A channel, F2 frame	1	8187242
WAPP3A	4 foot A channel, F3 frame	1	8187243
WAPP4A	4 foot A channel, F4 frame	1	8187244
WADIGR	6x24 ductile iron grate	8	8187307
WADLH1	channel screw	20	8187359
WADLH2	frame bolt	16	8187360
WADLH4	grate lockdown bolt, DI	8	8187362

Dead Level Trench Components 20' - 50'

P20-EO-DI **20 foot trench consisting of the following:**

STOCK NO	DESCRIPTION	QTY	WATTS NO
WAECM	male endcap	1	8187014
WAECF	female endcap	1	8187015
WAFG-CC	construction cover	5	8187071
WAFL	frame lock/bolt/washer	4	8187099
WAPP1A	4 foot A channel, F1 frame	1	8187241
WAPP2A	4 foot A channel, F2 frame	1	8187242
WAPP3A	4 foot A channel, F3 frame	1	8187243
WAPP4A	4 foot A channel, F4 frame	1	8187244
WAPP5A	4 foot A channel, F5 frame	1	8187245
WADIGR	6x24 ductile iron grate	10	8187307
WADLH1	channel screw	24	8187359
WADLH2	frame bolt	20	8187360
WADLH4	grate lockdown bolt, DI	10	8187362

P24-EO-DI **24 foot trench consisting of the following:**

STOCK NO	DESCRIPTION	QTY	WATTS NO
WAECM	male endcap	1	8187014
WAECF	female endcap	1	8187015
WAFGCC	construction cover	6	8187071
WAFL	frame lock/bolt/washer	5	8187099
WAPP1A	4 foot A channel, F1 frame	1	8187241
WAPPA2A	4 foot A channel, F2 frame	1	8187242
WAPP3A	4 foot A channel, F3 frame	1	8187243
WAPP4A	4 foot A channel, F4 frame	1	8187244
WAPP5A	4 foot A channel, F5 frame	1	8187245
WAPP1B	4 foot B channel, F1 frame	1	8187250
WADIGR	6x24 ductile iron grate	12	8187307
WADLH1	channel screw	28	8187359
WADLH2	frame bolt	24	8187360
WADLH4	grate lockdown bolt, DI	12	8187362

P40-EO-DI **40 foot trench consisting of the following:**

STOCK NO	DESCRIPTION	QTY	WATTS NO
WAECM	male endcap	1	8187014
WAECF	female endcap	1	8187015
WAFGCC	construction cover	10	8187071
WAFL	frame lock/bolt/washer	9	8187099
WAPP1A	4 foot A channel, F1 frame	1	8187241
WAPP2A	4 foot A channel, F2 frame	1	8187242
WAPP3A	4 foot A channel, F3 frame	1	8187243
WAPP4A	4 foot A channel, F4 frame	1	8187244
WAPP5A	4 foot A channel, F5 frame	1	8187245
WAPP1B	4 foot B channel, F1 frame	1	8187250
WAPP2B	4 foot B channel, F2 frame	1	8187251
WAPP3B	4 foot B channel, F3 frame	1	8187252
WAPP4B	4 foot B channel, F4 frame	1	8187253
WAPP-5B	4 foot B channel, F5 frame	1	8187254
WADIGR	6x24 ductile iron grate	20	8187307
WADLH1	channel screw	44	8187359
WADLH2	frame bolt	40	8187360
WADLH4	grate lockdown bolt, DI	20	8187362

P50-EO-DI **50 foot trench consisting of the following:**

STOCK NO	DESCRIPTION	QTY	WATTS NO
WAECM	male endcap	1	8187014
WAECF	female endcap	1	8187015
WAFGCC	construction cover	13	8187071
WAFL	frame lock/bolt/washer	12	8187099
WAPP4A	4 foot A channel, F4 frame	1	8187244
WAPP5A	4 foot A channel, F5 frame	1	8187245
WAPPABN24	24" neutral channel with poly frame	1	8187247
WAPP1B	4 foot B channel, F1 frame	1	8187250
WAPP2B	4 foot B channel, F2 frame	1	8187251
WAPP3B	4 foot B channel, F3 frame	1	8187252
WAPP4B	4 foot B channel, F4 frame	1	8187253
WAPP5B	4 foot B channel, F5 frame	1	8187254
WAPP-C	4 foot C channel, F1 frame	1	8187259
WAPP2C	4 foot C channel, F2 frame	1	8187260
WAPP3C	4 foot C channel, F3 frame	1	8187261
WAPP4C	4 foot C channel, F4 frame	1	8187262
WAPP5C	4 foot C channel, F5 frame	1	8187263
WADIGR	6x24 ductile iron grate	25	8187307
WADL-H1	channel screw	60	8187359
WADLH2	frame bolt	52	8187360
WADLH4	grate lockdown bolt, DI	25	8187362

Dead Level Trench Components 60'

P60-EO-DI **60 foot trench consisting of the following:**

STOCK NO	DESCRIPTION	QTY	WATTS NO
WAECM	male endcap	1	8187014
WAECF	female endcap	1	8187015
WAFGCC	construction cover	15	8187071
WAFL	frame lock/bolt/washer	14	8187099
WAPP1A	4 foot A channel, F1 frame	1	8187241
WAPP2A	4 foot A channel, F2 frame	1	8187242
WAPP3A	4 foot A channel, F3 frame	1	8187243
WAPP4A	4 foot A channel, F4 frame	1	8187244
WAP-5A	4 foot A channel, F5 frame	1	8187245
WAPP1B	4 foot B channel, F1 frame	1	8187250
WAPP2B	4 foot B channel, F2 frame	1	8187251
WAPP3B	4 foot B channel, F3 frame	1	8187252
WAPP4B	4 foot B channel, F4 frame	1	8187253
WAPP5B	4 foot B channel, F5 frame	1	8187254
WAPP1C	4 foot C channel, F1 frame	1	8187259
WAPP2C	4 foot C channel, F2 frame	1	8187260
WAPP3C	4 foot C channel, F3 frame	1	8187261
WAPP4C	4 foot C channel, F4 frame	1	8187262
WAPP5C	4 foot C channel, F5 frame	1	8187263
WADIGR	6x24 ductile iron grate	30	8187307
WADLH1	channel screw	64	8187359
WADLH2	frame bolt	60	8187360
WADLH4	grate lockdown bolt, DI	30	8187362
*WACB2424	24X24 catch basin, ductile frame/gr		8187320
WATB2424	trash basket, 24x24		8187304
*WACB624	6x24 catch basin, poly frame		8187322
WATB624	trash basket, 6x24		8154020
WADIGR	6x24 ductile iron grate		8187307

*** catch basins connect to #5 frame and channels, or neutral channels**

Schier Grease Interceptors (11)







Great Basins

Indoor Grease Interceptors.
Can be installed on-floor, buried or the low-profile models can be under or next to sinks.

GPM	PIPE SIZE	STOCK NO	EACH
20 or 25	2" or 3"	SCHGB1	952.47
35 or 50	3" or 4"	SCHGB2	1498.16
50 or 75	3" or 4"	SCHGB3	2442.57

Pumpout Port Kit

Pumpout fitting, piping, 3" cam and groove fitting with cap.
Use with Great Basin models: SHGB1, SHGB2 and SHGB3.

STOCK NO	EACH
PP1	219.48



Great Basin Riser

Riser for grease interceptors with covers installed below grade.
Use with Great Basin models: SHGB1, SHGB2 and SHGB3.

STOCK NO	COVER SIZE	EACH
FCR1	21"	518.52
FCR2	24"	694.71





Great Basin

Grease Interceptors

STOCK NO	EACH
GB50	3120.16
GB75	4237.74
GB250	7580.43



Inflammable Waste Traps (02)

Standard Waste Trap

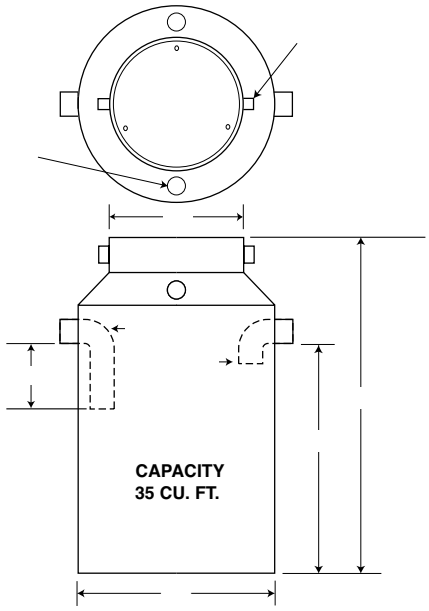
With gas Tight Cover. 4" Double Vent

CU. FT	STOCK NO	EACH
10	WATRGT10	2847.96
35	WATRGT	3625.56

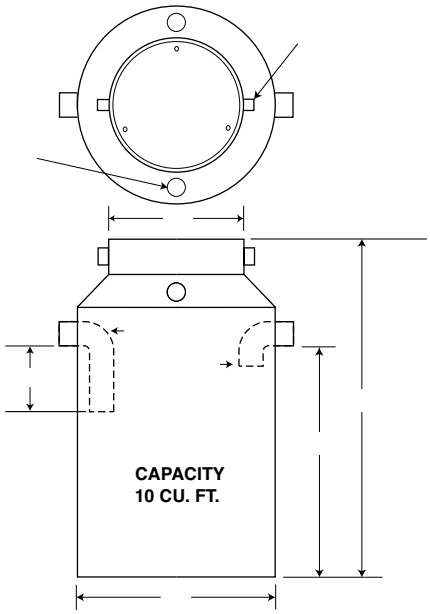
35 CU. FT. TANKS MEET MN PLUMBING CODE SECTION 1017.0 & 4715.1120
10 CU. FT. TANKS MEET MN PLUMBING CODE SECTION 1017.0

- 35 CU. Feet tanks are fabricated from 3/16" thick hot roll steel.
- 10 CU. Feet tanks are fabricated from 1/8" thick hot roll steel.
- Inlets and Outlets are 4" Sch. 40 IPS
- Vents are 3" Sch. 40 IPS
- Covers are made from 3/8" thick diamond plate and fastened with three 3/8" bolts and gasket.
- Tanks have two lifting eyes for easy installation.
- Tanks are sealed inside and outside with pure asphalt coating.

35 Cubic Feet Model



10 Cubic Feet Model



Rated Working Pressures For Bronze Valves

Pressure • Temperature Ratings • Non-Shock

PRESSURE P.S.I.[1]							
	CLASS 125[3] Threaded[5]	CLASS 150 Threaded	CLASS 150 Flanged[5]	CLASS 200 Threaded[4]	CLASS 300 Threaded	CLASS 300 Flanged[5]	2000 Hydr. Threaded
Temp °F[2]	ASTM B-62			ASTM B-61			
-20 to 150°	200	300	225	400	1000	500	2000
200°	185	270	210	375	920	475	---
250°	170	240	195	350	830	450	---
300°	155	210	180	325	740	425	---
350°	140	180	165	300	650	400	---
400°	---	---	---	275	560	375	---
406°	125	150	150	---	---	---	---
450°	120[6]	145[6]	---	250	480	350	---
500°	---	---	---	225	390	325	---
550°	---	---	---	200	300	300	---

1. Solder end valves are limited by temperatures which affect the strength of the solder joint. These ratings must be adjusted as below:
2. For lower temperatures, pressures for temperatures -20 to 150° shall apply. Uses for low temperature shall conform to the rules of applicable codes under which they are to be used.
3. Buna-N disc valves limited to 150° F. temperatures.
4. Teflon disc valves limited to 450° F. temperatures.
5. P-T ratings—ANSI B16.24-1971.
6. Some codes (i.e. ASME BPVC, Section 1) limit the rating temperatures of the indicated material to 406° F.

Adjusted Pressure Ratings

Joint made of Copper Tube and Solder End Valves
Extracted from MSS SP-80

Water, Non-Corrosive Liquids and Gases					
		Valve Sizes			
Solder Used	Temp °F	¼ thru 1'	1¼ thru 2"	2½ thru 4"	Saturated Steam P.S.I.G.
50-50	100°	200	175	150	---
Tin Lead	150°	150	125	100	---
(ASTM B-32, Alloy Grade 50-A)	200°	100	90	75	---
	250°	85	75	50	*15
95-5	100°	500	400	300	---
Tin Antimony	150°	400	350	275	---
	200°	300	250	200	---
	250°	200	175	150	*15
Taramet	100°	800	600	400	---
Sterling	150°	600	450	325	---
	200°	400	375	175	---
	250°	300	200	150	---
* This pressure is determined by the temperature of saturated steam at the maximum temperature shown.					

LEAD FREE

No. 105 Bronze Gate Valve

Ultra Pure
- 300 lb. WOG
- General Service
- Solid Wedge Disc
- Non-Rising Stem
- Threaded Bonnet
- Gland Packed • FIPxFIP



SIZE	STOCK NO	EACH
½"	12UP105	185.67
¾"	34UP105	225.83
1"	1UP105	285.97
1¼"	114UP105	436.58
1½"	112UP105	506.75
2"	2UP105	662.30
125 lb SWP • 200 lb WOG • LEAD		
2½"	212105	1186.49
3"	3105	1447.91

LEAD FREE

No. 115 Bronze Gate Valve

Ultra Pure
- 300 lb. WOG
- General Service
- Solid Wedge Disc
- Non-Rising Stem
- Threaded Bonnet
- Gland Packed
- Copper x Copper



SIZE	STOCK NO	EACH
½"	12UP115	185.67
¾"	34UP115	225.83
1"	1UP115	306.07
1½"	112UP115	521.86
2"	2UP115	722.52

LEAD FREE

No. 148 Bronze Gate Valve

Ultra Pure
- 300 lb. WOG
- General Service
- Solid Wedge Disc
- Rising Stem
- Threaded Bonnet
- Gland Packed • FIPxFIP



SIZE	STOCK NO	EACH
¼"	14UP148	225.83
⅜"	38UP148	225.83
½"	12UP148	200.66
¾"	34UP148	250.87
1"	1UP148	336.14
1¼"	114UP148	481.70
1½"	112UP148	576.99
2"	2UP148	722.52
125 lb SWP • 200 lb WOG • LEAD		
2½"	212148	1330.97
3"	3148	1819.30

LEAD FREE

No. 149 Bronze Gate Valve

Ultra Pure
- 300 lb. WOG
- General Service
- Solid Wedge Disc
- Rising Stem
- Threaded Bonnet
- Gland Packed
- Copper x Copper



SIZE	STOCK NO	EACH
½"	12UP149	205.70
¾"	34UP149	255.89
1"	1UP149	336.14
1¼"	114UP149	536.90
1½"	112UP149	602.10
2"	2UP149	832.99
125 lb SWP • 200 lb WOG • LEAD		
3"	3149	1894.97

No. 1152 Bronze Gate Valve

- 125 lb. SWP • 200 lb. WOG
- Industrial Service
- Solid Wedge Disc
- Rising Stem
- Union Bonnet
- Gland Packed • FIPxFIP



SIZE	STOCK NO	EACH
½"	121152	175.39
¾"	341152	209.79
1"	11152	268.23
1¼"	1141152	378.28
1½"	1121152	460.84
2"	21152	619.04
3"	31152	2049.70

No. 1151 Bronze Gate Valve

- 150 lb. SWP • 300 lb. WOG
- Industrial Service
- Solid Wedge Disc
- Rising Stem
- Union Bonnet
- Gland Packed • FIPxFIP



SIZE	STOCK NO	EACH
¼"	141151	196.01
⅜"	381151	196.01
½"	121151	192.60
¾"	341151	223.56
1"	11151	292.35
1¼"	1141151	398.98
1½"	1121151	491.79
2"	21151	684.34
2½"	2121151	1571.68
3"	31151	2173.52

No. 1153 Bronze Gate Valve

- 200 lb. SWP • 400 lb. WOG
- Industrial Service
- Solid Wedge Disc
- Rising Stem
- Union Bonnet
- Gland Packed • FIPxFIP



SIZE	STOCK NO	EACH
½"	121153	264.81
¾"	341153	316.44
1"	11153	453.92
1½"	1121153	698.18
2"	21153	1090.20

No. 1182 Bronze Gate Valve

- 300 lb. SWP • 1000 lb. WOG
- Heavy Duty Service
- Solid Wedge Disc
- Rising Stem • Cu-Ni Seat
- Union Bonnet
- Gland Packed • FIPxFIP



SIZE	STOCK NO	EACH
¼"	141182	326.71
⅜"	381182	326.71
½"	121182	288.86
¾"	341182	343.94
1"	11182	502.11
1¼"	1141182	763.48
1½"	1121182	773.80
2"	21182	1203.67



LEAD FREE

No. 502 Bronze Globe Valve

Ultra Pure
- 300 lb. WOG
- Plumbing & Heating
- Bronze Disc
- Threaded Bonnet • FIPxFIP

SIZE	STOCK NO	EACH
¼"	14UP502	321.05
⅜"	38UP502	321.05
½"	12UP502	321.05
¾"	34UP502	396.38
1"	1UP502	531.91
1¼"	114UP502	702.48
1½"	112UP502	918.20
2"	2UP502	1394.89



No. 590T Bronze Globe Valve

- 150 lb. SWP
- 300 lb. WOG
- Heavy Duty Service
- Teflon Steam Disc
- Union Bonnet • Gland Packed • FIPxFIP

SIZE	STOCK NO	EACH
½"	12590T	261.35
¾"	34590T	357.63
1"	1590T	553.74
1¼"	114590T	876.99
1½"	112590T	1052.42
2"	2590T	1592.32



No. 595T Bronze Angle Globe Valve

- 150 lb. SWP
- 300 lb. WOG
- Heavy Duty Service
- Teflon Steam Disc
- Union Bonnet • Gland Packed • FIPxFIP

SIZE	STOCK NO	EACH
¼"	14595T	357.63
½"	12595T	357.63
¾"	34595T	488.37
1"	1595T	711.93
1¼"	114595T	921.72
2'	2595T	1932.78



No. 570 Bronze Globe Valve

- 200 lb. SWP
- 400 lb. WOG
- General Service
- Bronze Regrinding Disc
- Union Bonnet • FIPxFIP

SIZE	STOCK NO	EACH
¾"	34570	381.76
1"	1570	577.77
2"	2570	1588.91



No. 592A Bronze Globe Valve

- 200 lb. SWP @ 550°F
- 400 lb. WOG @ 150°F
- Heavy Duty Service
- Special Hardened S.S. Seat Ring and Disc
- Union Bonnet • Gland Packed • FIPxFIP

SIZE	STOCK NO	EACH
½"	12592A	464.28
¾"	34592A	646.59
1"	1592A	784.14
1¼"	114592A	1093.66
1½"	112592A	1530.42



No. 600 Bronze Globe Valve

- 200 lb. SWP
- 400 lb. WOG
- Flow Control
- Needle Point Bronze Stem
- Threaded Bonnet • Gland Packed • FIPxFIP

SIZE	STOCK NO	EACH
¾"	34600	588.12



No. 572 Bronze Globe Valve

- 300 lb. SWP
- 600 lb. WOG
- General Service
- Bronze Regrinding Disc
- Union Bonnet • Gland Packed • FIPxFIP

SIZE	STOCK NO	EACH
½"	12572	299.24
¾"	34572	433.32
1"	1572	646.59
1½"	112572	1179.61



No. 593A Bronze Globe Valve

- 300 lb. SWP @ 550°F
- 600 lb. WOG @ 150°F
- Heavy Duty Service
- Special Hardened S.S. Seat Ring and Disc
- Union Bonnet
- Gland Packed • FIPxFIP

SIZE	STOCK NO	EACH
¼"	14593A	474.60
¾"	34593A	670.65
1¼"	114593A	1110.86
1½"	112593A	1571.68



No. 509
Bronze Check Valve

Ultra Pure
General Service • FIPxFIP

SIZE	DISC	STOCK NO	EACH
LEAD FREE • 300 lb WOG			
¼"	Brass	14UP509	250.87
⅜"	Brass	38UP509	250.87
½"	Brass	12UP509	250.87
¾"	Brass	34UP509	296.03
1"	Brass	1UP509	396.38
1¼"	Brass	114UP509	551.90
1½"	Brass	112UP509	662.30
2"	Bronze	2UP509	958.37
LEADED • 200 lb WOG			
2½"	Bronze	212509	1561.37
3"	Bronze	MI3509	2317.95



No. 509T
Bronze Check Valve

Steam Service • Teflon Disc
Horizontal swing. FIPxFIP

SIZE	STOCK NO	EACH
½"	12509T	182.26
¾"	34509T	213.23
1"	1509T	292.35
1¼"	114509T	409.23
1½"	112509T	478.02
2"	2509T	698.18



No. 1509
Bronze Check Valve

Ultra Pure
General Service • Copper x Copper

SIZE	DISC	STOCK NO	EACH
LEAD FREE • 300 lb WOG			
½"	Brass	12UP1509	260.91
¾"	Brass	34UP1509	351.23
1"	Brass	1UP1509	516.77
1¼"	Brass	114UP1509	732.56
1½"	Brass	112UP1509	858.01
2"	Bronze	2UP1509	1259.37



No. 1509T
Bronze Check Valve

125 lb. SWP • 200 lb. WOG
General Service • Teflon Disc for Steam Service
Copper x Copper

SIZE	STOCK NO	EACH
½"	121509T	189.15
¾"	341509T	254.50
1"	11509T	367.97
1¼"	1141509T	519.30
1½"	1121509T	608.69
2"	21509T	883.88



No. 510T
Bronze Check Valve

150 lb. SWP • 300 lb. WOG
Industrial Service • Teflon Steam Disc
FIP x FIP

SIZE	STOCK NO	EACH
½"	12510T	247.59
¾"	34510T	316.44
1"	1510T	385.17
1¼"	114510T	550.27
1½"	112510T	732.50
2"	2510T	1079.85



No. 507
Bronze Y Pattern Check Valve

300 lb. SWP-550°F • 600 lb. WOG
Bronze Regrinding Disc • FIP x FIP

SIZE	STOCK NO	EACH
⅜"	38507	292.35
½"	12507	292.35
¾"	34507	364.60
1"	1507	491.79
1¼"	114507	636.22
1½"	112507	846.00
2"	2507	1248.37



No. 508
Bronze Y Pattern Check Valve

200 lb. SWP-425°F • 400 lb. WOG-150°F
Bronze Regrinding Disc • FIP x FIP

SIZE	STOCK NO	EACH
⅜"	38508	271.70
½"	12508	271.70
¾"	34508	347.36
1"	1508	429.85
1¼"	114508	588.12
1½"	112508	787.58
2"	2508	1148.67

Iron Body Gate Valves



No. F-2882-M Iron Body Gate Valve

- 125 lb. SWP
- 200 lb. WOG
- Non-Rising Stem
- Solid Wedge Disc
- Bolted Bonnet
- Gland Packed
- Flanged Ends

SIZE	STOCK NO	EACH
2½"	212F2882M	1433.14
3"	3F2882M	1620.42
4"	4F2882M	2331.89
5"	5F2882M	3907.99
6"	6F2882M	3907.99



No. F-2885-M International Iron Body Gate Valve

- 125 lb. SWP
- 200 lb. WOG
- OS and Y
- Solid Wedge Disc
- Bolted Bonnet
- Gland Packed
- Flanged Ends

SIZE	STOCK NO	EACH
2"	2F2885M	1426.33
2½"	212F2885M	1474.00
3"	3F2885M	1644.19
4"	4F2885M	2396.48
5"	5F2885M	3955.66
6"	6F2885M	3955.66
8"	8F2885M	6944.49
10"	10F2885M	12391.15
12"	12F2885M	16557.79



No. F-2894-M Iron Body Gate Valve

- 250 lb. SWP @ 450°F
- 500 lb. WOG
- OS and Y
- Solid Wedge Disc
- Bolted Bonnet
- Gland Packed
- Flanged Ends

SIZE	STOCK NO	EACH
2½"	212F2894M	4159.85
3"	3F2894M	4639.87
4"	4F2894M	6849.17
6"	6F2894M	11604.86

UL/FM IBBM Gate Valves



(02)

No. F-2885-FP Iron Body Gate Valve

- 175 lb. WOG
- OS and Y
- Flanged Ends

SIZE	STOCK NO	EACH
4"	4F2885FP	2510.80

Iron Body Globe Valves



No. F-2981-M Iron Body Globe Valve

- 125 lb. SWP
- 200 lb. WOG
- Solid Disc
- Bolted Bonnet
- Gland Bonnet
- Flanged Ends

SIZE	STOCK NO	EACH
2½"	212F2981M	3080.72
3"	3F2981M	3625.41
4"	4F2981M	5194.75

Suffix M — Signifies "MILVACO" Series International Valves.

Iron Body Check Valves

These iron body check valves may be installed in both horizontal and vertical lines with upward flow or in any intermediate position.



No. F-2974-M International Iron Body Horizontal Swing Check Valve

125 lb. SWP • 200 lb. WOG
Bolted Cap • Flanged Ends

SIZE	STOCK NO	EACH
2"	2F2974M	989.36
2½"	212F2974M	1270.51
3"	3F2974M	1377.28
4"	4F2974M	2188.69
5"	5F2974M	3715.44
6"	6F2974M	3715.44
8"	8F2974M	7007.37

Suffix M — Signifies "MILVACO" Series International Valves.



No. F-2974M26 Cast Iron Body Check Valve International

125 lb. SWP • 200 lb. WOG
Bolted Cap • Flanged Ends
Conforms to MSS SP-71, Type 1.

SIZE	STOCK NO	EACH
2½"	212F2974M26	1814.95
3"	3F2974M26	1967.47
4"	4F2974M26	3126.54

Cast Steel Check Valves



1570CB2 Cast Steel Horizontal Swing Check Valve

- Class 150
- Flanged Ends

SIZE	STOCK NO	EACH
2½"	212CSFLCV	1411.06
3"	3CSFLCV	1411.06
4"	4CSFLCV	2001.00
6"	6CSFLCV	3175.73
8"	8CSFLCV	5230.24

3070CB2

- Class 300
- Flanged Ends

SIZE	STOCK NO	EACH
3"	3CS300FLCV	2071.72
4"	4CS300FLCV	2797.97
6"	6CS300FLCV	4962.85

Series "M" & "C" Butterfly Valves



LEAD FREE

Cast Iron Body Butterfly Valve

- 200 CWP
- Aluminum Bronze Disc
- EDPM Disc
- Wafer Style

"C" Series Commercial Valves

SIZE	STOCK NO	EACH
No CW223-E		
2"	2CW223E	386.94
2½"	212CW223E	386.94
3"	3CW223E	408.32
4"	4CW223E	516.11
5"	5CW223E	640.74
6"	6CW223E	809.27
8"	8CW223E	1108.63



LEAD FREE

CL-323-E Lug Style

- Gear Operator

"C" Series Commercial Valves

WHEEL SIZE	STOCK NO	EACH
No CL323-EC International		
8"	8CL323EC	1736.62
10"	10CL323EC	2344.53
12"	12CL323EC	3386.54

See Cap Screw Size and Qty. on Page 1407



LEAD FREE

Cast Iron Body Butterfly Valve

- 200 CWP
- Aluminum Bronze Disc
- EDPM Disc
- Lug Style

"C" Series Commercial Valves

SIZE	STOCK NO	EACH
No CL223-EC International		
2"	2CL223EC	416.79
2½"	212CL223EC	416.79
3"	3CL223EC	434.13
4"	4CL223EC	521.02
5"	5CL223EC	754.15
6"	6CL223EC	868.36

Cast Steel Globe Valves



1560CB2 Cast Steel Globe Valve

- Class 150
- Rising Stem
- Bolted Bonnet
- Welded Seat Rings
- Flanged Ends

SIZE	STOCK NO	EACH
3"	3CSFLGLV	1889.27
4"	4CSFLGLV	2970.02
6"	6CSFLGLV	4989.64

Cast Steel Gate Valves



1550CB2 Cast Steel Gate Valve

- Class 150
- Rising Stem
- Bolted Bonnet
- Welded Seat Rings
- Flanged Ends

SIZE	STOCK NO	EACH
2"	2CSFLGV	1186.37
2½"	212CSFLGV	1701.16
3"	3CSFLGV	1701.16
4"	4CSFLGV	2176.38
6"	6CSFLGV	3351.19
8"	8CSFLGV	5420.32

3050CB2

- Class 300
- Rising Stem
- Bolted Bonnet
- Welded Seat Rings
- Flanged Ends

SIZE	STOCK NO	EACH
3"	3CS300FLGV	2273.72
4"	4CS300FLGV	2970.02
6"	6CS300FLGV	5126.62

Flange Bolting for Milwaukee Butterfly Valves



Machine Bolts



Stud Bolts



Cap Screws

Valve Type	Class	Valve Size	Bolt Dia.	Threads Per Inch	Number of Tapped Holes		Machine Bolt				Stud				Cap Screw	
							Machine Bolt		Cap Screw Blind		Stud		Stud-Blind Hole			
					Through	Blind	Qty	Length	Qty	Length	Qty	Length	Qty	Length	Qty	Length
LUG	125	2	0.625	11	4	—	4	4.00	—	—	4	4.75	—	—	8	1.50
		2-1/2	0.625	11	4	—	4	4.50	—	—	4	5.00	—	—	8	1.50
		3	0.625	11	4	—	4	4.50	—	—	4	5.25	—	—	8	1.75
		4	0.625	11	8	—	8	5.00	—	—	8	5.75	—	—	16	1.75
		5	0.750	10	8	—	8	5.50	—	—	8	6.25	—	—	16	2.00
		6	0.750	10	8	—	8	5.50	—	—	8	6.25	—	—	16	2.00
		8	0.750	10	8	—	8	6.00	—	—	8	6.75	—	—	16	2.25
		10	0.875	9	12	—	12	6.50	—	—	12	7.50	—	—	24	2.25
		12	0.875	9	12	—	12	7.00	—	—	12	8.00	—	—	24	2.75
		14	1.000	8	12	—	12	7.50	—	—	12	8.50	—	—	24	2.75
		16	1.000	8	16	—	16	8.75	—	—	16	9.75	—	—	32	3.00
		18	1.125	7	16	—	16	9.50	—	—	16	10.75	—	—	32	3.50
		20	1.125	7	16	8	16	10.25	8	3.50	16	11.50	8	5.50	40	3.50
		24	1.250	7	16	8	16	12.00	8	3.50	16	13.00	8	5.50	40	3.50
WAFER	125	2	0.625	11	—	—	4	4.50	—	—	4	5.00	—	—	8	1.50
		2-1/2	0.625	11	—	—	4	4.75	—	—	4	5.25	—	—	8	1.75
		3	0.625	11	—	—	4	5.00	—	—	4	5.50	—	—	8	1.75
		4	0.625	11	—	—	8	5.00	—	—	8	5.75	—	—	16	1.75
		5	0.750	10	—	—	8	5.25	—	—	8	6.00	—	—	16	2.00
		6	0.750	10	—	—	8	5.50	—	—	8	6.25	—	—	16	2.00
		8	0.750	10	—	—	8	6.00	—	—	8	6.75	—	—	16	2.25
		10	0.875	9	—	—	12	6.50	—	—	12	7.50	—	—	24	2.25
		12	0.875	9	—	—	12	7.00	—	—	12	8.00	—	—	24	2.75
		14	1.000	8	4	—	12	7.50	—	—	12	8.50	—	—	24	2.75
		16	1.000	8	4	—	16	8.50	—	—	16	9.50	—	—	32	3.00
		18	1.125	7	4	—	16	9.50	—	—	16	10.50	—	—	32	3.50
		20	1.125	7	—	8	16	10.25	8	3.50	16	11.50	8	5.25	40	3.50
		24	1.250	7	—	8	16	12.00	8	3.50	16	13.00	8	5.25	40	3.50

NOTES:

Bolting lengths do not include clearance for washers. If washers are to be used their thickness must be added to the suggested bolting length Bolting should be in accordance with ASME B18.2.1
Hex nuts should be in accordance with ASME B18.2.2 (Heavy hex used for calculation)
Bolting and hex nuts are Unified Coarse Thread Series (UNC) Class 2A (bolts) and Class 2B (hex nuts) per ASME B1.1
20 inch and 24 inch lug valves have 4 blind tapped holes each side (8 total)
14 inch through 18 inch wafer valves have 4 thru tapped holes, 20 inch and 24 inch wafer valves have 4 blind tapped holes each side (8 total) Consult factory for flange bolting above 24"

MILWAUKEE VALVES CAP SCREW MATCHUPS	
MILWAUKEE VALVE PART NUMBER	CAP QTY. - PART NUMBER FOR EACH VALVE
2CL223EC	8 - 58X112CASC
212CL223EC	8 - 58X112CASC
3CL223EC	8 - 58X134CASC
4CL223EC	16 - 58X134CASC
5CL223EC	16 - 34X2CASC
6CL223EC	16 - 34X2CASC
8CL323EC	16 - 34X214CASC
10CL323EC	24 - 78X214CASC
12CL323EC	24 - 78X234CASC

See page 1040 for Cap Screws

See Page 1116
for ProPress Ball Valves

Milwaukee Valves (12)
Commercial Ball Valves
milwaukeevalve.com

LEAD FREE / ULTRA PURE
BA100/BA150 Ball Valves

Two-Piece
Full-Port (½"-¾") • Standard-Port (1"-2")
600 PSIG WOG • Blow-Out Proof Stem

SIZE	STOCK NO	EACH
BA-100 Threaded		
½"	12UPBA100	45.26
¾"	34UPBA100	74.37
1"	1UPBA100	82.17
1¼"	114UPBA100	158.73
1½"	112UPBA100	202.57
2"	2UPBA100	255.15
BA-150 Solder End		
½"	12UPBA150	45.26
¾"	34UPBA150	74.37
1"	1UPBA150	82.17
1¼"	114UPBA150	158.73
1½"	112UPBA150	202.57
2"	2UPBA150	255.15

BA100H/BA150H Bronze Ball Valves

Two-piece • with cap & chain
600 PSIG WOG-150 SWP

SIZE	STOCK NO	EACH
BA100H-FIP x Hose		
½"	12BA100H	50.09
¾"	34BA100H	67.66
BA150H-SWT x Hose		
½"	12BA150H	50.09
¾"	34BA150H	67.66

NOTE: 50 PSI Maximum For Hose Caps

BA100ELD with Exhaust (When Closed) and Latchlock Handle


SIZE	STOCK NO	EACH
½"	12BA100ELD	53.65
¾"	34BA100ELD	78.42
1"	1BA100ELD	95.10

LEAD FREE
BA300S/BA350S Full Port Ball Valves

- Three-piece, Full port Bronze
- Stainless Steel Ball and Stem
- 600 PSIG WOG

SIZE	STOCK NO	EACH
BA300S-IPS		
½"	12BA300S	226.20
¾"	34BA300S	269.32
1"	1BA300S	391.44
1¼"	114BA300S	530.30
1½"	112BA300S	674.02
2"	2BA300S	1100.51
BA350S-SWT		
½"	12BA350S	226.20
¾"	34BA350S	269.32
1"	1BA350S	391.44

BA-350TE-2G Full Port Ball Valves

- Three-piece, Full port Bronze.
- Stainless Steel Locking Lever
- 600 PSIG WOG
- Extended Tube Ends with ⅛" NPT Gauge Ports
- Two Gauge Ports

Not intended for use in potable water

SIZE	STOCK NO	EACH
Cleaned For Oxygen Service		
½"	12BA350TE2GLDOC	367.13
¾"	34BA350TE2GLDOC	381.22
1"	1BA350TE2GLDOC	471.57

LEAD FREE
BA400S/BA450S Full Port Ball Valves

Ultra Pure
Two-piece • Full port Bronze Body
Stainless Steel Ball and Stem • Threaded ends
600 PSIG WOG

SIZE	STOCK NO	EACH
BA400S-IPS		
¼"	14UPBA400S	70.50
⅜"	38UPBA400S	70.50
½"	12UPBA400S	70.50
¾"	34UPBA400S	128.20
1"	1UPBA400S	149.30
1¼"	114UPBA400S	370.58
1½"	112UPBA400S	444.94
2"	2UPBA400S	744.91
BA450S-SWT		
½"	12UPBA450S	70.50
¾"	34UPBA450S	128.20
1"	1UPBA450S	149.30
1¼"	114UPBA450S	370.58
1½"	112UPBA450S	444.94
2"	2UPBA450S	744.91

MILWAUKEE VALVE

Accessories

Latchlock Handles

MODEL	SIZE	STOCK NO	EACH
BA100/150	¼" - ½"	8686D940	12.35
BA100/150	¾" - 1"	8686F940	16.47
BA100/150	1¼" - 3"	8686J940	24.81
BA300/350	¼" - ½"	8686D940	12.35
BA300/350	¾"	8686F940	16.47
BA300/350	1" - 1½"	8686J940	24.81
BA300/350	2"	8686K940	24.81
BA400/450	¼" - ½"	8686D940	12.35
BA400/450	¾"	8686F940	16.47
BA400/450	1" - 1½"	8686J940	24.81
BA400/450	2"	8686K940	24.81

MS Memory Stops

MODEL	SIZE	STOCK NO	EACH
BA100/150	¼" - ½"	8685D940	5.22
BA100/150	¾" - 1"	8685F940	5.22
BA100/150	1¼" - 3"	8685J940	5.22
BA300/350	¼" - ½"	8685D940	5.22
BA300/350	¾"	8685F940	5.22
BA300/350	1" - 2"	8685J940	5.22
BA400/450	1" - 2"	8685J940	5.22

XH Extension Stems

MODEL	SIZE	STOCK NO	EACH
BA100/150	¼" - ½"	8672D940	14.74
BA100/150	¾" - 1"	8672F940	14.74
BA100/150	1¼" - 3"	8672J940	26.05
BA300/350	¼" - ½"	8672D940	14.74
BA300/350	¾"	8672F940	14.74
BA300/350	1" - 1½"	8672J940	26.05
BA300/350	2"	8672K940	26.05
BA400/450	1" - 1½"	8672J940	26.05
BA400/450	2"	8672K940	26.05

Extended Locking Devices

MODEL	SIZE	STOCK NO	EACH
BA100/150	¼" - ½"	86218D09940	71.00
BA100/150	¾" - 1"	86218E09940	83.79
BA100/150	1¼" - 3"	86218G09940	110.76
BA300/350	¼" - ½"	86218D09940	71.00
BA300/350	¾"	86218E09940	83.79
BA300/350	1" - 1½"	86218G09940	110.76
BA300/350	2"	86218J09940	144.83
BA400/450	1" - 1½"	86218G09940	110.76
BA400/450	2"	86218J09940	144.83

Commercial Ball Valves



LEAD FREE

BA475B/BA485B Brass Ball Valves

2-Piece • Full Port • Blow-Out Proof Stem

SIZE	STOCK NO	EACH
BA-475B Threaded Ends, 600 PSIG WOG		
¼"	14UPBA475B	28.24
⅜"	38UPBA475B	28.24
½"	12UPBA475B	26.96
¾"	34UPBA475B	40.78
1"	1UPBA475B	59.78
1¼"	114UPBA475B	94.37
1½"	112UPBA475B	135.42
2"	2UPBA475B	210.41
BA-475B Threaded Ends, 400 PSIG WOG (Not Gas Rated)		
2½"	212UPBA475B	493.15
3"	3UPBA475B	664.11
BA-485B Solder End, 600 PSIG WOG		
½"	12UPBA485B	25.67
¾"	34UPBA485B	37.79
1"	1UPBA485B	57.54
1¼"	114UPBA485B	88.76
1½"	112UPBA485B	131.47
2"	2UPBA485B	198.88
BA-485B Solder End, 400 PSIG WOG		
2½"	212UPBA485B	493.15
3"	3UPBA485B	664.11

BA475B/BA480B/BA485B Accessories

SIZE	STOCK NO	EACH
Memory Stop		
¼ -½"	8662D940	4.94
¾ - 1"	8662F940	5.34
1¼ - 2"	8662J940	6.65
2½ - 3"	8662K940	6.65
XH Extension Stem		
¼ - ½"	EXTEN15XA	15.42
¾ - 1½"	EXTEN25XA	18.80
2"	EXTEN38XA	25.66
2½" - 3"	EXTEN50XA	49.55
Locking Handle		
¼ -½"	27995AMV	11.95
¾ - 1"	27996AMV	15.98
1¼ - 1½"	27997AMV	23.90
2"	27998AMV	31.43



BA260 Series Ball Valve CF8M Stainless Steel

2-Piece • Full port • PTFE-Packing
RPTFE Seats • Locking Handle • 1000# WOG

SIZE	STOCK NO	EACH
BA-260 Threaded		
½"	12BA260	77.36
¾"	34BA260	121.09
1"	1BA260	158.07
1¼"	114BA260	262.33
1½"	112BA260	312.76
2"	2BA260	420.36

Industrial Ball Valves



Series 20BSOR-02 2-Piece Bronze Ball Valve

FNPT Mounting pad for optional actuator
Carbon Steel Lever • 316SS Stem and Ball
FIP x FIP

SIZE	STOCK NO	EACH
600 WOG		
½"	1220BSOR02	71.08
¾"	3420BSOR02	119.86
1"	120BSOR02	146.24
1¼"	11420BSOR02	227.51
1½"	11220BSOR02	300.67
2"	220BSOR02	422.56

Series 20BSOR-03 2-Piece Bronze Ball Valve 250 lb. Steam Service

FNPT Mounting pad for optional actuator
Carbon Steel Lever • 316SS Stem and Ball
Multi-Fill PTFE Seat • FIP x FIP

SIZE	STOCK NO	EACH
600 WOG		
½"	1220BSOR03	89.09
¾"	3420BSOR03	141.03
1"	120BSOR03	167.41
1¼"	11420BSOR03	254.69
1½"	11220BSOR03	327.83
2"	220BSOR03	449.73

Series 20SSOR-02 Stainless Steel Ball Valve

Mounting pad for optional actuator
Stainless Steel Lever • FIP x FIP

SIZE	STOCK NO	EACH
2000 WOG		
¼"	1420SSOR02	118.47
⅜"	3820SSOR02	118.47
½"	1220SSOR02	118.47
¾"	3420SSOR02	190.07
1"	120SSOR02	191.73
1500 WOG		
1¼"	11420SSOR02	443.18
1½"	11220SSOR02	458.55
2"	220SSOR02	597.06

Series 20CCOR-02 2-Piece Carbon Ball Valve

Mounting pad for optional actuator
Carbon Steel Lever • FIP x FIP

SIZE	STOCK NO	EACH
2000 WOG		
½"	1220CCOR02	88.41
¾"	3420CCOR02	98.16
1"	120CCOR02	127.62
1500 WOG		
1½"	11220CCOR02	296.92

Stainless Steel Latch-Lock Handles

For 20 Series

SIZE	STOCK NO	EACH
¼ - ½"	84773DL940	19.16
¾ - 1"	84773EL940	29.27
1¼ - 2"	84773GL940	34.32

Butterfly Valves (55)



Series HP1LCS & HP1LSS Butterfly Valves

- High-performance
- Class 150 WOG
- Lug Pattern 17-4 Stem, PTFE Seat
- PTFE Packaging
- Bare stem Flanged End Connections per ASME/ANSI B16.5

SIZE	BODY	STOCK NO	EACH
2 ½"	Carbon Steel	212HP1LCS4211	1888.01
3"	Carbon Steel	3HP1LCS4211	1888.01
4"	Carbon Steel	4HP1LCS4211	2232.31
5"	Carbon Steel	5HP1LCS4211	3483.35
6"	Carbon Steel	6HP1LCS4211	3483.35
8"	Carbon Steel	8HP1LCS4211	4418.68
2 ½"	Stainless Steel	212HP1LSS4211	2682.79
3"	Stainless Steel	3HP1LSS4211	2682.79
4"	Stainless Steel	4HP1LSS4211	3110.35
5"	Stainless Steel	5HP1LSS4211	5345.49
6"	Stainless Steel	6HP1LSS4211	5345.49
8"	Stainless Steel	8HP1LSS4211	7385.58



High Performance Handle Kit

For Series HP1LCS & HP1LSS Valves

SIZE	TYPE	STOCK NO	EACH
2½"-4"	Lever	2124HPHANDLEKIT	179.04
5"-6"	Lever	56HPHANDLEKIT	206.60
8"	Lever	8HPHANDLEKIT	239.62
2½"-4"	Gear OP	2124HPGEAROPKIT	666.59
5"-6"	Gear OP	56HPGEAROPKIT	694.12
8"-10"	Gear OP	810HPGEAROPKIT	708.89

MILWAUKEE VALVE

See Page 1116
for ProPress Ball Valves

Apollo Valves (12)

apollovalves.com

Ball Valves

Not for use with potable water

Contains LEAD



70-100 HC Series Brass Full Port Ball Valve

with Cap & Chain

- Maximum Pressure 600 psi CWP
- Vacuum Service to 29" Hg

SIZE	STOCK NO	EACH
NPT x 3/4" NPSH		
1/2"	AP70103HC	65.83
3/4"	AP70104HC	93.02
SWT x 3/4" NPSH		
1/2"	AP70203HC	65.83
3/4"	AP70204HC	93.02

77C-A Bronze Full Port Ball Valve



- Threaded ends ANSI B1.20.1
- Maximum Temperature 450°F
- 600 CWP • 150SWP • RPTFE Seats

SIZE	STOCK NO	EACH
IPS x IPS		
1/2"	L1277C10301A	28.19
3/4"	L3477C10401A	45.93
1"	L177C10501A	58.04
1 1/4"	L11477C10601A	135.43
1 1/2"	L11277C10701A	179.69
2"	L277C10801A	294.80
Stainless Steel Vented Ball & Stem • IPS x IPS		
1/2"	L1277C14301A	44.55
3/4"	L3477C14401A	83.05
1"	L177C14501A	100.79
1 1/4"	L11477C14601A	216.85
1 1/2"	L11277C14701A	264.68
2"	L277C14801A	407.57

77C-A Bronze Full Port Ball Valve



- Solder joint ends ANSI B16.18
- Maximum Temperature 450°F
- 600 CWP • 150SWP • PTFE Seats

SIZE	STOCK NO	EACH
SWT x SWT		
1/2"	L1277C20301A	28.19
3/4"	L3477C20401A	45.93
1"	L177C20501A	58.04
1 1/4"	L11477C20601A	135.43
1 1/2"	L11277C20701A	179.69
2"	L277C20801A	294.80
Stainless Steel Vented Ball & Stem • SWT x SWT		
1/2"	L1277C24301A	44.55
3/4"	L3477C24401A	83.05
1"	L177C24501A	100.79
1 1/4"	L11477C24601A	216.85
1 1/2"	L11277C24701A	264.68
2"	L277C24801A	407.57



LEAD FREE

77FLF Series Brass Full Port Ball Valve

- CGA 3.16 (125 PSI)
- UL Guides: YSDT, MHKZ, YQNZ, YRBX, YRPV & VQGE
- Temperature Range: 0°F - 400°F
- 600 CWP • 150SWP • RPTFE Seats

SIZE	STOCK NO	EACH
IPS x IPS		
1/4"	1477FLF101	35.15
3/8"	3877FLF102	35.15
1/2"	1277FLF103	39.45
3/4"	3477FLF104	53.99
1"	177FLF105	78.95
1 1/4"	11477FLF106	133.95
1 1/2"	11277FLF107	199.96
2"	277FLF108	277.67
SWT x SWT		
1/2"	1277FLF203	40.26
3/4"	3477FLF204	54.59
1"	177FLF205	79.64
1 1/4"	11477FLF206	158.50
1 1/2"	11277FLF207	214.08
2"	277FLF208	297.82



LEAD FREE

77CLF-A 2 Piece Full Port Bronze Ball Valve

- Threaded ends ANSI B1.20.1
- 600 CWP • 150 SWP • RPTFE Seats

SIZE	STOCK NO	EACH
IPS x IPS		
1/2"	1277CLF103A	38.35
3/4"	3477CLF104A	62.46
1"	177CLF105A	78.95
1 1/4"	11477CLF106A	184.25
1 1/2"	11277CLF107A	244.49
2"	277CLF108A	364.97
Stainless Steel Vented Ball & Stem • IPS x IPS		
1/2"	1277CLF143A	60.57
3/4"	3477CLF144A	113.04
1"	177CLF145A	141.30
1 1/4"	11477CLF146A	301.17
1 1/2"	11277CLF147A	367.55
2"	277CLF148A	515.12
2 1/2"	21277CLF149A	1424.07



LEAD FREE

77CLF-A 2 Piece Full Port Bronze Ball Valve

- Solder joint ends ANSI B16.18
- 600 CWP • 150 SWP • RPTFE Seats

SIZE	STOCK NO	EACH
SWT x SWT		
1/2"	1277CLF203A	38.35
3/4"	3477CLF204A	62.46
1"	177CLF205A	78.95
1 1/4"	11477CLF206A	184.25
1 1/2"	11277CLF207A	244.49
2"	277CLF208A	364.97
Stainless Steel Vented Ball & Stem • SWT x SWT		
1/2"	1277CLF243A	60.57
3/4"	3477CLF244A	113.04
1"	177CLF245A	141.30
1 1/4"	11477CLF246A	301.17
1 1/2"	11277CLF247A	367.55
2"	277CLF248A	515.12
2 1/2"	21277CLF249A	1424.07



LEAD FREE

94A Brass Full Port Ball Valve

- Threaded ends ANSI B1.20.1

SIZE	STOCK NO	EACH
IPS x IPS, 600 CWP		
1/4"	1494A101A	18.87
3/8"	3894A102A	19.02
1/2"	1294A103A	21.71
3/4"	3494A104A	32.89
1"	194A105A	51.54
1 1/4"	11494A106A	82.85
1 1/2"	11294A107A	110.85
2"	294A108A	177.11
IPS x IPS, 400 CWP		
2 1/2"	21294A109A	411.16
3"	394A100A	533.33
4"	494A10AA	1020.26

LEAD FREE

94A Brass Full Port Ball Valve



- Solder joint ends ANSI B1.20.1

SIZE	STOCK NO	EACH
SWT X SWT, 600 CWP		
1/2"	1294A203	20.78
3/4"	3494A204	33.53
1"	194A205	50.49
1 1/4"	11494A206	83.96
1 1/2"	11294A207	119.25
2"	294A208	168.68
SWT X SWT, 400 CWP		
2 1/2"	21294A209	406.35
3"	394A200	538.08

Accessories

Stem Extension Kit

For 77C & 77W Series

SIZE	STOCK NO	EACH
1/2"	7829801	39.08
3/4"-1"	7829901	39.08
1 1/4"-2"	7830001	50.76

Balancing Stop Kit

For 77C & 77W Series

SIZE	STOCK NO	EACH
1/2"	7829501	5.04
3/4"-1"	7829601	5.04
1 1/4"-2"	7829701	6.16

Locking Handle Kit

For 77C Series

SIZE	STOCK NO	EACH
1/2"	W490000	10.56
3/4"-1"	W493800	13.99
1 1/4"-2"	W494900	16.65

Stem Extension Kit

For 77C-A & 77CLF-A Series

SIZE	STOCK NO	EACH
1/2"-3/4"	78233301	20.98
1"-1 1/4"	7844301	27.19
1 1/2"-2 1/2"	7846901	33.22

Locking Handle Kit

For 77C-A & 77CLF-A Series

SIZE	STOCK NO	EACH
1/2"-3/4"	78260301	22.09
1"-1 1/4"	78260401	25.31
1 1/2"	78260501	26.22
2 1/2"	78275001	22.87

Valves

Apollo Valves (12)

apollovalves.com

NEW ITEM

70-140-64 series NPT Bronze Ball Valve



Contains LEAD

- Standard Port
- Threaded ends
- Maximum Temperature 500°F
- 316 Stinless Steel Ball & Stem
- 250# Steam Trim (MPTFE Seats & Packing)

SIZE	STOCK NO	EACH
NPT x NPT		
¼"	L147014164	80.51
⅜"	L387014264	80.51
½"	L127014364	80.51
¾"	L347014464	131.07
1"	L17014564	154.59
1¼"	L1147014664	257.54
1½"	L1127014764	333.92
2"	L27014864	429.42

NEW ITEM

LD141 Series Resilient Seated Butterfly Valve



- Compatible with ANSI 125# & 150# Flanges
- Conforms to MSS SP-67 & API 609
- Disc Material - Stainless Steel, CF8M
- Seat Material - Black EPDM
- Shaft - 416 Stainless Steel

SIZE	STOCK NO	EACH
Lever Operator		
2"	LD14102SE11A	386.57
2½"	LD14125SE11A	415.26
3"	LD14103SE11A	434.69
4"	LD14104SE11A	511.61
5"	LD14105SE11A	657.68
6"	LD14106SE11A	791.22
Worm Gear Operator		
8"	LD14108SE12A	1449.25
10"	LD14110SE12A	2095.31
12"	LD14112SE12A	4114.00

NEW ITEM

215L Series Double offset high performance butterfly valves



- Class 150# Carbon Steel (CWP 285)
- Multi-bolt retainer holds and supports the seat
- Stem & Pin Material - 17-4 PH SS
- Disc Material - Stainless Steel, CF8M
- Seat Material - RTFM (TFM 1700 with Glass)

SIZE	STOCK NO	EACH
Carbon Steel - Lever Operator		
2"	215L02CSP8TA1	1556.64
2½"	215L25CSP8TA1	1694.53
3"	215L03CSP8TA1	1758.46
4"	215L04CSP8TA1	2130.15
5"	215L05CSP8TA1	2729.66
6"	215L06CSP8TA1	2991.37
Carbon Steel - Worm Gear Operator		
8"	215L08CSP8TA2	4380.18
10"	215L10CSP8TA2	6538.28
12"	215L12CSP8TA2	8356.77
Stainless Steel - Lever Operator		
2"	215L02SSP8TA1	2332.00
2½"	215L25SSP8TA1	2543.78
3"	215L03SSP8TA1	2725.62
4"	215L04SSP8TA1	3688.79
5"	215L05SSP8TA1	4693.90
6"	215L06SSP8TA1	4925.73
Stainless Steel - Worm Gear Operator		
8"	215L08SSP8TA2	8016.98
10"	215L10SSP8TA2	11132.34
12"	215L12SSP8TA2	14817.10

ASC Engineered Solutions - Sharpe (02)

asc-es.com

Series 50M Economy, Full Port, 2-Piece Ball Valves



- Bi-directional, bubble tight shut-off
- Size Range: NPS ¼"-3" (DN 8-80) full port
- Pressure Rating: 1000 CWP
- Body Material: Cast Stainless Steel
- Standard: MSS SP-110
- End Connections: Threaded
- Blow-Out Proof Stem
- Locking Handle as standard
- Optional Oval Handles for smaller sizes

SIZE	STOCK NO	EACH
½"	1250M76	45.68
¾"	3450M76	63.94
1"	150M76	91.33
1 ¼"	11450M76	139.09
1 ½"	11250M76	187.52
2"	250M76	273.98

Series 50 Full Port, Flanged Ball Valves



- Bi-directional, bubble tight shut-off
- Size Range: NPS 1/2"-8" (DN 15-200) full port
- Pressure Class: ASME Class 150
- Cast Carbon Steel, Cast Stainless Steel
- Standards: ASME B16.34, NACE MR0175
- End Connections: Flanged
- Blow-Out Proof Stem
- Live-loaded stem packing as standard
- ISO 5211 Top Mounting Pad - Automatable
- Locking Handle as standard
- Optional Oval Handles for smaller sizes
- Additional Options and Accessories
- Sharpe® valves, actuators, and accessories are designed to work together; delivering exceptional performance.

SIZE	STOCK NO	EACH
2 ½"	21250116R	1277.92
3"	350116R	1338.64
4"	450116R	1901.44
6"	650116R	4837.82

A.Y. McDonald (12)

aymcdonald.com

Stop and Waste Ball Valve

600 psi

Copper x Copper

SIZE	STOCK NO	EACH
½"	AY2033S12	21.62
¾"	AY2033S34	33.95
1"	AY2033S1	48.69

Gas Ball Valves

175 psi • AGA Approved

SIZE	STOCK NO	EACH
Flare x FIP		
½"	AY1071212	13.87
Flare x MIP		
⅜" FL x ½" MIP	AY1071638	15.06
½"	AY1071612	15.06
FIP x FIP		
½"	AY1071012	7.55
¾"	AY1071034	11.02
Flare x Flare		
½"	AY1071412	15.49

Butterfly Valves (55)

kitz.com

Ductile Iron Body Lug Style Butterfly Valve



- Lever Operated, 250 PSI
- ANSI Class 125/150 flanges
- MSS SP-67, MSS SP-25, API-609

SIZE	STOCK NO	EACH
2"	6123EL200	259.61
2 ½"	6123EL212	267.04
3"	6123EL300	285.13
4"	6123EL400	348.98
5"	6123EL500	494.73
6"	6123EL600	569.20
8"	6123EL800	819.23

Ductile Iron Body Lug Style Butterfly Valve



- Gear Operated, 250 PSI
- ANSI Class 125/150 flanges
- MSS SP-67, MSS SP-25, API-609

SIZE	STOCK NO	EACH
10"	6123EG910	1468.23
12"	6123EG912	2127.87

Jomar Valves (12)

Bronze Swing Check Valve

200 WOG



SIZE	STOCK NO	EACH
FIP x FIP		
½"	12CVH	20.05
¾"	34CVH	26.08
1"	1CVH	35.10
1¼"	114CVH	59.10
1½"	112CVH	74.86
2"	2CVH	118.57

Gate Valves

200 WOG



SIZE	STOCK NO	EACH
FIP x FIP		
½"	12GV	30.62
¾"	34GV	42.01
1"	1GV	62.42
1¼"	114GV	88.03
1½"	112GV	111.92
2"	2GV	170.33
Copper x Copper		
½"	12GVS	34.02
¾"	34GVS	46.68
1"	1GVS	69.36
1¼"	114GVS	97.82
1½"	112GVS	124.36
2"	2GVS	189.26

Brass Swing Check Valve



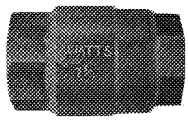
SIZE	STOCK NO	EACH
Copper x Copper		
½"	12CVHS	21.61
¾"	34CVHS	28.12
1"	1CVHS	37.83
1¼"	114CVHS	63.71
1½"	112CVHS	80.69
2"	2CVHS	127.80

See page 1115 & 1116 for ProPress Ball Valves

Watts Valves (12)

Series 600 "Maxi-Flo" Cone Check Valve

15 psi. Steam • 400 Lbs. WOG



SIZE	STOCK NO	EACH
FIP x FIP		
¼"	14CV600	200.52
½"	12CV600	171.37
¾"	34CV600	233.89
1"	1CV600	322.49
1¼"	114CV600	460.36
1½"	112CV600	565.00
2"	2CV600	848.77

Series 601S Bronze Silent Check Valves



Series 601S Bronze Silent Check Valves efficiently perform all of the functions of a swing check or vertical lift check valve and at the same time operate silently to prevent the effects of water hammer.

Features:

- Viton® disc
- Integral brass seat
- Install in horizontal or vertical position (consult factory for proper use in vertical installations)
- Low pressure drop equivalent to a swing check
- Silent operation

SIZE	STOCK NO	EACH
Solder End Connections		
½"	12CV601S	171.21
¾"	34CV601S	258.86
1"	1CV601S	351.19

Valves & Controls for Process Automation

Goodin Company is your source for valves and actuated controls that meet all of your process automation needs. We offer valves complete with pneumatic or electric actuation, with a wide variety of control accessories.

Our full line of Industrial quarter-turn valves includes: stainless steel, carbon steel and bronze ball valves, along with a broad line of iron butterfly valves. And because of their complete package design, our valves are easily linked to integrated control panels and automation systems.

For more information please contact your salesperson or the Industrial department in the Minneapolis Branch.

ELECTRIC ACTUATION
For Ball & Butterfly Valves Reversible & Uni-Directional
NEMA 4 &
NEMA 7 Enclosures
Worm-Gear Drive Train

PNEUMATIC ACTUATION
For Ball & Butterfly Valves.
Double Acting & Spring.
Return Rack and Pinion Design

Apollo Valves (12)

apollovalves.com



Flanged End Ball Valve

Full port through 6".
A126 Class B Cast Iron Body with FDA food-grade epoxy powder coat.
Stainless Steel Ball & Stem.
PTFE Seats. ISO 5211 Mounting Pad for Easy Actuation
Face-to-face and Flange Dimensions conform to ANSI Standard B16.10.

Dimensions

SIZE	FACE TO FACE	FLANGE DIAMETER	PORT DIA
2"	7"	6"	2.00
2½"	7½"	7"	2.56
3"	8"	7.5"	3.00
4"	9"	9"	4.00
6"	10½"	11"	5.94

SIZE	STOCK NO	EACH
2"	26PLF208	618.60
2½"	2126PLF209	663.38
3"	36PLF200	748.29
4"	46PLF20A	1082.46
6"	66PLF20C	1885.55



Titan Dual Disc Wafer Type Ductile Iron Check Valve

Bronze Disc • 250psi @ 100°F
2"-6" provide dual pressure service -
ANSI Class 150/300 (scalloped designed)
ANSI Class 150 • Buna-N Seats

SIZE	STOCK NO	EACH
2"	2CV41DIBS1S	126.14
2½"	212CV41DIBS1S	151.58
3"	3CV41DIBS1S	174.46
4"	4CV41DIBS1S	250.76
6"	6CV41DIBS1S	425.74
8"	8CV41DIBS1S	835.70



No. 611 Semi-Steel Lubricated Plug Valves

125-Lbs. WOG

SIZE	STOCK NO	EACH
FIP x FIP		
1"	1HO611CSA	284.26
1¼"	114HO611CSA	307.23
1½"	112HO611CSA	307.23
2"	2HO611CSA	307.23
2½"	212HO611CSA	434.24
3"	3HO611CSA	554.00
4"	4HO611CSA	742.69



No. 612 Lubricated Plug Valve

125-Lbs. WOG

SIZE	STOCK NO	EACH
Flanged Ends		
1½"	112HO612CSA	406.43
2"	2HO612CSA	411.26
2½"	212HO612CSA	524.96
3"	3HO612CSA	637.46
4"	4HO612CSA	851.55
5"	5HO612CSA	1652.32

Standard Homestead Wrenches

VALVE SIZE	STOCK NO	EACH
½ - 1"	FHO	38.70
1¼ - 2"	GHO	52.02
2½ - 3"	EHO	76.21
4"	LHO	102.82
5-8"	NHO	210.47

Stick Sealants

Available 24 Sticks/Box

STOCK NO	EACH
Size B — ⅜" Diameter	
38HO650B	90.72
38HO6	90.72
Size C — ½" Diameter	
12HO6	120.96

Stick Sealant Features

Sealant No	Temp Range F	Color	Solvent
400-A	+20 to +130	Amber	Naptha
Aqueous solutions of acids, alkalies, and amines			
6	+275	Grey	Naptha
Hot Water, steam, water with ethylene glycol			
650	0 to +180	Blue	Perchlorethylene
General hydrocarbon services			



WL-11 Bonney Forge Forged Steel Gate Valve

800 PSI @ 850°F • 2000-Lbs. CWP

SIZE	STOCK NO	EACH
FIPxFIP • Welded Bonnet		
¼"	14FSGAWB	113.09
½"	12FSGAWB	113.09
¾"	34FSGAWB	124.19
1"	1FSGAWB	158.52
1¼"	114FSGAWB	290.80
1½"	112FSGAWB	290.80
2"	2FSGAWB	364.50
FIPxFIP • Bolted Bonnet		
½"	12FSGA	113.09
¾"	34FSGA	124.19
1"	1FSGA	150.45
1¼"	114FSGA	284.74
1½"	112FSGA	284.74
2"	2FSGA	368.54
Socket Weld • Welded Bonnet		
½"	12SOGAWB	113.09
¾"	34SOGAWB	124.19
1"	1SOGAWB	158.52
1¼"	114SOGAWB	290.80
1½"	112SOGAWB	290.80
2"	2SOGAWB	364.50
Socket Weld • Bolted Bonnet		
½"	12SOGA	113.09
¾"	34SOGA	124.19
1"	1SOGA	150.45
1¼"	114SOGA	284.74
1½"	112SOGA	284.74
2"	2SOGA	368.54



HL-31 Bonney Forge Forged Steel Globe Valve

800 PSI @ 850°F

SIZE	STOCK NO	EACH
FIP x FIP		
½"	12FSGL	186.11
¾"	34FSGL	213.00
1"	1FSGL	276.47
1¼"	114FSGL	542.18
1½"	112FSGL	542.18
2"	2FSGL	694.94
Socket Weld		
½"	12FSSOGL	186.11
¾"	34FSSOGL	213.00
1"	1FSSOGL	276.47



HL-41 Bonney Forge Forged Steel Piston Check Valve

800 PSI @ 850°F
2000-Lbs. CWP

SIZE	STOCK NO	EACH
FIP x FIP		
½"	12FSCK	173.20
¾"	34FSCK	186.11
1"	1FSCK	219.46
1½"	112FSCK	427.08
2"	2FSCK	599.20

Babbit Adjustable Sprocket and Rims (02)

babbittsteam.com



SIZE NO	DIA OF SPROCKET RIM	DIA HAND WHEELS RIM WILL FIT	RIM AND GUIDE STOCK NO	EACH	CHAIN PER FOOT STOCK NO	FOOT
0	4"	2 to 4"	0SPRI	132.54	CH0	2.49
2	9"	7¾ to 9"	2SPRI	257.28	CH1	3.12
2½	12½"	9¼ to 12½"	212SPRI	358.63	CH212	5.30
3	15½"	12¾ to 15½"	3SPRI	491.16	CH212	5.30
3½	19"	15¾ to 19"	312SPRI	662.68	CH212	5.30

Babbitt MasterLink

For Babbitt Chainwheel Chain.
Easy way to join ends of chain.

Each MasterLink kit contains:

- 1 Babbitt MasterLink
- 1 Short hollow tip stainless steel rivet
- 1 Long hollow tip stainless steel rivet
- 1 Rivet splaying tool
- Tools required:
- Pump pliers or "Vise Grip" style pliers.
- Machine vise recommended.

SIZE	STOCK NO	EACH
1,1½, 2"	BML1	18.43
2½, 3, 3½"	BML25	21.26



Babbitt Quick Link

The Quick Link is used with weldless chain to connect the two ends during installation of the chainwheel. When a Quick Link is added to an order, the chain is prepared in our facility to eliminate the need for cutting or alteration on site. Installation is an easy process that only requires a pair of pliers.

CHAINWHEEL NUMBER	PART NUMBER	STOCK NO	EACH
0	QL-0	BQL0	9.21



Contains LEAD



Asco
General Service
Solenoid Valves with Coil

- Brass Body.
- Normally Closed.
- Pilot Operated.
- 120/60 High flow valves for liquid, corrosive, and air/inert gas service.

SIZE	COIL	STOCK NO	EACH
120/60 • 0 PSI OPERATING PRESSURE DIFFERENTIAL			
1/2"	10.1 Watt	8210G094	328.28
3/4"	10.1 Watt	8210G095	351.84
1"	10.1 Watt	8210G054	750.82
120/60 • 5 PSI OPERATING PRESSURE DIFFERENTIAL			
1/2"	6.1 Watt	8210G002	286.17
3/4"	6.1 Watt	8210G003	444.42
1"	6.1 Watt	8210G004	565.66
1 1/4"	6.1 Watt	8210G008	688.54
1 1/2"	6.1 Watt	8210G022	1015.13
2"	6.1 Watt	8210G100	1841.72
24/60 • 0 PSI OPERATING PRESSURE DIFFERENTIAL			
1/2"	10.1 Watt	8210G094V24	328.28
3/4"	10.1 Watt	8210G095V24	351.84
1"	10.1 Watt	8210G054V24	696.96
24/60 • 5 PSI OPERATING PRESSURE DIFFERENTIAL			
1/2"	6.1 Watt	8210G002V24	286.17
3/4"	6.1 Watt	8210G003V24	430.96
1"	6.1 Watt	8210G004V24	565.66
1 1/4"	6.1 Watt	8210G008V24	688.54
2"	6.1 Watt	8210G100V24	1710.42

SERIES 8210 Specifications

PILOT OPERATED GENERAL SERVICE SOLENOID VALVES

Pipe Size	Orifice Diameter	C_V Flow Factor	Operating Pressure Diff. PSI	Maximum Pressure AC	Maximum Pressure DC
1/2"	5/8"	4.0	0	150	40
3/4"	3/4"	5.0	0	150	40
1"	1"	13.0	0	150	-
1/2"	5/8"	4.0	5	200	125
3/4"	3/4"	6.5	5	250	125
1"	1"	13.0	5	150	125
1 1/4"	1 1/8"	15.0	5	150	125
1 1/2"	1 1/4"	22.5	5	150	125
2"	1 3/4"	43.0	5	150	50
2"	1 3/4"	43.0	5	150	50

Asco
Gas Shutoff Valves

2-Way Normally Closed Operation.
Zero differential piloted diaphragm.

Aluminum Body

SIZE	COIL	STOCK NO	EACH
1/2"	17.1 Watt	8214G020	385.52
3/4"	17.1 Watt	8214G030	392.26

SERIES 8214 Specifications

GAS SHUTOFF VALVES

Pipe Size	Orifice Diameter	C_V Flow Factor	Gas Capacity Btu/hr.	Operating Pressure Diff. PSI Min/ Max	Max. Fluid Temp. °F AC	Max. Fluid Temp. °F DC
1/2"	3/4"	4.4	238,500	0/5	125	104
3/4"	3/4"	5.1	247,500	0/5	125	104



Asco
A/C Coil Only

VOLTAGE	CONDUIT CONN.	STOCK NO	EACH
24/60	6.1 Watt	238210005D61	245.77
120/60	6.1 Watt	238210032D61	245.77
240/60	6.1 Watt	238210058D61	260.93
24/60	10.1 Watt	238610005D101	282.83
120/60	10.1 Watt	238610032D101	273.96
240/60	10.1 Watt	238610058D101	267.66

Miscellaneous Valves (02)

aymcdonald.com

"Full-Flo" Boiler Drain



MIP x MH

SIZE	STOCK NO	EACH
½"	12BD	12.54
¾"	34BD	14.86

Boiler Drain



Quarter Turn Hose Bibb
MIP x MH

SIZE	STOCK NO	EACH
½"	12BDQT	22.78
¾"	34BDQT	25.23

Hose Bibb



Rough Brass
MIP x MH

SIZE	STOCK NO	EACH
½"	12SCHB	12.90
¾"	34SCHB	14.43

"Full-Flo" Sillcock



SIZE	STOCK NO	EACH
FIP x MH		
½"	12SCSC	15.43
¾"	34SCSC	17.86
Copper x MH		
½"	12SWSC	14.63
¾"	34SWSC	18.84

Bronze "Full-Flo" Stop Valves



SIZE	STOCK NO	EACH
FIP x FIP		
¾"	34SCST	17.23
Copper x Copper		
⅜"	38SWST	8.44
½"	12SWST	13.46
¾"	34SWST	15.63

Bronze "Full-Flo" Stop and Waste Valve



SIZE	STOCK NO	EACH
FIP x FIP		
½"	12SCSW	16.58
¾"	34SCSW	18.07
Copper x Copper		
½"	12SWSW	13.59
¾"	34SWSW	16.36

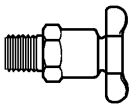
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62-108-01 Conbraco Stainless Steel Ball Cone Check Valve



SIZE	STOCK NO	EACH
⅜"	38SSCV	160.96
1¼"	114SSCV	562.11
2"	2SSCV	1372.21

Drain Cock



DC603

SIZE	STOCK NO	EACH
¼"	14DRCO	15.50
⅜"	38DRCO	8.81

Gas Service Stop with Check



No 10598
FIP x FIP

SIZE	STOCK NO	EACH
¾"	3410598	34.02
1"	110598	62.26
1¼"	11410598	91.34

Air Cocks (24)

apollovalves.com



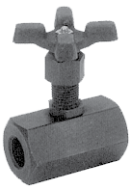
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Air Cocks

SIZE	HANDLE	STOCK NO	EACH
FIP x MIP			
¼"	Tee	14THMXFAICO	26.90
FIP x FIP			
¼"	Tee	14THFXFAICO	26.90

(02)

RP&C Barstock Needle Valve



- 10,000 PSIG @ 150°F
- WOG

SIZE	HANDLE	STOCK NO	EACH
½"	Cross	6010301	172.72
1"	Tee	6010501	350.33

Reserved

Woodford Freezeless Outside Wall Faucets



Model 14
¾" Male hose thread nozzle.
Powder-coated, cast aluminum handle.
12" Length

INLET DESCRIPTIONS	STOCK NO	EACH
½" FPT - ¾" MPT	1214P	79.50
¾" Female Sweat	1214C3	79.50

Woodford Anti-Siphon Freezeless Outside Wall Faucets



Model 17 • ASSE 1019
¾" Male hose thread nozzle.
Powder-coated, cast aluminum handle.
Contains Integral backflow protection device.
8" Length

INLET DESCRIPTIONS	STOCK NO	EACH
½" Copper Sweat K, L, M Inside		
¾" M Only Outside	817C	72.13
½" MPT - ½" Female Sweat	817CP	72.13
½" FPT - ¾" MPT	817P	74.82
¾" Female Sweat	817C3	74.82
½" F1960 Tube	817W	72.13

10" Length

INLET DESCRIPTIONS	STOCK NO	EACH
½" FPT - ¾" MPT	1017P	78.53
½" MPT - ½" Female Sweat	1017CP	75.84
¾" Female Sweat	1017C3	78.53
½" F1960 Tube	1017W	75.84
¾" F1960 PEX Tube	1017W3	81.28

12" Length

INLET DESCRIPTIONS	STOCK NO	EACH
½" Copper Sweat K, L, M Inside		
¾" M Only Outside	1217C	79.56
½" MPT - ½" Female Sweat	1217CP	79.56
½" FPT - ¾" MPT	1217P	82.26
½" PEX tube fitting	1217PX	79.56
¾" PEX tube fitting	1217PX3	82.26
¾" Female Sweat	1217C3	82.26
½" F1960 Tube	1217W	79.56
¾" F1960 PEX Tube	1217W3	85.00

14" Length

INLET DESCRIPTIONS	STOCK NO	EACH
½" FPT - ¾" MPT	1417P	85.97
½" MPT - ½" Female Sweat	1417CP	83.28
¾" Female Sweat	1417C3	85.97

18" Length

INLET DESCRIPTIONS	STOCK NO	EACH
½" FPT - ¾" MPT	1817P	93.41
¾" Female Sweat	1817C3	93.41

24" Length

INLET DESCRIPTIONS	STOCK NO	EACH
½" FPT - ¾" MPT	2417P	104.56
¾" Female Sweat	2417C3	104.56

Woodford Anti-Siphon Freezeless Outside Wall Faucets



Model 19 • ASSE 1019
¾" Male hose thread nozzle.
Oval, Powder-coated, cast aluminum handle.
Contains Integral backflow protection device.
Patented resetting pressure relief valve prevents bursting when freezing even if the hose is left on.
12" Length

INLET DESCRIPTIONS	STOCK NO	EACH
½" Copper Sweat K, L, M Inside		
¾" M Only Outside	1219C	90.33
½" FPT - ¾" MPT	1219P	93.03
¾" Female Sweat	1219C3	93.03
¾" PEX Tube Fitting	1219PX3	93.03
¾" Press Connection	1219PP	106.49

Woodford Mounting Sleeve



For Models 14, 16, 17, & 19 Only
Adjustable ¾" - 5¾".

STOCK NO	EACH
WFMS	19.60

Woodford Auto-Drain Freezeless Wall Faucets



Model 27 • ASSE 1052
¾" Male hose thread nozzle drains as metal handle is shut off even if hose is attached. Designed for residential outside water service applications and intended for irrigation purposes. Brass finish.
10" Length

INLET DESCRIPTIONS	STOCK NO	EACH
½" Copper Sweat K, L, M Inside		
¾" M Only Outside	27C10	127.17

12" Length

INLET DESCRIPTIONS	STOCK NO	EACH
½" Copper Sweat K, L, M Inside		
¾" M Only Outside	27C12	130.95

14" Length

INLET DESCRIPTIONS	STOCK NO	EACH
½" Copper Sweat K, L, M Inside		
¾" M Only Outside	27C14	134.72

18" Length

INLET DESCRIPTIONS	STOCK NO	EACH
½" Copper Sweat K, L, M Inside		
¾" M Only Outside	27C18	142.26

Woodford Anti-Siphon Wall Faucets



Model 101 • ASSE 1019
Anti-siphon protected wall faucet for mild climates.

INLET DESCRIPTIONS	STOCK NO	EACH
½" Copper Sweat K, L, M Inside		
¾" M Only Outside	101C	54.73


Model 22


Model V22

Woodford Freezeless Hot and Cold Outside Wall Faucets

Model 22C and V22C • ASSE 1019
¾" Male hose thread nozzle.
Oval, Powder-coated, cast aluminum handle.
Contains Integral backflow protection device.
Patented resetting pressure relief valve prevents bursting when freezing even if the hose is left on.
12" Length • Horizontal

INLET DESCRIPTIONS	STOCK NO	EACH
½" Copper Sweat K, L, M Inside		
¾" M Only Outside	1222C	221.01
½" FPT - ¾" MPT	1222P	224.88
¾" Female Sweat	1222C3	224.88
¾" PEX Tube	1222PX3	224.88

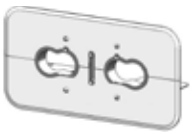
6" Length • Vertical

INLET DESCRIPTIONS	STOCK NO	EACH
½" Copper Sweat K, L, M Inside		
¾" M Only Outside	6V22C	198.71
½" FPT - ¾" MPT	6V22P	202.58

12" Length • Vertical

INLET DESCRIPTIONS	STOCK NO	EACH
½" Copper Sweat K, L, M Inside		
¾" M Only Outside	12V22C	221.01
½" FPT - ¾" MPT	12V22P	224.88
¾" Female Sweat	12V22C3	224.88
¾" PEX Tube	12V22PX3	224.88
Wisconsin Code Approved		
12"	12V22CMHWI	214.54

(21)



Drywall Mounting Plate - DMP

For Models 22C and V22C
Made from strong PC/ABS, the Mounting Plate is designed to space the faucet wall flange away from ⅝" thick drywall. Includes: 2 Cover plates, 1 Mounting Plate, 4 White Headed Screws, 2 Sheet Metal Screws, and 4 Wood Screws.

SIZE	STOCK NO	EACH
4 x 9¼"	WODMP	35.82

Roof Hydrants

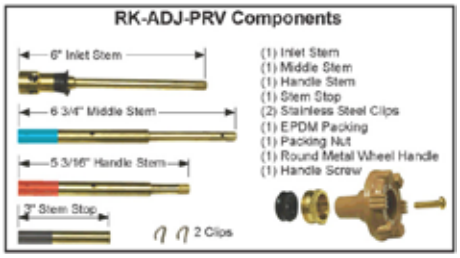


Freezeless Sanitary Roof Hydrant

- Backflow Preventer with ¾" Hose Connection.
- 1½" US made galvanized pipe.
- All hydrant repairs can be made from top without removing hydrant.
- SRH Warning - After each use, run hydrant without a hose to ensure proper evacuation.
- RHY2 sutomatically drains when shut off even with hose attached.

INLET DESCRIPTIONS	STOCK NO	EACH
Model SRH-MS • Air Vent • ASSE 1057		
¾" NPT female inlet	SRHMS	1517.08
Model RHY2-MS • ASSE 1052		
1" NPT female inlet	RHY2MS	1409.14

Accessories



(21)

Woodford Adjustable Operating Rod

For Models 14, 16, 17, 19, 22 or V22

Designed to prevent the copper tube from bursting in freezing conditions from 4" to 14" wall thickness. Upgrade or Replace

WALL THICKNESS	STOCK NO	EACH
4"-14"	WORKADJPRV	68.22



(21)

Woodford Over Size Flange

For Models 14, 16, 17, 19, & 101 flange

Covers larger holes from previous installs. Includes a top, bottom and 2 mounting screws that attach to any new or existing

SIZE	STOCK NO	EACH
3½"	WORKOSF	6.39



(21)

Metal Handle

For Models 14 & 17

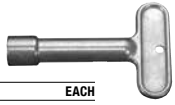
STOCK NO	EACH
WO30099	7.38

(21)

Woodford Repair Kits

Note: Does NOT Include Valve Stem

FOR HYDRANT MODELS:	STOCK NO	EACH
25/27	WORK25	80.72
60/65/67	WORK65	116.90



(21)

Tee Key

For Woodford Models 65 & 67

STOCK NO	EACH
WO5009	5.94



(21)

Vacuum Breaker Kit

For Woodford Model 17

STOCK NO	EACH
WORK17VB	4.86

Commercial



Woodford Wall Hydrant With Vacuum Breaker

Model 26P • ASSE 1052

Backflow Preventer 50HF, ¾" FPT

DESCRIPTION	STOCK NO	EACH
Brass, metal handle	26P34	76.90
Rough Chrome, plastic handle	26P34CH	86.64



Woodford Anti-Siphon Freezeless Wall Hydrant

Model 65C • ASSE 1019

Vacuum Breaker 34HA, ASSE 1011

¾" Copper inlet • 125 PSI

LENGTH	STOCK NO	EACH
12"	65C12	356.49



Woodford Freezeless Wall Hydrant Square Box

Model B-67C • ASSE 1052

Backflow Preventer 50HA

¾" Copper inlet • 125 PSI

LENGTH	STOCK NO	EACH
12"	B67C12	696.82



Woodford Freezeless Wall Hydrant

Model 67C • ASSE 1052

Backflow Preventer 50HA

¾" Copper inlet • 125 PSI

LENGTH	STOCK NO	EACH
12"	67C12	356.49
18"	67C18	378.03



Woodford Freezeless Undercover Wall Hydrant

Model 68C • ASSE 1053

Backflow preventer 50HA, ASSE 1052

¾" Copper inlet • 125 PSI

LENGTH	STOCK NO	EACH
12"	68C12	504.99



(21)

Woodford Vacuum Breakers and Backflow Preventers

Model 34HA standard on Models 25 & 65

COLOR	STOCK NO	EACH
Model 34HA standard on Models 25 & 65		
Chrome	WO34HACH	60.24
Model 50HA standard on Models C22, B22, 27, 30, 67 & 68. Also converts Woodford Model 65 to 67		
Chrome	WO50HACH	66.83
Model 50HF standard on 26, Y2, H34, B26 & Y95		
Chrome	WO50HFCH	69.17

Arrowhead

arrowheadbrass.com



Arrowhead 470 Series Freeze-Proof 12" Wall Hydrant

SIZE	STOCK NO	EACH
Sweat x MIP • ASSE 1019A		
½"	47612	54.00
¾"	47812	54.00
Sweat x PEX • ASSE 1019A		
¾"	47712	54.00

Prier

prier.com

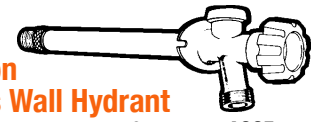


Anti-Siphon Freezeless Wall Hydrant

Model 408-12 & 412-12 • ASSE 1019

With vacuum breaker & internal backflow preventer

SIZE	LENGTH	STOCK NO	EACH
½" MIP x ½" SWT	12"	PR40812	70.29
¾" SWT	12"	PR41212	74.43



Anti-Siphon Freezeless Wall Hydrant

Model 482-12, 478-08, 478-10 & 478-12 • ASSE 1019

With vacuum breaker & external backflow preventer

SIZE	LENGTH	STOCK NO	EACH
¾" SWT	12"	MA48212	73.10
½" MIP x ½" SWT	8"	MA47808	60.95
½" MIP x ½" SWT	10"	MA47810	64.17
½" MIP x ½" SWT	12"	MA47812	67.46



Prier Brass P-118 Single Handle Hot & Cold

ASSE 1019 / UPC • Anti-siphon

Length 12" Mounting bracket and screws included

SIZE	STOCK NO	EACH
Satin-Nickle ½" SWT	PRP118L12SN	828.56
OR Bronze ½" SWT	PRP118L12ORB	1118.56
Satin-Nickle ½" PEX	PRP118X12SN	838.04
OR Bronze ½" PEX	PRP118X12ORB	1131.37

Service Kit

For 300/400/500 Series

STOCK NO	EACH
MA7755	33.06

Reserved

Perforated Hanger Strap



¾" Width

SIZE	STOCK NO	EACH
Galvanized		
10'	34X10GAHAST	3.31
100'	34X100GAHAST	31.25
Copper		
25'	34X25COHAST	174.06
Plastic		
100'	34X100PLHAST	18.78

PickUp Talon Tube Hangers



Sold by the Bucket

With Barbed - Shank Nail

SIZE	BUCKET QTY.	STOCK NO	EACH
½"	1800	SC5562BKT	185.98
¾"	1000	SC5563BKT	165.58

braxtonharris.com

2-Hole Steel Pipe Strap



SIZE	STOCK NO	EACH
½"	12PIST	.12
¾"	34PIST	.17
1"	1PIST	.30
1¼"	114PIST	.40
1½"	112PIST	.47
2"	2PIST	.62
2½"	212PIST	2.14
3"	3PIST	1.52

"One Hole" Snap-Straps



SIZE	STOCK NO	EACH
½"	121PIST	.39
¾"	341PIST	.60
1"	11PIST	1.95
1¼"	1141PIST	2.13
1½"	1121PIST	2.25
2"	21PIST	2.69

Copper Tube Strap



2-Hole

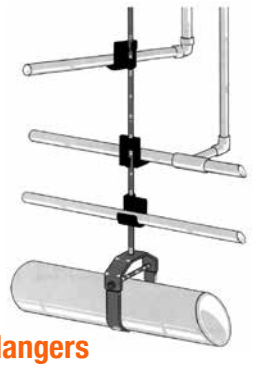
SIZE	STOCK NO	EACH
¼"	14TUST	1.30
⅜"	38TUST	1.36
½"	12TUST	1.50
¾"	34TUST	2.49
1"	1TUST	2.56
1¼"	114TUST	3.10
1½"	112TUST	3.76
2"	2TUST	4.16

Wire Pipe Hooks



SIZE	STOCK NO	EACH
Steel, 6" Lengths		
½"	12X6STPIHO	1.13
Copper Plated, 4" Lengths		
½"	12X4COPIHO	.66
¾"	34X4COPIHO	.95
Copper Plated, 6" Lengths		
½"	12X6COPIHO	.65
1"	1X6COPIHO	.68

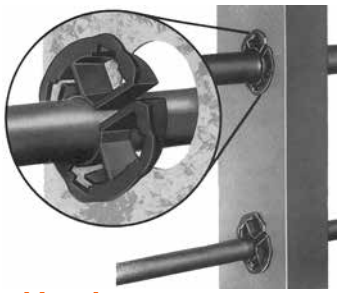
Add-A-Hanger Fire Retardant Hangers



- For hanging copper or CPVC on new or existing 3/8" threaded rod.
- Twists on and off. Pipe can snap in and out.
- Eliminates pipe rattle and electrolysis.
- Tubing is secure and protected from sharp metal edges.
- Fire retardant hanger can be used to run tubing through A/C chases.

SIZE/MODEL	STOCK NO	EACH
503 TR	12ADAHA	2.47
753TR	34ADAHA	2.90
1003TR	1ADAHA	3.22

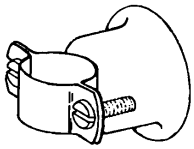
Metal Stud Insulator



Fire Resistant

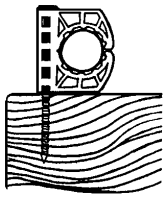
SIZE	STOCK NO	EACH
½"	12MSI	.30
3/4"	34MSI	.30
1"	1MSI	.25

Copper Bell Hanger



SIZE	STOCK NO	EACH
½"	12BEHA	2.08
¾"	34BEHA	2.10
1"	1BEHA	2.16

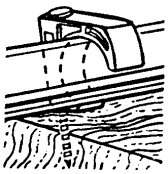
Full Clamp Tube Hanger



With Barbed - Shank Nail

SIZE	STOCK NO	EACH
½"	12FUCLTUHA	.52
¾"	34FUCLTUHA	.88
1"	1FUCLTUHA	1.54

Half Clamp Tube Hanger



With Barbed - Shank Nail

SIZE	STOCK NO	EACH
½"	12HACLTUHA	.21
¾"	34HACLTUHA	.28
½ x ¾"	12X34HACLTUHA	.36
1"	1HACLTUHA	.66

Pipe Hangers

siouxchief.com

(02)

Pipe Clamps

CPVC and Copper



SIZE	STOCK NO	EACH
½"	12PICL	.21
¾"	34PICL	.45
1"	1PICL	.81
1¼"	114PICL	1.01
1½"	112PICL	1.35

(02)

Insulating Suspension Clamps

CPVC and Copper



SIZE	STOCK NO	EACH
½"	12INSUCL	.26
¾"	34INSUCL	.32
1"	1INSUCL	.95
1¼"	114INSUCL	1.32

(02)

Pipe Insulators

CPVC and Copper



SIZE	STOCK NO	EACH
½"	12PIIN	.53
¾"	34PIIN	.54

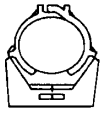
(02)

Bifolator Insulators

SIZE	STOCK NO	EACH
½" or ¾"	SC55823	.35

(02)

Clic One-Piece Pipe Hangers



NOM. DIA. COPPER	COPPER O.D.	NOM. DIA. SCH40	STOCK NO	EACH
—	—	⅜"	CLIC17	2.16
—	—	½"	CLIC20	2.68
—	—	¾"	CLIC25	2.74
1¼"	1⅜"	1"	CLIC32	3.87
1½"	1⅝"	1¼"	CLIC40	4.91
—	—	1½"	CLIC47	6.71
—	—	2"	CLIC59	9.04
½"	⅝"	—	CLIC15	1.86
¾"	—	—	CLIC22	2.16
1"	1⅛"	—	CLIC28	3.87
2"	—	—	CLIC51	8.15

(02)

White Zipstick Pipe Hanger

No. 553



SIZE	STOCK NO	EACH
14"	SC553014W	3.80
26"	SC553026W	5.93

(02)

PVC Multi-Purpose Pipe Hangers

Model 549



SIZE	STOCK NO	EACH
1½" - 2"	SC549712	2.77

(02)

One Piece Nylon Snap-N-Rod Pipe Hangers

For ⅜" rod



STOCK NO	EACH
1216P	3.23
2124P	3.23
2529P	4.01
3034P	4.04
3538P	4.46
4044P	4.51
4854P	4.91
5663P	5.85

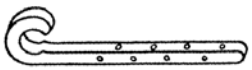
SNAP-N-ROD SELECTION CHART

Hanger (mm range)	Steel-Plastic Sch.40&80	Copper Types K,L,M & DWV	Refrigeration Copper	Electric EMT	Electric Heavy Wall	Electric IMC	Stainless Steel Tube	Metric Size Range mm.	Max Load
1216P (12-16)	¼" .540	⅜-½" .500-.625	½-⅝" .500-.625				½" .500	12-16mm .630	170
2124P (21-24)	½" .840	¾" .875	⅞" .875	¾" .922	½" .840	½" .815		21-24mm	215
2529P (25-29)	¾" 1.050	1' 1.125	1⅛" 1.125		¾" 1.050	¾" 1.029	1" 1.00	25-28mm .984-1.100	315
3034P (30-34)	1" 1.315			1" 1.163	1" 1.315	1" 1.290	1¼" 1.250	32mm 1.260	.540
3538P (35-38)		1¼" 1.375	1⅜" 1.375	1¼" 1.510			1½" 1.500		342
4044P (40-44)	1¼" 1.660	1½" 1.625	1⅝" 1.625	1½" 1.740	1¼" 1.660	1¼" 1.638		40mm 1.570	365
4854P (48-54)	1½" 1.900	2" 2.125	2⅛" 2.125		1½" 1.900	1½" 1.883	2" 2.000	50mm 1.970	380
5663P (56-63)	2" 2.375			2" 2.197	2" 2.375	2" 2.360	2½" 2.500	63mm 2.480	410

NOTE: Fractional numbers reflect nominal pipe diameter, decimal numbers reflect actual O.D. in inches.

(02)

"J" Hooks Drain Pipe

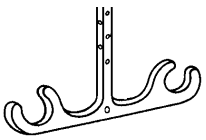


DESCRIPTION	STOCK NO	EACH
½" x 5" CTS	12JHO	1.73
¾" x 5" CTS	34JHO	1.87
1" x 5" CTS	1JHO	2.49
1½" x 8" DWV	112JHO	1.70
2" x 8" DWV	2JHO	1.74
3" x 8" DWV	3JHO	1.84
4" x 8" DWV	4JHO	2.46

(02)

"J" Hooks Drain Pipe

Double J



SIZE	STOCK NO	EACH
¾ x ¾ CTS	34DOJHO	1.63



(02)

DWV Pipe Hangers

SIZE / DESCRIPTION	STOCK NO	EACH
2" ABS	2BJHO	1.62
3" ABS	3BJHO	1.82
4" ABS	4BJHO	2.04



(02)

EZGlide™ Suspension Clamp

- Ribs allow pipe to glide easier and more quietly
- V-shaped split design for easy installations
- Compatible with copper, PEX or CPVC
- Plenum Safe™ models meet ASTM E84 25/50 Flame/Smoke Spread and UL94 V-0 flame rating

SIZE / DESCRIPTION	STOCK NO	EACH
1½"	SC5576	1.59
2"	SC5577	2.06



(14)

Speed Link Universal Support System

LENGTH	STOCK NO	EACH
2 Millimeter with Locking Device		
3 Meter	SLK2L3	23.61
5 Meter	SLK2L5	28.06
3 Millimeter with Locking Device		
2 Meter	SLK3L2	25.47
3 Meter	SLK3L3	28.62
5 Meter	SLK3L5	34.82

erico.com

(27)

Gas Pipe Pipe Hangers

DESCRIPTION	STOCK NO	EACH
Single Hole	GPH1S	1.40
Double Hole	GPH2	1.95



(18)

Single Shot

Insulating Suspension Clamp

With Preloaded Nail

SIZE / DESCRIPTION	STOCK NO	EACH
½"	82980	.57
¾"	82981	.65
1"	82982	1.76

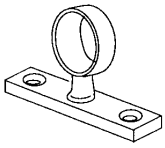


(02C)

Threaded Rod

Continuous Threads

SIZE	THREADS PER INCH	STOCK NO	PER FOOT
Black Steel - 6' Lengths			
1/4"	20	14X6THRO	.45
3/8"	16	38X6THRO	.94
1/2"	13	12X6THRO	1.73
5/8"	11	58X6THRO	2.86
3/4"	10	34X6THRO	4.10
1"	8	1X6THRO	8.05
Black Steel - 10' Lengths			
1/4"	20	14X10THRO	.45
3/8"	16	38X10THRO	.94
1/2"	13	12X10THRO	1.73
5/8"	11	58X10THRO	2.86
3/4"	10	34X10THRO	4.10
Galvanized Steel - 6' Lengths			
1/4"	20	14X6THGSRO	.50
5/16"	18	516X6THGSRO	.83
3/8"	16	38X6THGSRO	.99
1/2"	13	12X6THGSRO	1.78
5/8"	11	58X6THGSRO	2.92
3/4"	10	34X6THGSRO	4.43
7/8"	9	78X6THGSRO	6.51
1"	8	1X6THGSRO	8.57
Galvanized Steel - 10' Lengths			
3/8"	16	38X10THGSRO	.99
1/2"	13	12X10THGSRO	1.78
5/8"	11	58X10THGSRO	2.92
Type 304 Stainless Steel - 6' Lengths			
3/8"	16	38X6THSSRO	4.24
1/2"	13	12X6THSSRO	7.32



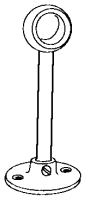
(02)

Jones Hanger

Chromium Plated

No. 825

I.P.S.	STOCK NO	EACH
1/2"	12IP825	40.54



(02)

Extension Hangers

Chromium Plated

No. 820

DESCRIPTION	STOCK NO	EACH
3/8" IPS	38IP820	39.75
1/2" IPS	12IP820	39.75
3/4" IPS	34IP820	39.75
1 1/2" OD	112OD820	42.38

NEW ITEM



Welding Beam Attachment with Bolt and Nut

SIZE	STOCK NO	EACH
3/8"	3866WBA	11.82
1/2"	1266WBA	15.50
5/8"	5866WBA	15.73
3/4"	3466WBA	27.16
7/8"	7866WBA	37.99
1"	166WBA	99.93

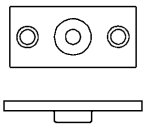
(02C)

Plated Rod Coupling

No. 25



SIZE	STOCK NO	EACH
1/4"	14ROCO	.70
3/8"	38ROCO	.75
1/2"	12ROCO	.75
5/8"	58ROCO	1.72
3/4"	34ROCO	2.67
7/8"	78ROCO	4.67
Reducing Rod Coupling		
1/2 x 3/8"	12X38ROCO	8.96



(14)

Ceiling Flange

BOLT THREAD SIZE	STOVK NO	EACH
No. 940 - Malleable Iron		
3/8"	38CEFL	1.56
No. 942 - Copper Plated		
3/8"	38COCEFL	2.13
No. 945/941 - Galvanized		
3/8"	38GACEFL	1.77
1/2"	12GACEFL	2.54
No. 940 - Stainless Steel		
3/8"	38SSCEFL	11.06
1/2"	12SSCEFL	13.57

Coach Screw Rod

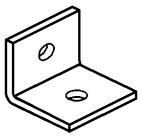


No. 40

SIZE	STOCK NO	EACH
3/8 x 4"	38X4COSC	2.74
1/2 x 4"	12X4COSC	4.72

(14)

Side Beam Attachment



No. 920

SIZE	FOR PIPE SIZE	STOCK NO	EACH
3/8"	3/4 - 2"	38SIBE	3.13
1/2"	2 1/2 - 3 1/2"	12SIBE	3.85

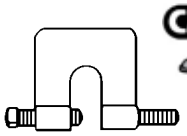
(14)

No. 38 Offset Eye Socket Rod Hanger



Steel

ROD SIZE	PIPE SIZE	STOCK NO	EACH
3/8"	4" Max.	0380037EG	1.87

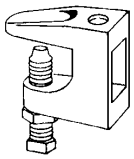


(14)

C-Clamp

No. 270 with Locknut.

SIZE	STOCK NO	EACH
3/8"	38CCL	4.69
1/2"	12CCL	5.75



(14)

Malleable Beam Clamp

SIZE	STOCK NO	EACH
No. 350 - with Locknut		
3/8"	38BECL	1.92
1/2"	12BECL	2.41
5/8"	58BECL	4.85
3/4"	34BECL	7.59
7/8"	78BECL	9.32
No. 350 - Stainless Steel with Locknut		
3/8"	38SSBECL	26.68
1/2"	12SSBECL	30.98

(14)

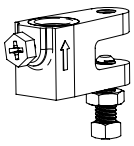
Galvanized Beam Clamp

SIZE	STOCK NO	EACH
No. 350 - with Locknut		
3/8"	38GABECL	2.67
1/2"	12GABECL	3.13
5/8"	58GABECL	6.21
3/4"	34GABECL	10.08

(14)

Wide Mouth Beam Clamp

SIZE	STOCK NO	EACH
No. 360		
3/8"	38WMBECL	3.62
1/2"	12WMBECL	4.21

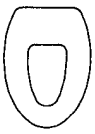


(14)

Caddy Rod Lock Beam Clamp

500 lbs. Load Capacity

SIZE	STOCK NO	EACH
3/8"	CRLB37EG	11.70



(14)

Eye Rod Socket

Plain Malleable

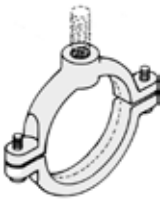
SIZE	STOCK NO	EACH
No. 30		
3/8"	38EYSO	2.69
1/2"	12EYSO	3.31



Extension Split Clamp

3/8" Bolt Thread - Hinged

SIZE	ROD SIZE	STOCK NO	EACH
Plain - No. 508R			
3/8"	3/8"	38EXCL	1.80
1/2"	3/8"	12EXCL	1.80
3/4"	3/8"	34EXCL	2.21
1"	3/8"	1EXCL	2.23
1 1/4"	3/8"	114EXCL	2.46
1 1/2"	3/8"	112EXCL	3.00
2"	3/8"	2EXCL	4.46
2 1/2"	1/2"	212EXCL	8.57
3"	1/2"	3EXCL	12.39
4"	1/2"	4EXCL	16.29
Galvanized - No. 508R			
1/2"	3/8"	12GAEXCL	1.92
3/4"	3/8"	34GAEXCL	2.31
1"	3/8"	1GAEXCL	2.36
1 1/4"	3/8"	114GAEXCL	2.87
1 1/2"	3/8"	112GAEXCL	3.36
2"	3/8"	2GAEXCL	4.44
2 1/2"	1/2"	212GAEXCL	10.18
3"	1/2"	3GAEXCL	10.44
4"	1/2"	4GAEXCL	19.80
Copper Plated - No. 512H			
1/2"	3/8"	12COEXCL	2.15
3/4"	3/8"	34COEXCL	2.44
1"	3/8"	1COEXCL	2.51
1 1/4"	3/8"	114COEXCL	2.77
1 1/2"	3/8"	112COEXCL	3.26
2"	3/8"	2COEXCL	3.98
2 1/2"	1/2"	212COEXCL	6.85
3"	1/2"	3COEXCL	12.85
4"	1/2"	4COEXCL	17.93



Stainless Steel Extension Split Clamp

3/8" Bolt Thread

SIZE	ROD SIZE	STOCK NO	EACH
Stainless Steel #304 - No. 510R			
1/2"	3/8"	12SSEXCL	10.41
3/4"	3/8"	34SSEXCL	13.77
1"	3/8"	1SSEXCL	14.96
1 1/4"	3/8"	114SSEXCL	16.36
1 1/2"	3/8"	112SSEXCL	19.80
2"	3/8"	2SSEXCL	24.83

(02)

Sleeve Clips

Designed to fasten sleeves to floor and wall forms prior to pouring concrete.

For Pipe

STOCK NO	EACH
BE58	2.11

(02)

Conduit and Pipe Hangers

SIZE	STOCK NO	EACH
3/8 - 1/2"	120PIHA	1.43
3/4"	341PIHA	1.54
1"	12PIHA	1.73
1 1/4"	1143PIHA	2.11
1 1/2"	1124PIHA	2.78
2"	25PIHA	3.21



Riser Clamp

Low Carbon Steel

SIZE	STOCK NO	EACH
Plain - No. 550		
1/2-3/4"	34RICL	5.53
1"	1RICL	5.46
1 1/4"	114RICL	6.31
1 1/2"	112RICL	6.31
2"	2RICL	6.36
2 1/2"	212RICL	8.43
3"	3RICL	9.17
4"	4RICL	11.34
5"	5RICL	15.99
6"	6RICL	18.10
8"	8RICL	33.45
10"	10RICL	45.95
12"	120RICL	72.39
14"	140RICL	194.09
16"	160RICL	436.86
Copper Plated - No. 552		
1/2"	12CORICL	8.99
3/4"	34CORICL	8.99
1"	1CORICL	11.33
1 1/4"	114CORICL	11.70
1 1/2"	112CORICL	14.26
2"	2CORICL	15.07
2 1/2"	212CORICL	17.69
3"	3CORICL	20.30
4"	4CORICL	27.50
Galvanized - No. 551		
1/2"	12GARICL	6.80
3/4"	34GARICL	6.80
1"	1GARICL	10.91
1 1/2"	112GARICL	13.95
2"	2GARICL	14.61
2 1/2"	212GARICL	14.96
3"	3GARICL	16.48
4"	4GARICL	22.50
5"	5GARICL	28.04
6"	6GARICL	34.45
8"	8GARICL	60.16
10"	10GARICL	93.70
12"	120GARICL	124.32
Stainless Steel - No. 550		
3/4"	34SSRICL	23.60
1"	1SSRICL	23.83
1 1/4"	114SSRICL	25.47
1 1/2"	112SSRICL	25.99
2"	2SSRICL	26.06
2 1/2"	212SSRICL	34.71
3"	3SSRICL	35.83
4"	4SSRICL	41.96



50SA Short Ear Riser Clamp

Plain Carbon Steel

SIZE	BOLT SIZE	STOCK NO	EACH
3/4"	5/16"	34SERICL	9.41
1"	5/16"	1SERICL	9.41
1 1/4"	5/16"	114SERICL	9.41
1 1/2"	5/16"	112SERICL	6.21
2"	5/16"	2SERICL	5.36
2 1/2"	3/8"	212SERICL	9.21
3"	3/8"	3SERICL	8.00
4"	1/2"	4SERICL	9.95
5"	1/2"	5SERICL	13.65
6"	1/2"	6SERICL	15.01



Swivel Ring Hanger

For N.F.P.A. Reduced Rod Sizes

PIPE SIZE	ROD SIZE	STOCK NO	EACH
No. 141 — Plain			
1/2"	3/8"	12SWRIHA	1.03
3/4"	3/8"	34SWRIHA	1.03
1"	3/8"	1SWRIHA	1.03
1 1/4"	3/8"	114SWRIHA	1.08
1 1/2"	3/8"	112SWRIHA	1.10
2"	3/8"	2SWRIHA	1.18
2 1/2"	3/8"	212SWRIHA	1.98
3"	3/8"	3SWRIHA	2.10
3 1/2"	3/8"	312SWRIHA	2.28
4"	3/8"	4SWRIHA	2.49
5"	1/2"	5SWRIHA	4.82
6"	1/2"	6SWRIHA	6.00
8"	1/2"	8SWRIHA	8.80
No. 152 — Copper Plated			
1/2"	3/8"	12COSWRIHA	1.36
3/4"	3/8"	34COSWRIHA	1.39
1"	3/8"	1COSWRIHA	1.41
1 1/4"	3/8"	114COSWRIHA	1.54
1 1/2"	3/8"	112COSWRIHA	1.67
2"	3/8"	2COSWRIHA	1.77
2 1/2"	3/8"	212COSWRIHA	2.49
3"	3/8"	3COSWRIHA	3.33
4"	3/8"	4COSWRIHA	4.28
5"	1/2"	5COSWRIHA	23.49
No. 180 — Stainless Steel			
1/2"	3/8"	12SSSWRIHA	7.95
3/4"	3/8"	34SSSWRIHA	8.41
1"	3/8"	1SSSWRIHA	8.64
1 1/4"	3/8"	114SSSWRIHA	9.36
1 1/2"	3/8"	112SSSWRIHA	10.29
2"	3/8"	2SSSWRIHA	11.23
2 1/2"	1/2"	212SSSWRIHA	17.50
3"	1/2"	3SSSWRIHA	17.73
4"	1/2"	4SSSWRIHA	22.49



Adjustable Swivel Ring Hanger

For N.F.P.A. Reduced Rod Sizes

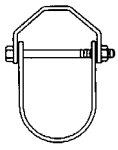
PIPE SIZE	STOCK NO	EACH
No. CT-69 — Copper		
1/2"—1 1/4"	12114COSWRIHA	2.18



SuperFix Split Ring Hanger

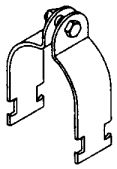
Caddy SuperFix 454

IP SIZE	CT GALV SIZE	STOCK NO	EACH
3/8"	1/2"	454002	2.70
1/2"	3/4"	454004	2.91
3/4"	1"	454005	3.10
1"	1 1/4"	454006	3.25
1 1/4"	1 1/2"	454007	4.04
1 1/2"	—	454008	5.05
—	2"	454009	5.47
2"	—	454010	6.82
—	2 1/2"	454011	7.02
2 1/2"	—	454012	13.97
—	3"	454013	16.93
3 1/2"	—	454016	21.49
4"	—	454017	22.35



Clevis Hanger
Low Carbon Steel

SIZE	STOCK NO	EACH
Standard Weight - No. 450		
¾"	34CLHA	2.10
1"	1CLHA	2.24
1¼"	114CLHA	2.43
1½"	112CLHA	2.50
2"	2CLHA	2.69
2½"	212CLHA	4.30
3"	3CLHA	4.70
3½"	312CLHA	6.19
4"	4CLHA	6.17
5"	5CLHA	9.36
6"	6CLHA	12.52
8"	8CLHA	19.40
10"	10CLHA	36.55
12"	120CLHA	44.58
14"	140CLHA	111.05
16"	160CLHA	171.84
Light Weight - No. 440		
½"	12LDCLHA	1.44
¾"	34LDCLHA	1.62
1½"	112LDCLHA	2.03
2"	2LDCLHA	2.24
2½"	212LDCLHA	3.78
3"	3LDCLHA	4.16
Copper Plated - No. 442		
½"	12COCLHA	2.25
¾"	34COCLHA	2.44
1"	1COCLHA	2.52
1¼"	114COCLHA	2.77
1½"	112COCLHA	2.83
2"	2COCLHA	3.24
3"	3COCLHA	6.93
4"	4COCLHA	7.72
Galvanized - No. 451		
½"	12GACLHA	2.31
¾"	34GACLHA	1.80
1"	1GACLHA	2.50
1¼"	114GACLHA	2.72
1½"	112GACLHA	2.95
2"	2GACLHA	3.17
2½"	212GACLHA	5.88
3"	3GACLHA	6.02
4"	4GACLHA	7.49
5"	5GACLHA	12.10
6"	6GACLHA	14.62
8"	8GACLHA	24.22
10"	10GACLHA	44.08
12"	120GACLHA	44.08
14"	140GACLHA	152.50
16"	160GACLHA	245.07
Stainless Steel - No. 425		
2"	2SSCLHA	9.93
2½"	212SSCLHA	15.67
3"	3SSCLHA	16.55
4"	4SSCLHA	23.65
5"	5SSCLHA	43.71
6"	6SSCLHA	56.25
Standard Epoxy		
½" - ¾"	1234EPCLHA	1.92
1"	1EPCLHA	2.10
1¼"	114EPCLHA	2.39
1½"	112EPCLHA	2.57
2"	2EPCLHA	3.21
2½"	212EPCLHA	5.01
3"	3EPCLHA	5.75
3½"	312EPCLHA	6.55
4"	4EPCLHA	6.93
5"	5EPCLHA	11.37
6"	6EPCLHA	14.76
8"	8EPCLHA	22.71
10"	10EPCLHA	45.40
12"	12EPCLHA	50.02



(14a)
Pipe Clamps
For Rigid Steel Conduit, with Slotted Hex Head Screw
No Nut Required, Zinc-Plated

SIZE	STOCK NO	EACH
½"	12RIGD	1.71
¾"	34RIGD	1.53
1"	1RIGD	2.39
1¼"	114RIGD	2.42
1½"	112RIGD	2.73
2"	2RIGD	3.55
2½"	212RIGD	3.69
3"	3RIGD	4.63
4"	4RIGD	5.46
5"	5RIGD	7.42
6"	6RIGD	9.18
Stainless Steel - No. 2011		
½"	12SSRIGD	4.28
¾"	34SSRIGD	5.00
1"	1SSRIGD	5.72
1¼"	114SSRIGD	6.36
1½"	112SSRIGD	9.57
2"	2SSRIGD	8.72
2½"	212SSRIGD	12.85
3"	3SSRIGD	13.73
4"	4SSRIGD	18.13

Copper Plated Tubing Clamps

NOMINAL	STOCK NO	EACH
⅜"	38COTUCL	1.65
½"	12COTUCL	1.65
¾"	34COTUCL	1.85
1"	1COTUCL	2.02
1¼"	114COTUCL	2.27
1½"	112COTUCL	2.44
2"	2COTUCL	2.96
2½"	212COTUCL	4.49
3"	3COTUCL	4.49
4"	4COTUCL	6.42

(14)
Galvanized U - Bolt

SIZE	STOCK NO	EACH
Standard with 4 Hex nuts - No 91		
½"	12GAUBO	1.44
¾"	34GAUBO	1.51
1"	1GAUBO	1.62
1¼"	114GAUBO	2.41
1½"	112GAUBO	2.46
2"	2GAUBO	2.77
2½"	212GAUBO	6.13
3"	3GAUBO	6.64
4"	4GAUBO	7.13
5"	5GAUBO	8.18
6"	6GAUBO	15.36



(14a)
Galvanized V-Channel
Designed for the support of plastic or other flexible pipe systems. Use with V-Bottom clevis hanger.

SIZE	STOCK NO	EACH
10' (½"-2")	1VCHANNEL	64.02
10' (2½"-4")	2VCHANNEL	112.01

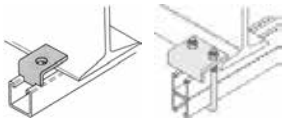
(02)
Sioux Chief Stud Guard
1½" x 6" with nail holes. For metal studs.

STOCK NO	EACH
SC5306M	.81



(02)
Sioux Chief Self-Nailing Boca Plate
16ga, 2 self-nailing tabs, 1 nail hole

STOCK NO	EACH
3X5NAPL	1.30
5X8NAPL	4.02



(14)
Beam Clamp

STOCK NO	EACH
No. 7040 (BC20)	
7040BECL	3.03
No. 7070 • 1⅝"	
7070BECL	6.52



Center Load Beam Clamp
Malleable iron, PHD #630

SIZE	STOCK NO	EACH
⅜"	38CLBC	34.12



Hanger Extension Piece
Malleable iron, PHD #25

SIZE	STOCK NO	EACH
⅜"	38HEXP	2.92

Caddy Slick Strut Nut

COPPER	STOCK NO	EACH
⅜"	SLICK375	3.33
½"	SLICK500	3.33

Caddy TSM Tubing Channel Clips
Fits standard 1⅝" strut channel.

COPPER	IPS	STOCK NO	EACH
½"		TSM0062	4.24
¾"	½"	TSM0087	5.49
1"	¾"	TSM0112	6.70
1½"	1"	TSM0137	7.42

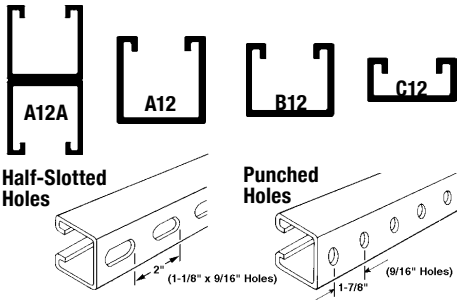


(14c)
Galvanized V-Bottom Clevis Hangers
V Bottom Clevis Hanger are designed for the suspension of flexible plastic pipe lines. Used in conjunction with V-Channel.

SIZE	STOCK NO	EACH
½"-2"	1VCLHA	4.03
2½"-4"	2VCLHA	8.75

Pipe Hangers

empireindustries.com



eaton.com

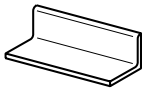
(14A)

Metal Framing - 12 Gauge

DESCRIPTION	STOCK NO	PER FOOT
A12A 1⅝" x 3¼"		
20' Green, welded back-to-back		
Half-Slotted holes	*A12A20GR*	*20.25*
20' Galvanized, welded back-to-back		
Half-Slotted holes	*A12A20GA*	*16.79*
A12 1⅝" x 1⅝"		
20' Green		
No holes	*A12GR*	*6.30*
10' Green		
Punched holes	*A12P10GR*	*7.34*
20' Green		
Punched holes	*A12PGR*	*7.34*
20' Green		
Half-Slotted holes	*A12HSGR*	*6.30*
20' Galvanized		
Half-slotted holes	*A12HSGA*	*5.16*
20' Stainless Steel		
Half-slotted holes	*A12HSSS*	*24.75*
10' Green		
Half-slotted holes	*A12HS10GR*	*6.30*
10' Galvanized		
Half-slotted holes	*A12HS10GA*	*5.16*
B12 1⅝" x 1⅜"		
20' Green		
Half-slotted holes	*B12HSGR*	*7.34*
20' Galvanized		
Half-slotted holes	*B12HSGA*	*5.70*
C12 1⅝ x 13/16"		
20' Green		
No holes	*C12GR*	*5.55*
10' Galvanized		
Half-Slotted holes	*C12HS10GA*	*4.86*
10' Green		
Half-Slotted holes	*C12HS10GR*	*5.55*
20' Green		
Half-Slotted holes	*C12HSGR*	*5.55*
20' Galvanized		
Slotted holes	*C12HSGA*	*4.86*
20' Stainless Steel		
Slotted holes	*C12HSSS*	*31.50*

(02)

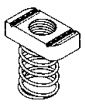
Angle Iron Metal Framing



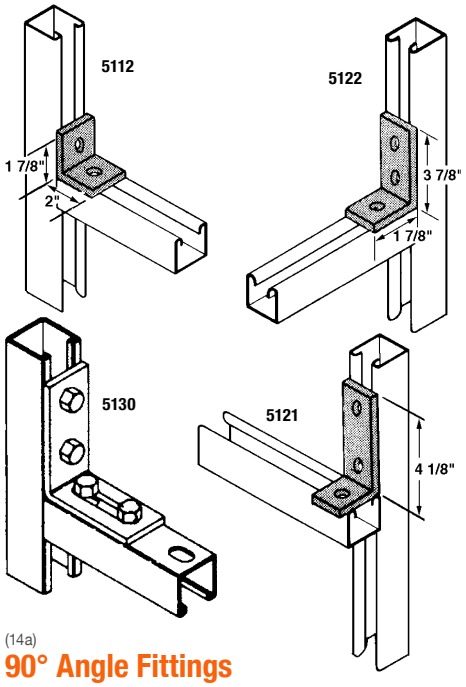
SIZE	STOCK NO	PER FOOT
2 x 2 x ¼" x 20'	*2X20ANIR*	*6.43*
3 x 3 x ¼" x 20'	*3X20ANIR*	*9.97*

(14a)

Nuts



SIZE	NO	STOCK NO	EACH
With Regular Spring			
¼"	*3104*	*14SPRA*	*.85*
⅜"	*3106*	*38SPRA*	*1.05*
½"	*3108*	*12SPRA*	*1.14*
⅝"	*3109*	*58SPRA*	*5.12*
Less Spring			
¼"	*3004*	*14NUWOSP*	*.80*
⅜"	*3006*	*38NUWOSP*	*.99*
½"	*3008*	*12NUWOSP*	*1.05*
⅝"	*3009*	*58NUWOSP*	*2.33*
¾"	*3010*	*34NUWOSP*	*2.64*



(14a)

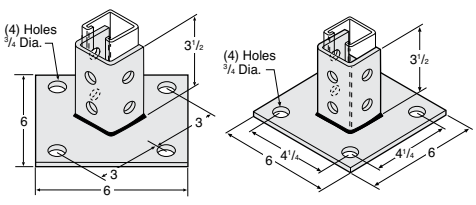
90° Angle Fittings

DESCRIPTION	STOCK NO	EACH
2-Hole	*5112*	*2.78*
3-Hole	*5122*	*6.51*
3-Hole	*5121*	*10.26*
4-Hole	*5130*	*6.59*

(14a)

45° Angle Connector

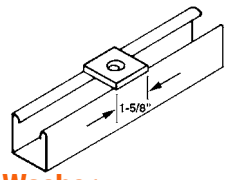
DESCRIPTION	STOCK NO	EACH
4-Hole	*5345*	*5.17*



(14a)

Post Base for 1⅝" Strut

DESCRIPTION	STOCK NO	EACH
4-Hole	*6020*	*33.64*
4-Hole	*6025*	*35.69*



(14C)

Square Channel Washer

SIZE	NO	STOCK NO	EACH
⅜"	*5001*	*38SQCHWA*	*1.14*
½"	*5002*	*12SQCHWA*	*1.14*
⅝"	*5003*	*58SQCHWA*	*1.14*
¾"	*5004*	*34SQCHWA*	*1.14*



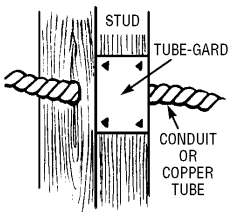
Combo Nut Washer

- Can be used in all channel sizes
- Hex nut to lock in place sold separately

Electrodeposited zinc finish - ASTM B633 SC1

THREAD SIZE	STOCK NO	EACH
½"	*BLNW525ZN*	*1.92*
⅜"	*BLNW528ZN*	*1.82*

See page 1040 for Hex Nuts



(02)

"Tube-Gard"

Nailing Plates

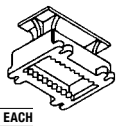
Hard steel plate with spurs for self-nailing to stud. Prevents nails or drills hitting conduit or copper. For plumbing, heating or electrical construction.

SIZE	STOCK NO	EACH
1½" x 3"	*112X3NAPL*	*.54*
1½" x 6"	*112X6NAPL*	*.81*
1½" x 18"	*112X18NAPL*	*2.75*
Same as above with 8 nail holes.		
1½" x 9"	*112X9NAPL*	*1.26*

Hangers, Pipe Supports and Brackets

cooperbline.com

(14a)
Plain Concrete Insert
Malleable iron



STOCK NO	EACH
PLCOIN	20.38



(14a)
Plain Concrete Insert
Malleable iron



SIZE	STOCK NO	EACH
3/8"	38INNU	6.61
1/2"	12INNU	6.61
5/8"	58INNU	6.61
3/4"	34INNU	9.86

(02)
Crete-Sleeve Plastic Hole Forms

SIZE	STOCK NO	EACH
1 1/2"	N3590500	5.36
2"	N2780500	6.63
3"	N2790500	8.04
4"	N2800500	10.72
5"	N2810500	12.12
6"	N2820500	14.67
8"	N2830500	28.07



(14a)
Cushion Clamps

OD SIZE	NO	STOCK NO	EACH
1/4"	2501	14CUCL	3.35
3/8"	2502	38CUCL	3.92
1/2"	2503	12CUCL	4.09
5/8"	2504	58CUCL	4.12
7/8"	2506	78CUCL	5.40
1 1/8"	2507	118CUCL	6.85
1 3/8"	2508	138CUCL	8.47
1 5/8"	2509	158CUCL	9.41
2 1/8"	2510	218CUCL	15.04
2 5/8"	2510	258CUCL	21.03
3 1/8"	2512	318CUCL	26.91

(14)
Roof Top BLOX Piping Support System
Includes clamping strap.



STOCK NO	EACH
RTB01	33.04

(14)
BLOX 1 1/2" Blox Height Extension
Includes (2) mounting screws.

STOCK NO	EACH
XTB02	17.77



MI15 MI3RAH7 MI255

(14)
MIRO Pipe Supports

PIPE SIZE	STOCK NO	EACH
Roof Top Pipe Support		
1 1/2"	MI15	16.78
Roof Top Roller Pipe Support - Adjustable up to 7"		
3"	MI3RAH7	46.05
Conduit Pipe Support - Adjustable from 2 1/2" - 7"		
Up to 3"	MI255	51.76

Sioux Chief (02)

siouxchief.com



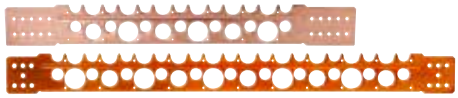
Stub Out Bracket
Copper-plated • 16 Gauge
Extruded models provide 4 times the soldering surface for extra strength.
521-118 - 1/2" CTS, 2" O.C. (8)
521-126 - 1/2" CTS, 2" O.C. (11)

SIZE	STOCK NO	EACH
1 1/4" x 20"	SC521118	7.01
1 1/4" x 26"	SC521126	10.54



20" Multi-Hole Bracket
With 1/2, 3/4, and 1" holes.

STOCK NO	EACH
SC521810	8.33



Secure-All
Copper-plated bracket • 18 Gauge
With 1/2, 3/4, and 1" holes.
Bracketing area on 521-851 is 14"
Bracketing area on 521-852 is 22"

SIZE	STOCK NO	EACH
2 x 20"	SC521851	7.68
2 3/8 x 26"	SC521852	9.37

(18)
SimpleStrap™ Stub Out Bracket Kit



1 Kit/Bag Includes:
1/2" CTS Straps with 20" Bracket and Nails.

STOCK NO	EACH
SC5252002PK2	4.27

(14)
7510-RT Rooftop Support Block



STRUT CHANNEL SIZE	STOCK NO	EACH
13/16" x 1 5/8"	7510RT7200Z	30.78



Chase Bracket
Copper-plated • 16 Gauge
Cradles copper water headers up to 3" diameter.
Includes 5" stainless steel band.

STOCK NO	EACH
SC521723	11.48



Carrier Bracket
Copper-plated • 16 Gauge
1" CTS Hole - Domestic. Washers included.

STOCK NO	EACH
SC521725	19.97



Power Bar
Universal Slider Bracket
1 Bracket, 6 drill-tip screws.

SIZE	STOCK NO	EACH
9-16" span	SC5231604	5.12



Lock Block
CTS Tube Clamp with screws

SIZE	STOCK NO	EACH
1/2"	SC525B2	1.93



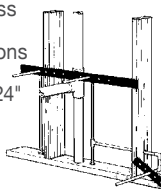
Strong Arm

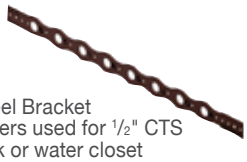
LOCK BLOCKS	SIZE	STOCK NO	EACH
For use with 16" stud bays			
1	1/2"	SC5251612	5.99
1	3/4"	SC5251613	6.41
1	1"	SC5251614	6.57
2	1/2"	SC5251622	7.45
For use with 24" stud bays			
1	1/2"	SC5252412	6.80
2	1/2"	SC5252422	8.26

For PexRite Brackets see page 1213

Copper Supports

- Unique copper-bonded process
- Heat the pipe, not the bracket
- Solutions for various applications
- Supports 1/2" to 1 1/4" CTS
- Designed for stud bays up to 24"

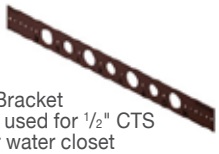




No. 100

- Copper-Bonded, Steel Bracket
- 5/8" holes on 2" Centers used for 1/2" CTS
- Ideal for lavatory/sink or water closet

SIZE	STOCK NO	EACH
20"	HO10018	4.18



No. 101

- Copper-Bonded, Steel Bracket
- 5/8" holes on 2" Centers used for 1/2" CTS
- Ideal for lavatory/sink or water closet

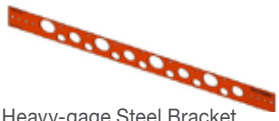
SIZE	STOCK NO	EACH
20"	HO10118	5.29
26"	HO10126	6.05



No. 102

- Copper-Bonded, Heavy-gage Steel Bracket
- Alternating 7/8" and 1 1/8" holes on 4" Centers
- Used for 3/4" and 1" CTS
- Ideal for water heater and relief lines

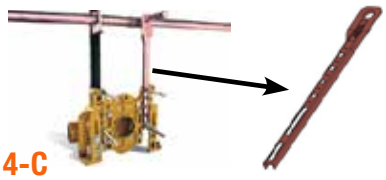
SIZE	STOCK NO	EACH
20"	HO10218	4.35
26"	HO10226	5.60



No. 107

- Copper-Bonded, Heavy-gage Steel Bracket
- Holes on 2" Centers for 1/2" CTS
- Holes on 4" Centers for 3/4" and 1" CTS
- Ideal for lavatory, toilet and water heater

SIZE	STOCK NO	EACH
20"	HO10718	4.84
26"	HO10726	8.01



No. 114-C

- Copper-Bonded, Heavy-gage Steel Bracket mounts directly to 4-bolt toilet carrier and positions flush valve at 11 1/2" above toilet
- Used for 1" flush valve support
- allows for rough-in prior to framing
- 4 1/2" offset center line rough-in

SIZE	STOCK NO	EACH
23 1/4" x 2 1/2"	HO114C	21.58

No. V-2



- Easy pre-fabrication
- Ideal for horizontal applications
- Mounts to waste/vent pipes or building stucture
- Copper-Bonded, heavy-gage steel bracket, supports 1/2" to 3" tubing with 250lb capacity
- Includes self-locking steel band and felt pad

STOCK NO	EACH
HOV2	17.54

No. 111-S



- Copper-Bonded, Steel Bracket mounts directly to waste/vent pipe
- Supports 1/2" tubing on 4", 6", 8" centers and 3/4" tubing on 4" and 8" centers
- Includes felt and steal clamp for attachment
- Horizontal or vertical support

SIZE	STOCK NO	EACH
20"	HO111S	13.49

No. 721



Galvanized
Bracket-Single-hole Plate

SIZE	STOCK NO	EACH
1/2"	HO721	3.98

Fixture Outlet Box & Escutcheon

NEW ITEM

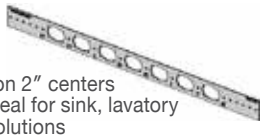


Each fixture box assembly includes a supply valve with a quarter-turn hand and threaded compression connection Protective debris cover included. Escutcheons, valve extension, and other accessories sold separately

SIZE	STOCK NO	EACH
3/8" PEX	HOHRFP1	17.67
3/8" PEX (Fire Rated)	HOHRFRP1	25.42
Chrome Trim Cover	HOHRFCH	4.98

PEXRITE Galvanized Bracket

No. 103



- 1-3/8" keyed holes on 2" centers
- Versatile bracket ideal for sink, lavatory & toilet plumbing solutions
- Integrates with PEXRITE No. 701 and No. 704 with patented connection and other HOLDRITE inserts

SIZE	STOCK NO	EACH
20"	HO10318	4.59

No. 701



- Compatible with PEX, Copper, and CPVC
- Tightens by hand, no tools required
- Secure fit prevents movement

STOCK NO	EACH
HO701	2.09

No. 704



- Can be installed to stud or No. 103 bracket
- Reduces in-wall fittings and concealed joints
- Provides 360-degree turning radius
- Compatible with all PEX tubing
- 4 1/16" x 5 1/2" Supports 3/8-1/2" tubing

STOCK NO	EACH
HO704	2.43

Telescoping Brackets

Telescoping galvanized steel design supports CPVC, Copper, and PEX tubing



Stout Brackets

- Numerous clamps and fittings integrate onto multiple sides of Stout Bracket for superior strength and versatility
- Ideal for lavatory, shower, toilet, vertical, horizontal and much more
- Includes 4 screws

SIZE	STOCK NO	EACH
10-18" span	HOSB1S	6.19
13-25" span	HOSB2S	7.28

Isolation Clamp



Variable-size clamp compatible with Copper, PEX, CPVC, Iron, and more.

SIZE	STOCK NO	EACH
Up to 1"	HO250	1.89
1" to 2"	HO280	6.21



No. SB3 & SB4

- Ideal for toilet, sink/lav., shower head, tub spout, vertical, mid-span, and much more
- Supports both 2-eared and 3-eared 90s
- Integrates with several HOLDRITE clamps and other industry components

SIZE	STOCK NO	EACH
10-18" span	HOSB3	4.68
15 1/4-25 1/2" span	HOSB4	6.52

ProGuard



Stub-Out Clamp Support

SIZE	STOCK NO	EACH
1/2" CTS	HO731	2.29
3/4" CTS	HO732	2.29

Turn-Out Support - For use with PEX Only

1/2" CTS	HO734	2.63

No. 117-K



No-Hub Retention
Strap Kit. 1/4 Bend

SIZE	STOCK NO	EACH
3"	HO1173K	94.43
4"	HO1174K	103.87
5"	HO1175K	113.31
6"	HO1176K	122.76
8"	HO1178K	132.20
10"	HO11710K	424.93
12"	HO11712K	478.89
15"	HO11715K	627.28

No. 117-L



No-Hub Retention Band.
Cast Iron. 1/8 Bend

SIZE	STOCK NO	EACH
4"	HO1174L	103.87
6"	HO1176L	122.76
8"	HO1178L	132.20
10"	HO11710L	424.93
12"	HO11712L	478.89

Hangers, Pipe Supports and Brackets

Sioux Chief (02)

siouxchief.com

Pipefix

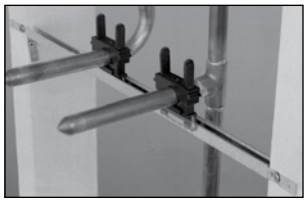
Each Pipefix assembly includes:
- (1) P552 stainless band
- (2) ½-¾" clamps
- attaching screws



STOCK NO	EACH
Standard Green	
PIFISU	11.48
Fire Retardant Red	
PIFISUFR	15.01

Universal Slider Bracket

16" adjustable pipe bracket and clamping system. Fast to install.



STOCK NO	EACH
5231624	6.94

Channel Clamp Set

For above

STOCK NO	EACH
5225501	1.21

Touchdown Tube Hangers



STOCK NO	EACH
1 base, 1 bridge and screw/bag	
SC55011	.90
100 Bases, bridges and screws - bulk	
SC55012	.67

Plenum Safe Touchdown II Pipe Supports



STOCK NO	EACH
E84 base and bridge and 2 screws/bag	
SC55020	3.91
E84: 1 bridge 1 base with strut clamp/Bag	
SC5502T	4.54

Power Bar

Includes 1 Bracket & Screws



STOCK NO	EACH
SC5232404	6.50

Power Bar

Includes 1 Bracket & 2 Clamps



STOCK NO	EACH
SC5232434	9.61

Totem Offset CTS Hanger

Stacked Offset



SIZE	STOCK NO	EACH
½ x ¾" CTS	SC552C23	.48
¾ x ¾" CTS	SC552C33	.52

Walraven (02)

walraven.com

BISMAT® Flash



- single screw clamp
- with BISMAT® Flash quick locking system
- clamp easy to close with one hand
- the locking screw can be secured without use of tools
- material: steel
- zinc plated
- noise insulating lining, EPDM rubber, black
- age resistant lining
- sound insulating lining according DIN 4109
- tested for fire safety
- Plenum rated - tested to ASTM E-84

For use with ⅜" Threaded Rod

IPS	NIRON (MM)	STOCK NO	EACH
½"	20 mm	CR3379023	3.72
¾"	25 mm	CR3379028	3.88
1"	32 mm	CR3379035	4.19
1¼"	40 mm	CR3379043	5.13
1½"	50 mm	CR3379051	5.49
2"	63 mm	CR3379063	6.03

W2000 Cushion Strut Clamp



- the new alternative to the Cushion Clamp
- one-piece design - no loose parts
- easier, faster, safer - installs with one hand
- 3-way screw head - Phillips, flat and hex
- unique design allows one clamp to fit multiple pipe sizes
- W Series Clamps are boxed for easy handling - no more bags
- material: steel 1.0242
- surface treatment: high grade Zn-Mg based coating (600 hours salt spray)
- black EPDM rubber lining protects against galvanic corrosion
- noise/vibration insulating lining
- age resistant lining

IPS	NIRON (MM)	STOCK NO	EACH
½"	20 mm	2025012	2.23
¾"	25 mm	2025014	2.53
1"	32 mm	2025016	4.22
1¼"	40 mm	2025020	5.18
1½"	50 mm	2025022	5.49
2"	63 mm	2025026	6.27

BIS Heavy Duty Clamp HD1501

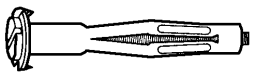


- wo-part clamp with two locking bolts
- up to and including 5": locking nut is captive
- heavy design
- bolts secured with anti-loss washer
- with CO2 welded connection nut
- material: steel
- surface protection:
  - product is part of the BIS UltraProtect® 1000 system
  - suitable for in and outdoor applications
- noise insulating lining, EPDM rubber, black
- also available: noise insulating lining of silicone rubber (reddish brown), heat resistant up to +395 °F (A 35 15)
- age resistant lining
- sound insulating lining according DIN 4109
- noise reduction according to ISO 3822-1 up to 18 dB(A)
- tested for fire safety

For use with ½" & ⅜" Threaded Rod

IPS	NIRON (MM)	STOCK NO	EACH
¾"	25 mm	33178029	14.22
1"	32 mm	33178035	18.31
1¼"	40 mm	33178045	16.43
1½"	50 mm	33178051	16.94
2"	63 mm	33178064	18.40
2½"	75 mm	33178078	17.75
3"	90 mm	33178092	17.98
4" IPS ONLY	--	33178116	21.75
4" Niron	125 mm	33178133	25.87
6"	160 mm	33178169	40.82
--	200 mm	33178204	45.88
--	250 mm	33178250	47.20
12"	315 mm	33178325	73.21

Rawl Screw Anchors



With Wall Installation, 50 per Box

BOLT SIZE	QUANTITY PER BOX	STOCK NO	EACH
1/4"-20	50	14SRASCAN	1.45

Rawl Toggle Bolts



BOLT	STOCK NO	EACH
Spring-Wing Type		
1/8 x 4	18X4RATOBO	.41
3/16 x 3	316X3RATOBO	.40
1/4 x 3	14X3RATOBO	.48
1/4 x 4	14X4RATOBO	.58
1/4 x 6	14X6RATOBO	.84
3/8 x 4	38X4RATOBO	1.33
3/8 x 6	38X6RATOBO	1.96
Wing Only		
3/8"	38RATOWI	.99

Rawl Expansive Screw Anchors



Less Bolts

SCREW SIZE	HOLE SIZE DIAXDEPTH	STOCK NO	EACH
10-24	3/8 x 5/8"	1024RASCAN	.47
1/4"-20	1/2 x 7/8"	1420RASCAN	.59
3/8"-16	3/4 x 1 1/4"	3816RASCAN	1.58
1/2"-13	7/8 x 1 1/2"	1213RASCAN	3.13
Tool for Drop-In Bolt Anchor			
3/8"		38RAANTO	4.72
1/2"		12RAANTO	7.07
5/8"		58RAANTO	11.81
3/4"		34RAANTO	16.51

Flanged Drop-In (Lipped) Anchors



NO	SIZE	STOCK NO	EACH
6324	1/4"	14RADRINANL	.51
6326	3/8"	38RADRINANL	.67
6328	1/2"	12RADRINANL	1.17
Tool for Drop-In Bolt Anchor			
3/8"		38RAANTO	4.72
1/2"		12RAANTO	7.07
5/8"		58RAANTO	11.81
3/4"		34RAANTO	16.51

Rawl Pipe Spike



BOLT	STOCK NO	EACH
3/8"	38RAPISP	1.26

Snake Plus Screw Anchor



Internally Threaded Self-Tapping Anchor

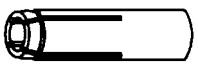
DESCRIPTION	STOCK NO	EACH
3/8"	PO6401SD	1.36
1/2"	PO6403SD	4.36

Snake Plus Setting Tool



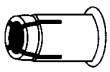
DESCRIPTION	STOCK NO	EACH
3/8"	PO6407SD	14.09
1/2"	PO6404SD	22.44

Rawl Drop-In Bolt Anchor



BOLT	STOCK NO	EACH
Steel		
3/8"	38RADRINAN	.53
1/2"	12RADRINAN	.92
5/8"	58RADRINAN	2.05
3/4"	34RADRINAN	4.36
Hollow		
3/8"	38RADRINANH	4.42
1/2"	12RADRINANH	6.84
Tool for Drop-In Bolt Anchor		
3/8"	38RAANTO	4.72
1/2"	12RAANTO	7.07
5/8"	58RAANTO	11.81
3/4"	34RAANTO	16.51

Rawl Mini Drop-In Anchor



For shallow embedment. Carbon steel.

BOLT	STOCK NO	EACH
3/8"	38RAMIDRINAN	.55
Tool for Mini Drop-In Anchor		
3/8"	38RAMIANTO	8.03

Rawl Double Heavy Duty Bolt Anchor



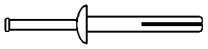
BOLT	STOCK NO	EACH
3/8"	38RAHDBOAN	1.86

Rawl Stud Anchor



BOLT	STOCK NO	EACH
1/4 x 3 1/4"	14X314RASTAN	.50
3/8 x 2 1/4"	38X214RASTAN	.71
3/8 x 2 3/4"	38X234RASTAN	.76
3/8 x 3"	38X3RASTAN	.79
3/8 x 3 3/4"	38X334RASTAN	.94
1/2 x 2 3/4"	12X234RASTAN	1.20
1/2 x 3 3/4"	12X334RASTAN	1.33

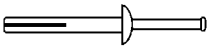
Rawl Nylon Nailins



Lightweight Nail Drive Anchors, Mushroon Head

BOLT	STOCK NO	EACH
1/4 x 1	14X1RANYNA	.26

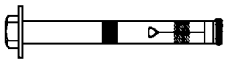
Rawl Zamac Nailins



One-Piece Nail Drive Anchors, Mushroom Head

BOLT	STOCK NO	EACH
1/4 x 1"	14X1RAZANA	.23
1/4 x 1 1/4"	14X114RAZANA	.24
1/4 x 1 1/2"	14X112RAZANA	.28
1/4 x 2"	14X2RAZANA	.35

Rawl-Bolt-U/L Listed



BOLT	STOCK NO	EACH
3/8 x 2 1/4"	38X214RAULBO	4.34
1/2 x 2 3/4"	12X234RAULBO	6.07
1/2 x 3 3/4"	12X334RAULBO	6.64

Bantam Plugs



Light Duty Plastic Screw Anchors

BOLT	STOCK NO	EACH
8-10 x 7/8"	810SCAN	.06
10-12 x 1"	12SCAN	.06

Sioux Chief Red Expander Anchor Kit

100 Rawlplug anchors & screws plus 1 drill bit.

BOLT	STOCK NO	EACH
10 x 1"	100RASCANKI	15.74

Screws and Fasteners (02)

powers.com

Vertigo Rod Hanger Fastening System

- Anchoring onto concrete, wood, and metal substrates
- Suitable for solid base materials
- One piece self-tapping screw style mechanical anchor (concrete)
- One piece self-drilling screw style mechanical anchor (wood and steel)
- Two head configurations for vertical and side mounting
- Zinc plated carbon steel
- Proven diaphragm design
- Tough gloss finish
- Outstanding value

Vertical Hangers

Wood



Self drilling and threading in wood for hanging pipe. 3/8" rod.

DESCRIPTION	STOCK NO	EACH
1" for pipe 1/2"—1"	PO7203	1.21
2" for pipe 2 1/2" and smaller	PO7165	1.12
3" for pipe 3"—4"	PO7167	1.35

7173 Concrete



For use in concrete. Predrilling required. 3/8" rod.

STOCK NO	EACH
PO7173	1.62

Steel

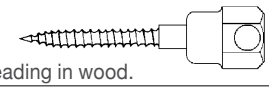


Self drilling and tapping in steel up to 3/16" thick. 3/8" rod.

DESCRIPTION	STOCK NO	EACH
1"	PO7158	1.30
2"	PO7157	1.59

Side Hangers

7170 Wood



Self drilling and threading in wood.

SIZE	STOCK NO	EACH
3/8" rod	PO7170	1.35

Screws & Bolts

buildingfasteners.com

(14B)

Steel Wood Screws

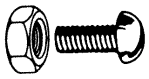


Flat Head Phillips - Bright

SIZE	STOCK NO	EACH
1 1/2"	11212WOSC	.39
2"	212WOSC	.37

(14B)

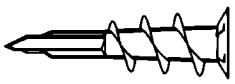
Stove Bolts



1/4" Diameter

LENGTH	STOCK NO	EACH
1/2"	14X12STBO	.23
3/4"	14X34STBO	.14
1"	14X1STBO	.35
1 1/4"	14X114STBO	.39
1 1/2"	14X112STBO	.15

ZIP-IT with Screws



NO	SIZE	STOCK NO	EACH
Zinc			
2349	3/8"-1"	381RAZITZ	.52
Nylon			
2348	3/8"-1"	381RAZITN	.55

(14B)

Sheet Metal Screws



LENGTH	STOCK NO	EACH
Pan Head		
1 1/2"	11210SMSC	.08
2"	212SMSC	.24
Hex Head		
1"	110HHSMSC	.16
Phillips		
3/4"	3410SMSC	.06

Sammy Hangers

norfastinc.com

Sammy Xpress

Installation Tool Includes Sleeve, Bit Receiver, Hex Wrench, and 25/64" Drill Bit.

STOCK NO	EACH
UXPIT	528.81

Sammy X-Press



Expands to provide direct vertical attachment in light gauge steel deck or purlin

SIZE	STOCK NO	EACH
3/8"	XP20	11.54

Metal Screws & Rivets

malcoproducts.com

Malco "Zip-in" Self-Drilling Screws



NO. SIZE	PACK QTY.	STOCK NO	EACH
#8 1/2"	12,000 Pack	HW812Z12M	597.23
#8 1"	7000 Pack	HW81Z7M	560.49
#7 1/2"	1000 Pack	HW712Z	50.11
#8 1/2"	1000 Pack	HW812Z	53.91
#8 3/4"	1000 Pack	HW834Z	70.08
#8 1"	500 Pack	HW81Z	44.17
#10 1"	500 Pack	HW101Z	55.98
#8 1 1/2"	250 Pack	HW8112Z	30.46
#8 2"	250 Pack	HW82Z	40.81
#8 1/2"	100 Pack	HW8X12Z1C	8.21
#12 2"	25 Pack	HW12225PK	11.95

Zip-In® Screws in a Pail



NO. PER PAIL	STOCK NO	EACH
7,500 Pack	HW712ZP	366.43
7,000 Pack	HW812ZP	372.09

Malco "Bit-Tip"



Hex Washer Head Type

Drills its own hole, taps a matching thread and fastens in steel up to .220 thick in less time than it takes to drill a pilot hole for other fasteners.

BOLT	STOCK NO	EACH
# 8 - 500 Pack		
3/4" (Slotted)	MABT233T	68.42
1"	MABT134T	70.19
# 8 - 1000 Pack		
1/2" (Slotted)	MABT231T	101.53
# 10 - 500 Pack		
1/2"	MABT141T	62.22
3/4"	MABT143T	66.74
1"	MABT144T	92.60
# 10 - 7000 Pack		
3/4"	MABT143	899.06

Blind Rivets

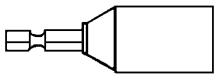


1000 Per Pack

SIZE	STOCK NO	EACH
1/8 x .232"	SS42DT	70.34
1/8 x .357"	SS44DT	76.87

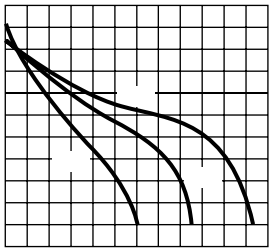
Installation Tools

Nut Driver



DESCRIPTION	STOCK NO	EACH
For Wood		
Red w/spin off feature	PFM2201150	14.82
For Concrete		
Blue with 3/16" hole	PO7197	13.68
For Steel		
Silver	PFM2201200	25.95





HN Series
Self Priming Shallow Well Jet Pumps

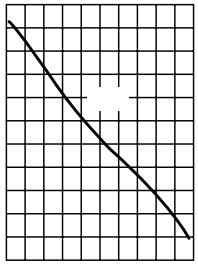
- HN models provide superior performance with more pressure for wells to 25' deep.
- Self-priming after the priming chamber has been filled with water.
- Cast iron body.
- Built-in jet.
- Square-D pressure switch factory set at 30-50 psi for higher pressure.
- HNC, HND, HNE models have 1¼" suction & 1" discharge pipe tapping sizes

STOCK NO	PRICE
HNC	*873.34*
HND	*1149.70*
HNE	*1275.98*

HN SERIES Pump Performance GPM

Model	HP	Discharge Pressure	Pumping Depth in Feet 5	10	15	20	25	Shut Off Pressure (PSI)
HNC	1/2	30	15.0	13.0	11.6	8.7	6.9	70
		40	12.5	11.4	10.1	8.2	6.8	
		50	8.0	6.8	6.1	4.8	3.5	
HND	3/4	30	21.4	19.1	16.5	13.3	9.5	67
		40	20.8	18.7	15.8	13.2	9.3	
		50	13.5	11.6	10.1	7.4	2.4	
HNE	1	30	28.5	25.0	21.4	17.4	12.6	67
		40	28.3	24.4	21.0	17.2	12.3	
		50	21.5	18.3	10.9	3.1	1.6	





SNC Series
Shallow Well Jet Pumps

- SNC models provide excellent performance with good pressure for wells to 25' deep.
- Close-grained cast iron body.
- Built-in jet.
- SNC model features 30-50 switch and 1¼" suction, 1" discharge pipe tapping sizes.

STOCK NO	PRICE
SNC	*930.20*

SNC SERIES Pump Performance GPM

Model	HP	Discharge Pressure	Pumping Depth in Feet 5	10	15	20	25
SNC	1/2	30	9.7	8.3	7.8	5.9	4.3
		40	7.9	7.2	6.4	5.6	4.1
		50	4.5	3.8	3.1	2.7	1.8

SSJ Design Series
Vertical Single Stage
Deep Well Jet Pumps



SSJ deep well jet pumps feature over-the-wall "bolt-on" capability with a special casing adapter for 2" and 3" single pipe installations. A J216-26 adapter flange adapts all double pipe, installations and offset single pipe applications to the SSJ bolt-jet pump. The SSJ includes automatic pressure regulator, pressure gauge and pressure switch.

STOCK NO	PRICE
SSJD	*1304.40*

Pump Performance GPM

Model	HP	Jet No	Pumping Depth in Feet 30	40	50	60	70	80	90	100	110
2" SINGLE PIPE JETS (40 PSI)											
SSJD	3/4	9AP	10.6	7.4	4.7	2.3	----	----	----	----	----
		8AP	5.0	4.7	4.2	3.8	3.3	2.7	2.3	1.8	1.3
4" DOUBLE PIPE JETS (40 PSI)											
*SSJD	3/4	CK-1	8.3	7.4	6.3	5.3	3.8	3.5	2.6	1.8	1.0

*Use flange adapter J216-26

HL Design Series
Self-Priming Convertible
Jet Pumps



HL pumps feature a proven self-priming , suction-over-drivepiping configuration. The same convertible jet can be attached to pump for use on shallow well installation, or be utilized in 4" or larger wells as a double pipe deep well jet. One-piece cast-iron pump body and base. Built-in pressure regulator. Pressure gauge. Square D 30-50 pressure switch.

STOCK NO	PRICE
HLC	*1104.08*
HLD	*1401.79*
HLE	*1194.70*

Pump Performance GPM

Model	HP	Jet No	SHALLOW WELL (15' Suction Lift) Discharge Pressure PSI 20'	30'	40'	50'	60'	70'
HCL	1/2	129SD	8.1	7.9	7.8	5.8	2.8	----
HLD	3/4	CK-1	12.1	12.0	11.9	10.5	5.0	----

Model	HP	Jet No	DEEP WELL (40 PSI Discharge Pressure) Pumping Depth in Feet 20	30	40	50	60	70
HCL	1/2	54AP	7.4	6.3	5.2	3.9	2.5	2.0
HLD	3/4	10AP	10.5	10.0	8.1	6.2	----	----
HLE	1	54AP	6.0	5.3	4.8	4.2	4.1	3.7
		9AP	11.7	11.1	9.8	6.8	----	----
		8AP	6.7	5.8	5.3	4.7	4.5	4.1

SLD Series
Deep Well Jet Pump

3/4 HP

STOCK NO	PRICE
SLD	*1026.04*

MS Design Series Multi-Stage Vertical Deep Well Jet Pumps



MS deep well jet pumps feature over-the-wall "bolt-on" capability, with a special casing adapter for 2" and 3" single pipe installations, and adapter. Flanges for adapting all double pipe installations and offset single pipe applications to the MS bolt-on deep well jet pump. Suction and pressure connections are threaded for optional direct plumbing to the pump on double pipe and offset single pipe installations.

With automatic pressure regulator.

STOCK NO	PRICE
MSD	*1595.23*
MSE	*1639.13*

2" SINGLE PIPE JETS (40 PSI)														
Model	HP	Jet No	Pumping Depth in Feet											
			30	40	50	60	70	80	90	100	120	130	140	180
MSD	3/4	12AP	10.0	8.3	6.1	4.7	3.8	2.0	1.4	----	----	----	----	---
		8AP	5.5	5.4	5.2	5.0	4.4	4.3	4.1	3.7	2.4	2.1	1.4	---
MSE	1	12AP	12.1	11.3	11.2	10.0	8.8	7.6	6.5	5.6	1.8	----	----	---
		8AP	5.5	5.5	5.3	5.3	5.2	5.1	5.0	5.0	5.0	4.5	4.2	2.0

(34)

Pentek Intellidrive

Water Pressure Control Center



STOCK NO	PRICE
PID10	*1722.29*
PID20	*2088.69*
PID50	*3829.36*

Model Number	Motor Type	HP Range	Input Voltage	Max. Output Ampsa	Enlosure Type
PID10	*2-WIRE 1-PHASE	.5-1HP	190V-265V	9.5A	NEMA 3R Outdoor
	3-WIRE 1-PHASE			7.5A	
	3-PHASE			5A	
PID20	*2-WIRE 1-PHASE	.5-1.5HP		11A	
	3-WIRE 1-PHASE	.5-2HP		13.5A	
	3-PHASE			8.5A	
PID50	3-PHASE	.5-5HP		18A	

*Note: Will not work with Franklin or Grundfos 2-Wire Submersible Motors

Jet Packages

Shallow Well Package No. 1

Jet with attached check valve.
For all shallow well applications.
For use with SL, HL, HMS & SSJ Series pumps.

STOCK NO	EACH
CK1	*248.25*
127SD	*223.38*

2" Single Pipe Package No. 1

Jet with built-in check valve.
For all 2" single pipe deep well applications.

STOCK NO	EACH
8AP	*223.38*
9AP	*223.38*
10AP	*248.25*
54AP	*248.25*

4" Double Pipe Package No. 1

Jet only, ADD FOOT VALVE.
For all 4" double pipe applications.
For use with SL, HL & FL Series pumps.

/STOCK NO	EACH
54SD	*248.25*

Convertible Package No. 1

Jet with attached check valve.
For all 4" shallow well convertible applications.

STOCK NO	EACH
129SD	*248.25*

Casing Adapters

2" SSJ, MS Casing Adapter

For use with SSJ & MS Series pumps.

STOCK NO	EACH
J21621	*238.90*

2" Horizontal Casting Adapter

For use with Starite SI & HL Series pumps.

STOCK NO	EACH
J21644	*252.29*

1¼ x 1" Reversing Adapter

Converts suction over drive to drive over suction.

STOCK NO	EACH
PKG108	*202.24*

A.Y. McDonald Constant Pressure Control

Includes 4-20 mA transducer



STOCK NO	PRICE
SD12HP2	*1413.38*

Model Number	Motor Type	HP Range	Input Voltage	Rated Output Current	Enlosure Type
6619-019 SD1-2HP2	2-WIRE 1-PHASE 3-WIRE 1-PHASE	1/3 to 2HP	115V / 230V	16A	NEMA 3R Outdoor Rainproof

Reserved

Miscellaneous Pumps (00)

starite.com flotecpump.com

(32)
D Design Self-Priming Centrifugal Irrigation Pump



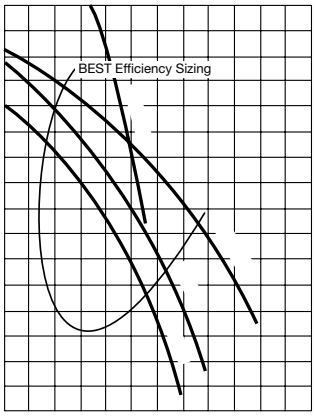
- Impeller - polycarbonate
- Diffuser - cast iron
- Body and base made of close-grained cast iron
- Shaft - carbon steel inside removable shaft sleeve of stainless steel

STOCK NO	EACH
DS2HF	1159.06
DS2HG	1564.61
DS2HHG	2651.81



2 HP • Single Phase • Self Priming

STOCK NO	EACH
DSS4HG	2414.14



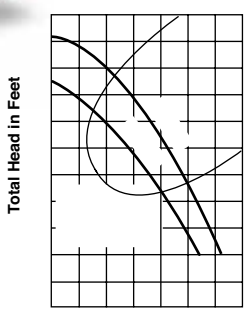


(32)
General Purpose Centrifugal Pump

- Body and base made of close-grained cast iron
- Impeller - Noryl®
- Working temperatures to 140°F
- Abrasion resistant for normal applications

STOCK NO	EACH
JHC	782.78
JHD	847.11

JH SERIES					
Units	HP	Suction	Discharge	Motor Voltage	Phase
JHC	½	1¼"	1"	115/230	1
JHD	¾	1¼"	1"	115/230	1

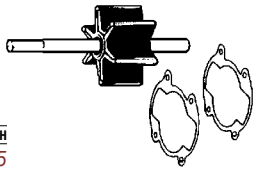


(32)
A.Y. McDonald Booster Pump

SIZE	STOCK NO	EACH
115v		
1/2 HP	17035R020PC1	1719.71
3/4 HP	17052R020PC1	1927.98
230v		
1 HP	17070R020PC2	2301.83
1 HP	17040C035PC2	2413.94
1 HP	17062C035PC2	2544.76
1 1/2 HP	17078C035PC2	2683.06



aybooosters.com



(51)
Paddle Assemblies

FOR PUMP	STOCK NO	EACH
SIBP20	SI53X	71.85



(51)
1/2 HP Transfer Pump

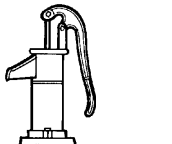
SWITCHING	HP	VOLTS	DESCRIPTION	STOCK NO	EACH
Manual	1/3	115	Transfer Pump	90000	1496.89



(51)
Liberty Portable Transfer Pump

Model 331

SIZE	STOCK NO	EACH
½ HP	LI331	411.08



(34)
Size 2 Cast Iron Pitcher Pump

For wells less than 25' deep.
To prevent freezing, raise handle to extreme height.
Suction 1¼" standard pipe tap.

STOCK NO	EACH
2IRPIPU	109.46

(34)
Monitor Force Pump Stand

For Windmill, Pump Jack or Hand Pump use.
These Force Pumps have a built-in surge chamber, adjustable strokes and multi-position cap.
Order (11HD) for siphon spout.

STOCK NO	EACH
11HD	1657.38



(24)
Grundfos SCALA2 Booster Pump

A fully integrated, self-priming, compact waterworks for pressure boosting in domestic applications with integrated speed control.

MODEL	CONNECTION (IN/OUT)	VOLT	LINE CORD	STOCK NO	EACH
98562818	1" NPT	115	YES	SCALA2	1949.40

Signature 2000 Design Series Stainless

4" Submersible Pumps Single Phase

The Signature 2000 pumps in 7 GPM Trimline™ models fit in narrower wells where a standard 4" submersible can't. The 7 GPM Pumps head to over 1,200 feet and capacities to 10 GPM. Signature 2000 pumps in 10, 15, 20 and 30 GPM have heads to over 1,000 feet and capacities to 45 GPM. These pumps deliver efficient, dependable performance even in rough, aggressive water. Built to deliver long-term, trouble-free service.

Features:

- **Shell** - Highest grade, heavy-walled corrosion-resistant stainless steel construction.
- **Discharge** - 300 grade stainless steel for durability in aggressive water. Threads to pump shell. Octagon-shaped to fit pipe wrench. Discharge 1¼" on 7, 10, 15 and 20 GPM and 2" on 30 GPM
- **Discharge Bearing** - Exclusive self-lubricating Nylatron® bearing resists wear from sand.
- **Intake** - Corrosion resistant 300 grade stainless steel for durability in aggressive water. Threads to pump shell.
- **Shaft** - Positive drive from hexagonal heavy-duty 300 grade stainless steel.
- **Check Valve** - Internal Flomatic® check valve spring-loaded check valve with anti-rotation lugs.
- **Pentek Motor** - 100% corrosion-resistant stainless steel construction.

Standard one year warranty
Extended five year warranty available.
Contact a Goodin Company representative for details.



PERFORMANCE (GALLONS PER MINUTE)

Model	HP	PSI	Pumping Depth in Feet 40	60	80	100	125	150	175	200	250	300	350
7P4C02HL	1/2	0		10.4	9.8	9.5	9.0	8.5	7.9	7.3	5.4		
		20	9.7	9.3	9.0	8.6	8.1	7.4	6.6	5.5	0.6		
		30	9.2	8.9	8.5	8.1	7.4	6.6	5.6	4.2			
		40	8.9	8.4	8.0	7.5	6.7	5.7	4.3	1.2			
		50	8.4	7.9	7.4	6.8	5.8	4.4	1.4				
		60	7.87	7.3	6.6	5.8	4.5	1.8					
7P4D02HL	3/4	0		10.8	10.4	10.0	9.6	9.3	8.9	8.5	7.6	6.4	4.6
		20	10.3	9.9	9.6	9.4	9.0	8.5	8.2	7.7	6.6	4.8	0.3
		30	9.8	9.5	9.3	9.0	8.5	8.2	7.7	7.3	5.8	3.5	
		40	9.5	9.3	9.0	8.6	8.3	7.8	7.3	6.6	5.0	0.7	
		50	9.2	8.9	8.5	8.3	7.6	7.3	6.6	6.0	3.7		
		60	8.8	8.5	8.2	7.8	7.4	6.7	6.0	5.0	1.1		
10P4C01H 10SP4C01H 10P4C02H 10SP4C02H	1/2	0		15.7	15.0	14.2	13.0	11.5	10.0	7.9	1.2		
		20	14.8	14.0	13.0	11.8	10.2	8.2	5.7	2.1			
		30	13.7	12.8	11.6	10.3	8.3	6.0	2.5				
		40	12.6	11.5	10.1	8.6	6.1	2.8					
		50	11.3	9.9	8.2	6.2	3.0						
		60	9.6	8.0	6.0	3.2							
10P4D02H 10SP4D02H	3/4	0			15.9	15.2	14.1	13.5	12.5	11.5	9.0	5.4	
		20	15.8	15.0	14.1	13.7	12.8	11.7	10.5	9.2	5.7		
		30	15.0	14.3	13.5	12.8	11.8	10.6	9.3	7.7	3.5		
		40	14.2	13.5	12.7	11.9	10.7	9.4	7.9	6.0			
		50	13.4	12.5	11.7	10.8	9.4	8.0	6.1	4.1			
		60	12.4	11.6	10.6	9.5	8.1	5.3	4.2				
10P4E02H 10SP4E02H	1	0				15.8	15.3	14.7	14.0	13.3	11.7	9.5	6.9
		20		15.7	15.3	14.8	14.2	13.4	12.6	11.8	9.8	7.2	3.8
		30	15.6	15.2	14.7	14.2	13.5	12.8	11.8	10.8	8.5	5.8	2.0
		40	15.1	14.6	14.1	13.5	12.9	11.9	10.9	9.8	7.4	4.2	
		50	14.5	14.0	13.4	12.9	11.9	10.9	9.9	8.8	5.9	2.2	
		60	13.9	13.3	12.8	12.0	11.0	10.0	8.8	7.5	4.5		
10P4F02H	1½	0						5.7	15.3	14.8	13.8	12.7	11.5
		20				15.8	15.4	14.9	14.4	14.9	12.8	11.6	10.3
		30			15.7	15.4	14.9	14.5	14.9	13.4	12.3	11.0	9.6
		40	16.0	15.6	15.3	15.0	14.5	14.0	13.5	12.9	11.7	10.4	8.9
		50	15.5	15.3	14.9	14.5	14.0	13.5	12.9	12.4	11.0	9.7	8.0
		60	15.2	14.8	14.4	14.0	13.5	13.0	12.4	11.7	10.5	9.0	7.3
20P4D02H	3/4	0	30.9	28.9	26.4	23.9	20.4	15.0	15.0				
		20	25.8	23.1	20.3	16.5	7.1						
		30	22.6	19.7	15.2	7.7							
		40	19.4	14.7	7.0								
		50	13.2	4.9									
		60											
20P4E02H	1	0	31.9	30.6	29.1	27.5	25.2	22.8	20.3	17.1	2.1		
		20	28.8	27.0	25.1	23.3	20.8	17.9	12.5	4.5			
		30	26.7	24.8	22.9	20.9	18.0	13.0	5.0				
		40	24.7	22.7	20.7	18.4	14.0	5.9					
		50	22.4	20.1	17.9	14.1	6.1						
		60	19.9	17.2	13.0	6.7							
20P4F02H	1½	0		31.6	30.4	29.3	27.7	25.9	24.2	22.2	18.0	8.9	
		20	30.2	29.0	27.6	26.2	24.5	22.7	20.6	18.5	10.1		
		30	28.8	27.4	26.0	24.7	22.8	20.9	18.7	15.3	3.0		
		40	27.2	25.8	24.3	22.9	21.0	18.8	15.4	11.2			
		50	25.7	24.1	22.7	21.1	18.9	15.5	11.5	5.0			
		60	23.9	22.3	20.9	19.1	16.1	9.5	5.5				

HP	STAGE	DESCRIPTION	STOCK NO	EACH
10 GPM				
½	7	2 Wire, 115 volt	10SP4C01H	996.92
		3 Wire, 115 volt	10P4C01H	1041.31
		*3 Wire, 230 volt	10P4C02H	702.57
		2 Wire, 230 volt	10SP4C02H	776.75
¾	8	* 3 Wire, 230 volt	10P4D02H	886.05
		2 Wire, 230 volt	10SP4D02H	888.30
1	10	* 3 Wire, 230 volt	10P4E02H	903.46
1½	14	*3 Wire, 230 volt	10P4F02H	1664.04
20 GPM				
¾	5	*3 Wire, 230 volt	20P4D02H	1253.45
1	7	*3 Wire, 230 volt	20P4E02H	1219.13
1½	9	*3 Wire, 230 volt	20P4F02H	1602.49

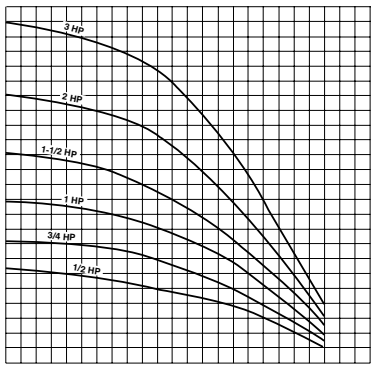
***3-wire - add control box (p. 1615).**
Two-wire motors are split phase designs with integral starting components and do not require a control box.

Pump Ends Only

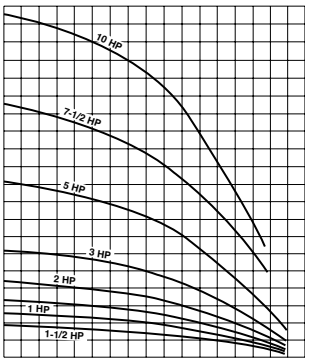
Less Motor

HP	STAGE	VOLT	GPH	STOCK NO	EACH
1½	17	230	10	L10P4FH	1249.48
1½	9	230	20	L20P4FH	946.65
1½	6	230	30	L30P4FH	1230.65
2	12	230	20	L20P4GH	1014.34
2	8	230	30	L30P4GH	1224.53
3	12	230	30	L30P4HH	1538.04
5	13	230	50	L50P4JH	1905.24

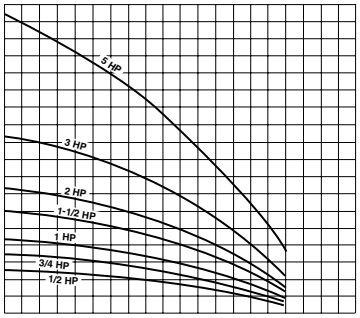
7 GPM



20 GPM



10 GPM



"J" Design Series

4" Submersible Pumps Single Phase

Precision-engineered, corrision-resistant pumps in 7, 10, 15, 20 and 30 GPM models deliver efficient, dependable performance even in rough, aggressive water. Heads to over 1150 feet and capacities to 45 GPM. Built to deliver long-term, trouble-free service.



Features:

- **Shell** - Highest grade, heavy-walled corrosion-resistant stainless steel.
- **Floating Stack Design** - For sand resistance and reduced sand locking.
- **Discharge -** Fiberglass-reinforced thermoplastic material for durability in aggressive water. Threads to pump shell. Octagon-shaped to fit pipe wrench. Discharge is 1¼" on all models.
- **Discharge Bearing** - Exclusive self-lubricating Nylatron bearing resists wear from sand.
- **Intake** - Fiberglass-reinforced thermoplastic material for durability in aggressive water. Threads to pump shell.
- **Shaft** - Positive drive from hexagonal heavy-duty stainless steel.
- **Check Valve** - Durable internal check valve.
- **Pentek Motor** - 100% corrosion-resistant stainless steel construction.

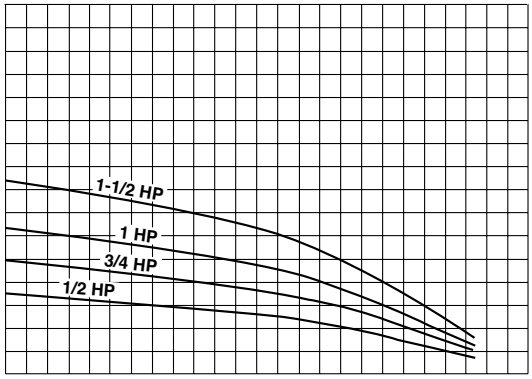
Standard one year warranty
Extended five year warranty available.
Contact a Goodin Company representative for details.

HP	STAGE	DISCHARGE	DESCRIPTION	STOCK NO	EACH
10 GPM					
½			*2 Wire, 115 volt*	*10SP4C01J*	*717.46*
½	6	1"	**3 Wire, 230 volt*	*10P4C02J*	*659.33*
			2 Wire, 230 volt	*10SP4C02J*	*717.46*
¾	18	1"	**3 Wire, 230 volt*	*10P4D02J*	*791.53*
			2 Wire, 230 volt	*10SP4D02J*	*875.95*
1	*10*	*1"*	**3 Wire, 230 volt*	*10P4E02J*	*1036.14*
			2 Wire, 230 volt	*10SP4E02J*	*1169.33*
20 GPM					
1	*7*	*1¼"*	**3 Wire, 230 volt*	*20P4E02J*	*1260.10*

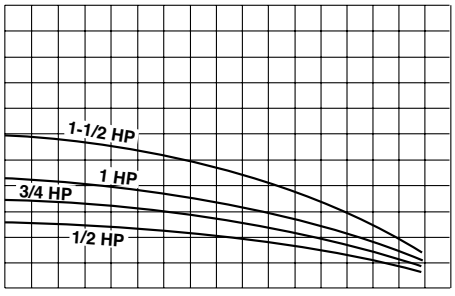
***3-wire - add control box (p. 1615). Two-wire motors are split phase designs with integral starting components and do not require a control box.**

PERFORMANCE (GALLONS PER MINUTE)												
			Pumping Depth in Feet									
Model	HP	PSI	40	60	80	100	125	150	175	200	250	300	350
10SP4C02J		20	14.8	14.0	13.0	11.8	10.2	8.2	5.7	2.1			
		30	13.7	12.8	11.6	10.3	8.3	6.0	2.5				
		40	12.6	11.5	10.1	8.6	6.1	2.8					
		50	11.3	9.9	8.2	6.2	3.0						
		60	9.6	8.0	6.0	3.2							
10P4D02J 10SP4D02J	¾	0			15.9	15.2	14.4	13.5	12.5	11.5	9.0	5.4	
		20	15.8	15.0	14.4	13.7	12.8	11.7	10.5	9.2	5.7		
		30	15.0	14.3	13.5	12.8	11.8	10.6	9.3	7.7	3.5		
		40	14.2	13.5	12.7	11.9	10.7	9.4	7.9	6.0			
		50	13.4	12.5	11.7	10.8	9.4	8.0	6.1	4.1			
		60	12.4	11.6	10.6	9.5	8.1	6.3	4.2				
10P4E02J 10SP4E02J	1	0				15.8	15.3	14.7	14.0	13.3	11.7	9.5	6.9
		20		15.7	15.3	14.8	14.2	13.4	12.6	11.8	9.8	7.2	3.8
		30	15.6	15.2	14.7	14.2	13.5	12.8	11.8	10.8	8.5	5.8	2.0
		40	15.1	14.6	14.1	13.5	12.9	11.9	10.9	9.8	7.4	4.2	
		50	14.5	14.0	13.4	12.9	11.9	10.9	9.9	8.8	5.9	2.2	
		60	13.9	13.3	12.8	12.0	11.0	10.0	8.8	7.5	4.5		
15P4D02J	¾	0			15.9	15.2	14.4	13.5	12.5	11.5	9.0	5.4	
		20	15.8	15.0	14.4	13.7	12.8	11.7	10.5	9.2	5.7		
		30	15.0	14.3	13.5	12.8	11.8	10.6	9.3	7.7	3.5		
		40	14.2	13.5	12.7	11.9	10.7	9.4	7.9	6.0			
		50	13.4	12.5	11.7	10.8	9.4	8.0	6.1	4.1			
		60	12.4	11.6	10.6	9.5	8.1	6.3	4.2				
15P4E02J	1	0		22.1	21.8	20.4	19.4	18.4	17.2	15.5	10.3	2.7	
		20	20.9	20.2	19.3	18.7	17.5	15.8	13.4	10.9	3.2		
		30	20.0	19.1	18.5	17.6	16.0	13.7	11.1	7.5			
		40	19.0	18.3	17.4	16.2	13.9	11.3	8.1	3.7			
		50	18.2	17.1	15.8	14.0	11.4	8.2	4.0	0.3			
		60	17.0	15.6	13.7	11.7	8.4	4.4	0.6				
15P4F02J	1½	0			22.1	21.4	20.5	19.9	19.3	18.4	16.4	13.1	8.3
		20	21.8	21.2	20.5	20.0	19.3	18.6	17.6	16.5	13.5	9.1	3.2
		30	21.1	20.3	19.9	19.3	18.7	17.7	16.6	15.4	11.7	6.3	0.1
		40	20.2	19.8	19.2	18.7	17.9	16.7	15.5	13.7	9.4	3.6	
		50	19.7	19.2	18.6	18.0	16.8	15.6	13.8	11.9	6.7	0.5	
		60	19.0	18.5	17.7	16.9	15.7	13.9	12.0	9.7	3.8		
15P4G02J	2	0				22.1	21.3	20.7	20.2	19.6	18.3	16.9	14.4
		20	22.5	21.9	21.2	20.9	20.2	19.7	19.1	18.4	17.0	14.7	11.8
		30	21.8	21.2	20.8	20.3	19.7	19.1	18.5	17.9	16.1	13.5	10.2
		40	21.1	20.6	20.2	19.6	19.2	18.6	17.9	17.1	14.9	12.0	8.1
		50	20.6	20.1	19.7	19.2	18.6	17.9	17.1	16.2	13.6	10.8	6.0
		60	20.1	19.6	19.1	18.7	18.0	17.2	16.2	15.1	12.2	8.6	3.7
20P4E02J	1	0	31.9	30.6	29.1	27.5	25.2	22.8	20.3	17.1	2.1		
		20	28.8	27.0	25.1	23.3	20.8	17.9	12.5	4.5			
		30	26.7	24.8	22.9	20.9	18.0	13.0	5.0				
		40	24.7	22.7	20.7	18.4	14.0	5.9					
		50	22.4	20.1	17.9	14.1	6.1						
		60	19.9	17.2	13.0	6.7							

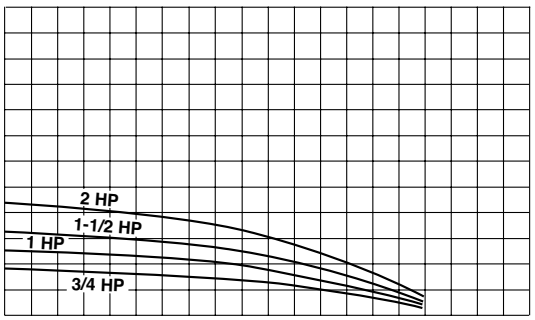
15 GPM



10 GPM



20 GPM



24000 Series

4" Submersible Stainless Steel Pumps
Features:

- •Powered by NEMA approved stainless steel motors with built-in lightning protection
- •Delivery: up to 25 GPM at 3450 RPM
- •Head: up to 1300' at 3450 RPM

All Models have 1¼" NPT discharge

HP	STAGE	DESCRIPTION	STOCK NO	EACH
10 GPM "K" Series				
½	7	2 Wire, 115 volt	24050K2A	651.63
		3 Wire, 115 volt	24050K3A	570.85
		2 Wire, 230 volt	24050K2	651.63
		3 Wire, 230 volt	24050K3	570.85
¾	10	2 Wire, 230 volt	24075K2	716.24
		3 Wire, 230 volt	24075K3	694.71
1	12	2 Wire, 230 volt	24100K2	845.49
		3 Wire, 230 volt	24100K3	740.50
1½	17	2 Wire, 230 volt	24150K2	1136.31
		3 Wire, 230 volt	24150K3	1020.52
2	20	3 Wire, 230 volt	24200K3	2022.12
15 GPM "L" Series				
1	10	3 Wire, 230 volt	24100L3	912.80
1½	12	3 Wire, 230 volt	24150L3	1122.84
2	17	3 Wire, 230 volt	24200L3	1349.03
20 GPM "P" Series				
1	8	2 Wire, 230 volt	24100P2	888.57
		3 Wire, 230 volt	24100P3	767.42
1½	11	2 Wire, 230 volt	24150P2	1144.40
		3 Wire, 230 volt	24150P3	950.51



Pump Ends Only

Less Motor

HP	GPM	STOCK NO	EACH
¾	10	23075KSH	304.26
¾	20	23075PSH	420.04
1	10	23100KSH	578.23
1½	20	23150PSH	495.45
1½	25	23150MSH	932.77
1½	33	24150RSH	813.20
3	33	24300RSH	1227.85

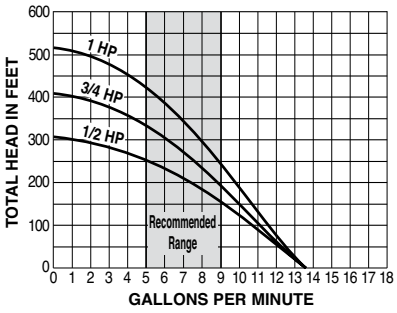
23000 Series

4" Submersible Stainless Steel Pumps
Features:

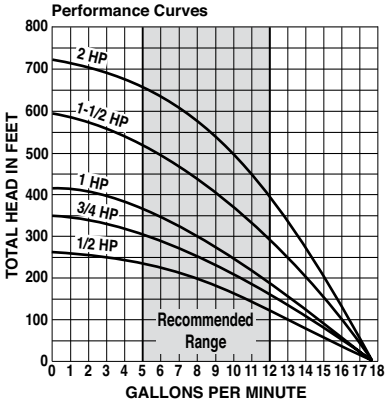
- Lexan® diffusers
- Stainless steel pump shell
- Acetal impellers

HP	STAGE	DESCRIPTION	STOCK NO	EACH
7 GPM "V" Series				
½	11	2 Wire, 230 volt	23050V2	840.11
¾	15	2 Wire, 230 volt	23075V2	1607.26
		3 Wire, 230 volt	23075V3	1460.16
1	18	2 Wire, 230 volt	23100V2	1837.07
		3 Wire, 230 volt	23100V3	1659.46
10 GPM "K" Series				
½	9	2 Wire, 115 volt	23050K2A	775.49
		3 Wire, 115 volt	23050K3A	681.25
		2 Wire, 230 volt	23050K2	775.49
		3 Wire, 230 volt	23050K3	681.25
¾	12	2 Wire, 230 volt	23075K2	848.19
		3 Wire, 230 volt	23075K3	821.29
1	15	2 Wire, 230 volt	23100K2	996.29
		3 Wire, 230 volt	23100K3	875.11
1½	20	2 Wire, 230 volt	23150K2	1413.14
		3 Wire, 230 volt	23150K3	1192.86
2	25	3 Wire, 230 volt	23200K3	1726.00
20 GPM "P" Series				
		3 Wire, 230 volt	23075P3	834.72
1	11	2 Wire, 230 volt	23100P2	1044.75
		3 Wire, 230 volt	23100P3	904.72
1½	15	2 Wire, 230 volt	23150P2	1332.88
		3 Wire, 230 volt	23150P3	1112.08
2	19	3 Wire, 230 volt	23200P3	1610.20
25 GPM "M" Series				
1½	10	3 Wire, 230 volt	23150M3	1125.52

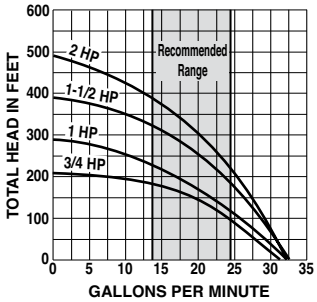
7 GPM 23000 V-Series • S.S.
Performance Curves



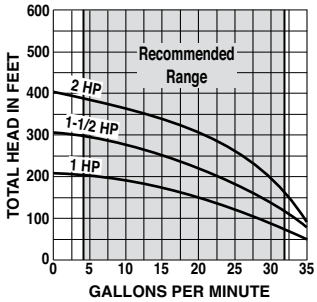
10 GPM 23000 K-Series • S.S.
Performance Curves



20 GPM 23000 P-Series • S.S.
Performance Curves



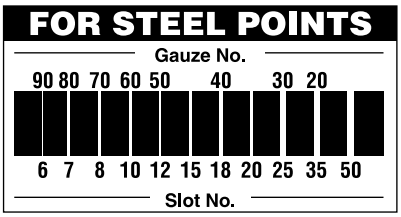
25 GPM 23000 M-Series • S.S.
Performance Curves



Reserved

Well Points and Screens

maassmidwest.com



(34)

Well Point



- Stainless Steel Gauze
- Points will not easily collapse while being driven
- Rugged design with octagonal electroless nickel plated head to prohibit turning in tough driving
- Easily extended in the field by removing head and coupling together with second well point for added capacity
- Stainless steel mig weld top and bottom to prohibit jacket shift or peeling
- 3/16" Diameter spotweld on 1" centers to prevent seam opening
- Stainless steel jacketed 1/8" staggered perforations for maximum open area
- Point may be driven or used with hollow stem flight auger

Note: 1¼" Well Point has 2" O.D.
2" Well Point has 3" O.D.

SIZE	GAUZE	OVER-ALL LENGTH	SCREEN LENGTH	SLOT	STOCK NO	EACH
1¼"	60	36"	30"	10	915734	113.87
1¼"	60	42"	36"	10	915752	119.98
1¼"	80	36"	30"	7	915738	113.87
2"	60	36"	30"	10	915852	175.43

(33)

Stainless Steel Well Points

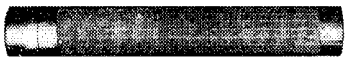


SIZE	OVER-ALL LENGTH	SCREEN LENGTH	SLOT	STOCK NO	EACH
1¼"	42"	36"	10	UO83610	182.74
1¼"	54"	48"	7	UO8487	219.86
1¼"	54"	48"	10	UO84810	219.86
1¼"	54"	48"	12	UO84812	219.86
2"	42"	36"	10	UO93610	218.90
2"	42"	36"	12	UO93612	218.90
2"	54"	48"	7	UO9487	261.74
2"	54"	48"	10	UO94810	261.74
2"	54"	48"	12	UO94812	261.74
2"	54"	48"	15	UO94815	261.74
2"	54"	48"	18	UO94818	261.74
2"	54"	48"	20	UO94820	261.74
2"	54"	48"	10	*UOX94810	261.74
2"	54"	48"	12	*UOX94812	261.74
2"	54"	48"	7	*UOX9487	261.74
2"	66"	60"	10	UO96010	302.66
2"	66"	60"	12	UO96012	302.66

*** Open End Extensions**

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304 Telescope Size Stainless Steel Well Screens



SIZE	SLOT NO	END FITTINGS	STOCK NO	EACH
4" x 4'	10	MxF	4X4UO10MF	383.56
4" x 4'	12	MxF	4X4UO12MF	383.56
4" x 4'	15	MxF	4X4UO15MF	383.56
4" x 4'	20	MxF	4X4UO20MF	383.56
4" x 4'	25	MxF	4X4UO25MF	383.56

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"K" Packer



FIP Both Ends

SIZE	STOCK NO	EACH
2 x 1¼"	2X114K	25.12
4 x 2"	4X2K	24.57
4 x 3"	4X3K	54.63

Pressure Tanks

quicktanks.com

(34)

Quick 75 P.S.I. Standard Vertical Galvanized Tanks

CAPACITY GALLONS	TANK DIA	TANK HEIGHT	STOCK NO	EACH
12	12"	24"	Q12V	676.97
21	16"	24"	Q21V	430.06
42	16"	48"	Q42V	543.75
42	20"	32"	Q42VSQ	564.34
82	20"	60"	Q82V	866.51
120	24"	60"	Q120V	1154.33
220	30"	80"	Q220V	2602.50

amtrol.com

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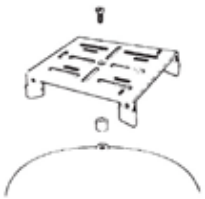
"Well-X-Trol" Pressure Tanks

- For Pressurizing Water Systems Pre-Charged—With Sealed-in Diaphragm
- Maximum Working Pressure—150 P.S.I.
- Models WX-101 and WX-102 are pre-charged to 20 P.S.I. for a 20-40 P.S.I. switch setting.
- Other models are pre-charged to 30 P.S.I. for a 30-50 P.S.I. switch setting
- Other pressures may be specified or on-the-job adjustments may be made

SYSTEM CONN	DIA	HEIGHT	TANK VOLUME (GALLONS)	STOCK NO	EACH
WX Series In-Line Models					
3/4"	8"	12 5/8"	2.0	WX101	142.32
3/4"	11"	15"	4.4	WX102	197.88
3/4"	11"	24 3/4"	7.6	WX103	331.16
WX Series Stand Models					
1"	15"	32"	20.0	WX202	471.62
1"	15"	47"	32.0	WX203	766.33
1 1/4"	22"	30"	34.0	WX205	775.17
1 1/4"	22"	36"	44.0	WX250	996.07
1 1/4"	22"	47"	62.0	WX251	1304.09
1 1/4"	26"	47"	86.0	WX302	1393.00
1 1/4"	26"	62"	119.0	WX350	2133.31
WX Series Underground Models					
1"	15 3/8"	29 3/4"	20.0	WX202UG	751.65
1 1/4"	22"	33 3/8"	44.0	WX250UG	1417.50



7 Year Warranty.



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Pump Stand

Model 161 pump stand is for vertical mounting of pump on WELL-X-TROL.

For Models: WX201, WX-202, WX-202-IN, AND WX203

STOCK NO	EACH
AM1429	113.22

wstanks.com

(44)

ProMax® Plus Series Diaphragm Well Tanks



- 125 PSI Working Pressure
- 304 Stainless Steel Connection
- Larger tank size in the 36 gallon model, provide more drawdown to improve pump performance
- Butyl Rubber Parabolic Diaphragm
- Direct connect diaphragm seal prevents any leakage between water and air chambers
- Powder coated water chamber provides maximum protection against corrosion
- Projection welded air valve with "O" ring cap seal for double protection
- Exclusive no-weld RUST-GUARD® base design
- Two-piece construction creates only one weld on the tank - Uniweld design
- Ultra-UV exterior powder finish offers protection against the elements

CAPACITY GALLONS	TANK DIA	TANK HEIGHT	SYSTEM CONNECTION	PRECHARGE PRESSURE	STOCK NO	EACH
20	15 3/8"	32 3/4"	1"	30 psi	PMXP20	391.91
32	15 3/8"	45 1/2"	1"	30 psi	PMXP32	572.56
36	20"	32 5/8"	1"	30 psi	PMXP36	660.64

5 Year Warranty.



Merrill Brass Tank Tee

1" male tank connection x 1" MIP and ¾ FIP lateral
5" Length

For Use with Well-X-Trol Tanks

STOCK NO	EACH
BAT100CS	26.61



Perma Signature 2000 Long Brass Tank Cross

10" long. ¾" female tapping each leg.
1" male tapping each leg.
One ½" female tapping top of cross.
Two ¼" female tappings on side.

STOCK NO	EACH
SI703	105.95



Perma Signature 2000 Brass & Type L Copper Fabricated Tank Tee

Fabricated tank tee, 13" long,1¼" male x
1" female on inlet and outlet sides of cross.
¾" female tapping on top of cross.
Two ¼" female tappings on side.

STOCK NO	EACH
SI704	124.50



Merrill Accessory Tee

Galvanized cast iron.
Tapping for pressure switch and guage are ¼" NPT
Chamfered threads for easy pipe connection.

Less nipples

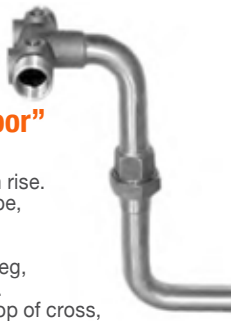
SIZE	STOCK NO	EACH
1¼"	IAT125XB	25.79
1"	IAT1XB	20.70



(02)

Bleeder

SIZE	STOCK NO	EACH
Brass MPT		
¾"	PO75BNL	8.34
Rubber		
1"	PO100	1.27



Simmons Short "Off-the-Floor" Tank Tee

Fabricated, with union on rise.
Bronze cross, Copper pipe,
Lead-free solder.
9½" overall length,
¾" female tapping each leg,
1" male tapping each leg.
One ½" female tapping top of cross,
Two ¼" female tappings on side.

STOCK NO	EACH
SI775	166.90

Well-X-Trol Short Elevated Tank Cross

With union on rise.
Bronze cross, Copper pipe.
Lead-free solder.
1"female tapping each leg,
1¼"male tapping each leg.
One ¾" female tapping top of cross,
Two ¼" female tappings on side.

STOCK NO	EACH
773	263.21

Perma Signature 2000 "Off-the-Floor" Tank Tee

Fabricated, with union.
18" overall length.
¾" female tapping each leg,
1" male tapping each leg,
Two ½" female tapping top of cross.
Two ¼" female tapping on side.

STOCK NO	EACH
SI796	172.91



Perma Signature 2000 1¼"Elevated Tank Cross

Fabricated, with union.
Bronze cross, Copper Pipe.
Lead free solder.
1"female tapping each leg,
1¼"male tapping each leg.
One ¾" female tapping top of cross.
Two ¼" female tapping on side.

STOCK NO	EACH
791	263.21



Snifter/Air Valves

Used for admitting air to pump
in connection with Figs. 2090, 1809,
and 2895 pneumatic water systems.

SIZE	STOCK NO	EACH
⅛"	18SCVA	4.60
¼"	14SCVA	4.80



(34)

No 451-5 Brass Relief Valve

Pressure only relief valve
factory preset @ 75 psi

SIZE	STOCK NO	EACH
½"	12SI4515	11.73
¾"	34SI45175	12.53



(24)

Zilmet Tank Tees

- For use with side connection well tanks
- Max working pressure: 125 PSIG
- Max working temp: 240°F
- No-Lead Brass Tank T with swivel union nut

SIZE	STOCK NO	EACH
1" NPT	ZTT1	85.70

Pitless Adapters

bakermfg.com



(34)

"Monitor" PS Standard Pitless Units for Submersible Pumps

Less cap • Spool type
3/8" AW control tap size • No check valve

CASING SIZE	ORDER CAP SIZE	BURY DEPTH	DISCHARGE AND DROP PIPE	MAX PUMP CABLE	STOCK NO	EACH
Threaded Style						
4"	5"	5'	2"	5/8"	5PS45BS4CO	1139.82
4"	5"	6'	2"	5/8"	6PS45BS4CO	1225.29
5"	6"	Pitless Kit only	2"	11/16"	OPS56S4CO	919.47
6"	7"	6'	2"	3/4"	6PS67BS4CO	1874.77
Kwikonect Style						
4"	5"	6'	2"&1 1/2"	5/8"	6PS45BN	1433.04
4"	5"	7'	2"&1 1/2"	5/8"	7PS45BN	1547.38
5"	6"	6'	2"	11/16"	6PS56BNS4CO	1783.50

(21)

Monitor "O" Rings



STOCK NO	EACH
UB15-4" Pitless for 5" casing	
UB15-4" Pitless for 8" casing	
UB15	20.99
NC15-5" Pitless for 6" casing	
NC15-5" Pitless for 8" casing	
NC15	24.29

(21)

Hold-Down Spider



UPPER CASE SIZE	STOCK NO	EACH
5"	120UB	169.18

(21)

Spool Cable Seals



CABLE SIZE	STOCK NO	EACH
14, 12, 10	PS321	70.43

(34)

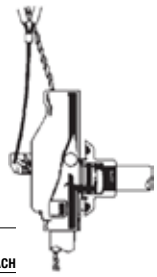
"At-the-Well" Screw-in Control Kit



For reciprocating pumps. Locates all of the equipment normally used in an automatic water system inside the upper casting of the pitless unit. Control is screw-in type.

STOCK NO	EACH
8AWA	278.99

MAASS MIDWEST™



"Monitor" PL Snappy Cast Iron Pitless Adapters for Submersible Pumps

Less cap • Clamp-on

CASING SIZE	ORDER CAP SIZE	DISCHARGE AND DROP PIPE		STOCK NO	EACH
4"	4"	1"		8PL4	298.50
4"	4"	1"	(3-Pack)	8PL41U3	834.91
5"	5"	1"		8PL5	296.68
6"	6"	1"		8PL6	302.89
6¼"	6"	1"		8PL612U	315.18

"O" Ring for 1" Snappy Pitless Adapter

STOCK NO	EACH
PL3ORI	16.31

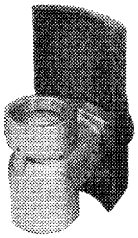
"Monitor" Bulldog Brass Pitless Adapters for Submersible Pumps

Less Cap • Clamp-on

CASING SIZE	ORDER CAP SIZE	DISCHARGE AND DROP PIPE	STOCK NO	EACH
4"	4"	1"	4AO	500.78

MAASS Model J Weld-On Pitless Adapters for Submersible Pumps

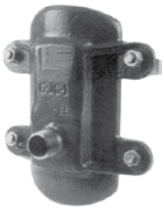
Model J is non-pressure lifting and is designed for deep wells, higher working pressures, and where plastic pipe is used and high water levels. No lock necessary.



CASING O.D.	DISCHARGE AND DROP PIPE	STOCK NO	EACH
4"-5"	1"	4J1	143.49
4"-5"	1¼"	4J114	216.05
6"-7"-8"	1"	6J1	143.49
6"-7"-8"	2"	6J2	427.47

MAASS Model JC Clamp-on Pitless Adapters for Submersible Pumps

Model JC is non-pressure lifting and is designed for deep or shallow wells, higher working pressures, where plastic pipe is used, and high water levels. The 8-degree taper wedge forced against 304 stainless steel nipple is easy to install. No locks, bolts, or wrenches are necessary.



CASING O.D.	DISCHARGE AND DROP PIPE	STOCK NO	EACH
4½"	1"	4JC1	211.12
6⅝"	1"	6JC1	228.75
4½"	1¼"	4JC114	258.94
6⅝"	1¼"	6JC114	274.17

MAASS Constant Pressure Manifold Packages

Package Consists of:

(1) 2½" S.S. Back Mounted Liquid Filled Gauge 0-100#
(1) Spring Loaded Pressure Relief Valve, set @ 75 PSI
(1) Steel Mounting Bracket
(1) Chrome Plated Sample Valve
(1) 1" x ½" Brass Bushing for Transducer Connection
(1) 1" x ¾" Brass Tank Adapter Bushing



STOCK NO	EACH
952300	171.30

Dicken Pitless Adapter

Pressure tested to 150 PSI



CASING O.D.	DISCHARGE PIPE	SUPPLY PIPE	STOCK NO	EACH
5 to 12"	1"	1"	LDS10	134.42



Whitewater

The "Turtle" Economy Watertight Cap

SIZE I.D.	STOCK NO	EACH
Use with Steel Casing		
4"	4WE1	109.27
4½"	45WE1	120.61
5"	5WE1	112.43
6"	6WE1	120.83
6½"	65WE1	201.50
7"	7WE1	199.44
Use with Plastic Casing		
4"	4WE1P	84.08

Cycle Stop Valves

Cycle Stop Valves

Automatically adjusts pump output to match variable flow requirements.
1¼" Threaded, 1 gpm bypass, 30 GPM max.



P.S.I.	STOCK NO	EACH
60	CSV125601	100.24

Submersible Pump Accessories (34)

kalaswire.com



Twisted PVC Submersible Pump Cable with Ground

NO/WIRE	STOCK NO	FOOT
1000' spool		
14-3	1000FT143PLWGR	1.10
12-3	1000FT123PLWGR	1.57
12-2	1000FT122PLWGR	1.17
10-3	1000FT103PLWGR	2.36
500' spool		
12-3	500FT123PLWGR	1.57
12-2	500FT122PLWGR	1.17
10-3	500FT103PLWGR	2.36
Cut-to-Measure		
14-3	FT143PLWGR	1.21
12-3	FT123PLWGR	1.72
10-3	FT103PLWGR	2.60

Flat PVC Submersible Pump Cable with Ground

NO/WIRE	STOCK NO	FOOT
500' spool		
8-3	500FT83FLPLWGR	4.15
6-3	500FT63FLPLWGR	6.31
4-3	500FT43FLPLWGR	9.23
2-3	500FT23FLPLWGR	14.55
Cut-to-Measure		
8-3	FT83FLPLWGR	4.56
6-3	FT63FLPLWGR	6.95
4-3	FT43FLPLWGR	10.16
2-3	FT23FLPLWGR	16.00

UF Underground Cable with Ground

NO/WIRE	STOCK NO	FOOT
1000' spool		
14-2	1000FT142UN	1.16
14-3	1000FT143UN	1.73
12-2	1000FT122UN	1.52
12-3	1000FT123UN	2.32
10-3	1000FT103UN	3.90
500' spool		
12-3	500FT123UN	2.32
250' spool		
12-2	250FT122UN	1.52
12-3	250FT123UN	2.32

Flat TPE Ice Blue Cold Weather Submersible Pump Cable w/Ground

NO/WIRE	STOCK NO	FOOT
1000' spool		
12-2	1000FT122TPEGR	1.75
12-3	1000FT123TPEGR	2.29



Sta-kons Connectors

WIRE	STOCK NO	EACH
10-12-14	1014STCO	.68
8	8STCO	3.47
6	6STCO	8.39

For Crimper see page 1913

Heat Shrink Sleeves

SIZE	COLOR	STOCK NO	EACH
3/8" x 3"	Clear	383C	1.36
1/2" x 3"	Clear	453C	1.54

Heat Shrink Sleeves Kit w/Ground

Clear shrink tube kit-includes three .375 x 3" shrink tubes and three #1014 crimp connectors. Fits AWG cable sizes #14 and #12. Includes connector for ground wire.

STOCK NO	EACH
K383CG	7.26



(18)

Plastic Electrical Tape

SIZE	STOCK NO	EACH
3/4" x 60'	ELTA	2.44

(24)

Cable Guard

WG-100

STOCK NO	EACH
WG100	1.63



(34)

Self-Fusing Silicone Tape Dispenser

SIZE	STOCK NO	EACH
1" x 10'	943000	25.34
Black Refill		
1" x 12'	943100	10.56

maasmidwest.com



(34)
Franklin Electric Subdrive Utility
NEMA 3R
Constant Pressure Controller.

HP	STOCK NO	EACH
SUBDRIVE UTILITY UT2W • 2-Wire, 1-Phase		
Submersible Applications, ⅓ - ½hp at 115V		
½ - 1½hp at 230V		
Surface Applications, ⅓ - ½hp at 115V		
½ - 1½hp at 230V	*5870202003*	*1058.62*
SUBDRIVE UTILITY UT3P • 3-Wire, 230 V		
Submersible Applications		
½ - 2hp (1-Phase), 1 - 2hp (3-Phase)		
Surface Applications		
½ - 2hp (3-Phase)	*5870202303*	**1453.25**



(34)
Franklin Electric Subdrive Connect
NEMA 3R Enclosure
Constant Pressure Controller

HP	STOCK NO	EACH
SUBDRIVE 20		
½ - 2hp, 1-Phase (3-Wire)		
1 - 2hp, 3-Phase	*5870205303*	*2198.66*
SUBDRIVE 30		
½ - 2hp, 1-Phase (3-Wire)		
1 - 3hp, 3-Phase	*5870205403*	*3031.78*
SUBDRIVE 50		
½ - 3hp, 1-Phase (3-Wire)		
1 - 5hp, 3-Phase	*5870205503C*	*4079.43*

(34)
Franklin Electric - Subdrive
NEMA 4
Constant Pressure Controller

HP	STOCK NO	EACH
SUBDRIVE 300 • 3-Wire		
5hp (3-Phase)	*5870206300*	*6650.80*

(21)
Franklin Electric - Transducer
Variable Speed P-Series
Large Drive Accessories
4-20 mA, +/-0.5% accy

PSIG	STOCK NO	EACH
100	*PSIG10010FT*	*538.92*
200	*PSIG20010FT*	*560.52*



Franklin Submersible Motors
Single Phase

HP	VOLTAGE	STOCK NO	EACH
2-Wire			
½	*230*	*24450590S*	*740.53*
¾	*230*	*2445079004S*	*893.19*
3-Wire			
½	*230*	*21450590S*	*642.55*
¾	*230*	*21450790S*	*766.34*
1	*230*	*21450890S*	*795.96*
1½	*230*	*22430092S*	*1017.74*
2	*230*	*22430192S*	*1149.90*
3	*230*	*22430226*	*1583.58*
5	*230*	*22430386*	*2243.50*
7½	*230*	*2261119020*	*2600.60*

Franklin Control Boxes
For use with submersible pumps located on pages 1606-1608.

HP	VOLTAGE	STOCK NO	EACH
Capacitor Start/Induction Run			
½	*115*	*28010449*	*132.92*
½	*230*	*28010549*	*130.64*
¾	*230*	*28010749*	*135.96*
1	*230*	*28010849*	*139.75*
Capacitor Start/Capacitor Run			
1½	*230*	*28230081*	*207.35*
2	*230*	*28230181*	*347.10*
3	*230*	*28230281*	*431.41*
5	*230*	*28211381*	*625.08*
Deluxe Control Box			
3	*230*	*2823028310*	*549.13*
5	*230*	*28211393*	*700.27*
7½	*230*	*2822019310*	*1039.77*
Capacitor Run Control			
½	*230*	*2824055015*	*192.92*
¾	*230*	*2824075015*	*198.99*
1	*230*	*2824085015*	*199.75*

(21)
Franklin Relay Kit with Wires

HP	VOLTAGE	STOCK NO	EACH
¾	*230*	*305101903*	*158.19*

(21)
Franklin Capacitor Start Kit

HP	STOCK NO	EACH
START	*305207905*	*63.05*
¾	*305207918*	*72.16*
1,1½	*305207913*	*75.20*

(21)
Franklin Relay Only

HP	VOLT	STOCK NO	EACH
½ - 3	*230*	*305213902*	*168.67*
5 - 10	*230*	*305213961*	*230.47*

Franklin Submersible Motors
3 - Phase

HP	VOLTAGE	STOCK NO	EACH
4"			
1½	*230*	*23451492S*	*919.77*
2	*230*	*2343159204S*	*997.23*
3	*230*	*23431626*	*1266.10*
5	*230*	*2343178602*	*2034.14*
5	*460*	*2343278602*	*2034.14*
6"			
7½	*230*	*2366019020*	*2534.44*
7½	*460*	*2366119020*	*2534.44*
10	*230*	*23660290*	*2836.70*
15	*230*	*23660390*	*3259.45*
20	*230*	*23660490*	*3998.40*
25	*230*	*23660590*	*4637.76*
30	*230*	*23660690*	*5369.75*
10	*460*	*2366129020*	*2836.70*
15	*460*	*23661390*	*3259.45*
20	*460*	*23661490*	*3998.40*
25	*460*	*23661590*	*4637.76*
30	*460*	*23661690*	*5369.75*
40	*460*	*2366178125*	*6392.16*

(21)
Sta-Rite Capacitors

HP	VOLT	STOCK NO	EACH
½ - 1	*230*	*U18881*	*129.61*
1	*230*	*U18730*	*138.06*

(21)
Sta-Rite Relay

HP	VOLT	STOCK NO	EACH
½ - 1	*230*	*U18811*	*212.72*

Franklin Pumptec Underload Protector

STOCK NO	EACH
58000201	*449.44*
58000706	*317.90*

Transducer
PSS2-100 • 0-100 lb. capacity.
For use with variable frequency drives.

STOCK NO	EACH
PSS2100	*374.06*

Pressure Sensor Kit
223-995-901 • 25-90 PSI

STOCK NO	EACH
223995901	*137.03*

Well Drilling Fluids & Grout (34)

Water Well Drilling Fluids

A high yield Bentonite with polymer additives.

CONTAINER SIZE	STOCK NO	EACH
Baroid Quik-Gel		
50 lb. bag	*50LBQUGE*	*16.07*
Extra High Yield Gel		
50 lb bag	*50LBEHYGE*	*15.43*

Environmental Drilling Fluids

Natural high yield Bentonite - no additives.

CONTAINER SIZE	STOCK NO	EACH
Baroid Aquagel- Gold Seal		
50 lb. bag	*50LBAQ*	*14.97*

Granular Bentonite

Sealing and plugging agent.
Specially processed coarse bentonite.

CONTAINER SIZE	STOCK NO	EACH
Baroid Ben Seal		
50 lb. bag	*50LBBESE*	*16.16*
Wyoben Enviroplug #8		
50 lb bag	*50LBEN8*	*14.94*

Aqua-Clear AE

LIquid blend of acids and acid enhancers to control bacterial slime contamination due to iron-related and sulfate-reducing bacteria.

- Reduces sulfur taste and odor in water
- Clean up well screens, pumps, and distribution system
- Increase well productivity, reduce power and maintenance costs
- Safe to use on all plastics, rubber and metals

CONTAINER SIZE	STOCK NO	EACH
5 gallon	*5GAAQCLAE*	*285.71*

Aqua-Clear PFD

Mud dispersant

CONTAINER SIZE	STOCK NO	EACH
1 gallon	*1GAPFD*	*80.14*

Chip Bentonite

For sealing and plugging application.
Medium size ¼" to ⅜"

CONTAINER SIZE	STOCK NO	EACH
Baroid Hole Plug		
50 lb bag	*50LBHO*	*17.78*
Enviroplug Medium		
50 lb bag	*50LBENME*	*14.51*

Bentonite Grout

High solids Bentonite,
for grouting and adbandonment.

CONTAINER SIZE	STOCK NO	EACH
17% Solids, Wyoben Grout-Well		
50 lb bag	*50LBGRWE*	*19.79*

Therm-EX Grout

Wyoben Grout

CONTAINER SIZE	STOCK NO	EACH
50 lb bag	*50LBTHEXGR*	*20.18*

Quik-Grout™

Bentonite grouting composition designed for water and monitoring wells, for sealing the annular space around a well casing and for plugging drilled holes and abandoned wells.

Does not contain organic additives or polymers.

CONTAINER SIZE	STOCK NO	EACH
50 lb bag	*50LBQUGR*	*23.49*
30% Solids, Wyoben Enviroplug Grout		
50 lb bag	*50LBENGR*	*22.58*

Polymer Drilling Fluids

Low solids additives,
for use as alternative to Bentonite.

E-Z Mud

For low solids drilling fluids. Easy mixing.

CONTAINER SIZE	STOCK NO	EACH
5 gallon pail	*5GAEZMU*	*260.97*

Tru-Bore

Specially blended bentonite-based drilling fluid designed for difficult drilling operations in both vertical and horizontal borings. Extremely effective in horizontal drilling applications to maintain hole integrity during pullback.

CONTAINER SIZE	STOCK NO	EACH
50 lb bag	*50LBTRBO*	*20.22*

Foam

Baroid Quik-Foam

- Biodegradable foaming agent in liquid form.
- To improve carrying capacity of air.
- To overcome water invasion, loss of air to formations, and dust in air drilling.
- With QUIK-GEL to make stable form.

CONTAINER SIZE	STOCK NO	EACH
5 gallon can	*5GAQUFO*	*292.05*

Barotherm® Gold

2-Part Thermally Conductive Grout

BAROTHERM® GOLD thermally conductive grout is a bentonite material designed for use in grouting boreholes containing ground source heat loops, and related applications. BAROTHERM GOLD thermally conductive grout when combined with silica sand at various concentrations yields a grout with thermal conductivity values ranging between 0.4 and 1.2 BTU/hr·ft·°F (0.69 – 2.08 watts/m·°C).

SIZE	STOCK NO	EACH
50lb.	*50LBBATH*	*21.41*

Well Chemicals

For treating wells and swimming pools

CONTAINER SIZE	STOCK NO	EACH
HtH Dry Chlorine		
5 lb. Jar-Granular	*5LBHTH*	*50.07*
100 lb. Drum-Granular	*100LBPUGR*	*633.11*

WELL DIAMETER	NORMAL DOSAGE (NO. OF 1 GAL. CONTAINERS)
1¼"	¼
2"	½
3"	1
4"	2
5"	3
6"	4

Based on 5' screen lengths



(34)

Nu-Well

For cleaning encrusted well screens

CONTAINER SIZE	STOCK NO	EACH
1 Gallon jar	*1GANW*	*85.64*
4.5 pound	*45LBNW*	*46.97*

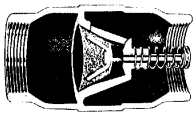
Thinz-It

Thinning agent

CONTAINER SIZE	STOCK NO	EACH
1 gallon	*1GATHINZIT*	*62.98*

Check Valves and Foot Valves (34)

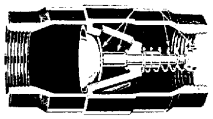
Check Valves



No 300 Strataflo Check Valve

With buna S rubber poppets.

PIPE SIZE	LENGTH OVER-ALL	STOCK NO	EACH
3/4"	3 5/16"	34SF300	43.11



No 400 Strataflo Check Valve

With Metal Poppet

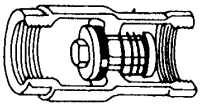
PIPE SIZE	LENGTH OVER-ALL	STOCK NO	EACH
1/2"	2 3/4"	12SF400	45.06
3/4"	3 5/16"	34SF400	52.73
1"	3 11/16"	1SF400	72.76
1 1/4"	4 1/2"	114SF400	98.72
1 1/2"	4 7/8"	112SF400	113.24
2"	5 9/16"	2SF400	160.79



500SB Series Silicone-Bronze Lead Free

PIPE SIZE	STOCK NO	EACH
1/2"	SI501SB	53.41
3/4"	SI502SB	54.08
1"	SI503SB	58.82
1 1/4"	SI504SB	77.96
1 1/2"	SI505SB	112.91
2"	SI506SB	176.45

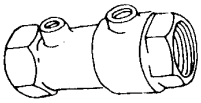
strataflo.com



No 5300 Midwest Check Valve

With Bronze poppet and poppet stem with monel metal spring and flat black rubber facing.

PIPE SIZE	ENTERS PIPE	STOCK NO	EACH
3/4"	2"	34MI5300	61.65
1"	2"	1MI5300	72.95
1 1/4"	2 1/2"	114MI5300	83.96
1 1/2"	3"	112MI5300	118.52
2"	3 1/2"	2MI5300	166.63
3"	6"	3MI5300	880.24
4"	8"	4MI5300	1242.78



538-S Midwest Two Hole Check Valve

Heavy red brass.
One 1/8" and one 1/4" pipe tapping.

PIPE SIZE	ENTERS PIPE	STOCK NO	EACH
1"	1 1/4	1MI538S	85.58
1 1/4	1 3/4	114MI538S	95.20



600 Series Simmons Check Valve

With Buna-N O-Ring, FIP x MIP

PIPE SIZE	STOCK NO	EACH
1 x 1 1/4"	SI617SB	71.13
1 1/4 x 1 1/4"	SI618SB	80.22

670 Series Simmons Check Valve

DUCTILE IRON

PIPE SIZE	STOCK NO	EACH
3"	SI670SB	422.93
4"	SI671SB	668.51

680 Series Simmons Check Valve

DUCTILE IRON

PIPE SIZE	STOCK NO	EACH
8"	880DI	2986.71

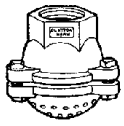
maassmidwest.com

Foot Valves



No 400 Series Simmons Foot Valve

PIPE SIZE	STOCK NO	EACH
3/4"	SI452SB	49.29
1"	SI453SB	58.20
1 1/4"	SI404SB	64.26
1 1/2"	SI456SB	106.73
2"	SI457SB	169.32



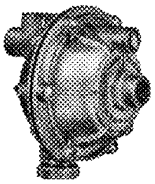
No 540 Midwest Foot Valve with Strainer

Black—Cast Iron, Tapped S.P.S.

PIPE SIZE	STOCK NO	EACH
3"	3MI540	167.78
4"	4MI540	304.38

simmonsmfg.com

Miscellaneous Well Supplies



(34)

Brady Air Volume Controls

STOCK NO	EACH
AV45	43.79

(34)

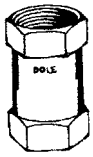
Air Volume Control

DESCRIPTION	STOCK NO	EACH
Deep well, Steel case	1223WJ	61.76

(34)

Merrill Tank Float

DESCRIPTION	STOCK NO	EACH
16"	ME16	37.96



(24)

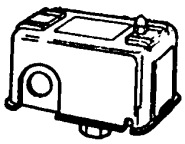
Dole Flow Controls

Simple, self-cleaning device designed to deliver a constant volume of water from any outlet whether pressure is 15 PSI or as high as 125 PSI.

GX Series, 1" female inlet/outlet connection

FLOW(GPM)	STOCK NO	EACH
4.0	1DO4GX	75.96
5.0	1CDX5	75.96
6.0	1CDX6	75.96
8.0	1DO8GX	75.96
10.0	1DO10GX	75.96

simmonsmfg.com



(34)

Class 9013FSG-2 Form P Square D Pumptrols

- For ¼" pipe tap.
- A compact, modern, two-pole pressure switch especially designed for use with motor-driven domestic water systems or other low pressure pumping equipment.
- Provides automatic pressure control for single phase or polyphase motors used with this type of pressure equipment.
- Removal of cover exposes entire mechanism.
- Vertical, visible silver contacts.
- Has ½" conduit openings.

MODEL	PRESSURE SET	STOCK NO	EACH
9013FSG-2	20-40	FSG240	26.30
9013FSG-2	30-50	FSG250	26.30
9013FSG-2	40-60	FSG260	26.30
9013GSG-2	40-60	GSG2	102.67
9013FSG-2-M4	30-60	FSG2M4	36.10



(34)

Deluxe Submersible Torque Arrestors

For protecting submersible pumps from starting torque damage. 4" to 8" well casing, 1¼" drop pipe

STOCK NO	EACH
SI1350	17.77

Miscellaneous Well Supplies

maassmidwest.com simmonsmfg.com americangranby.com



(34)

No. 442 Flush Cap Cylinder

Barrel of seamless brass tubing.
Caps and valves all bronze.

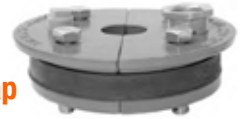
I.D. AND STROKE	CAP TAPPED	STOCK NO	EACH
1 11/16 x 10"	1"	11116STCY	243.46
2 x 10"	1¼"	2STCY	264.17
2¼ x 10"	1¼	214STCY	285.49
2½ x 10"	1¼	212STCY	321.70



(48)

Swage Nipple

SIZE	STOCK NO	EACH
3 x 2"	3X2SWN	253.96
4 x 3"	4X3SWN	369.70
6 x 5"	6X5SWN	1106.11



(34)

Simmons Sanitary Well Cap

Single pipe well seals
for shallow well jet installations.

SIZE	STOCK NO	EACH
2" x 1"	SI107	39.11

(34)

Watertight Well Caps

SIZE	STOCK NO	EACH
4"	4VPWC	65.48
4½"	45VPWC	89.18
6"	6VPWC	83.17

(34)

Simmons Sanitary Well Seal

- Single Drop Pipe
- Submersible Pump

Solid Top Plate

SIZE	STOCK NO	EACH
4 x 1"	3014X1	47.63
4 x 1¼"	0494X114	41.22
5 x 1¼"	3245X114	47.30
6 x 1¼"	3146X114	78.92

(34)

Lemco Drawdown Well Seal

Prevents air from entering submersible pumps in low water level wells, increasing the life on the pump & generally increasing the yield of the vein.

SIZE	STOCK NO	EACH
4 x 1"	4X1LESE	77.96



(34)

Cup Leathers

No. 41

Made from finest oak tan leather.
Recommended for shallow wells.
Dry finish, no wax.

SIZE	STOCK NO	EACH
2" x 1 5/16"	241CULE	9.51
3" x 2"	341CULE	14.08
4" x 3"	441CULE	25.96

No. 42

Same high quality leather.
Due to special finish (black) given to these cups, they are especially recommended for moderately deep wells.

SIZE	STOCK NO	EACH
2" x 1 5/16"	242CULE	9.51

No. 44

Premium quality oak tan leather.
Treated with special oils to make the soft & pliable. Gives outstanding service in electric pump water systems.

SIZE	STOCK NO	EACH
1¼" x ½"	114X1244CULE	6.64
1½" x ½"	112X1244CULE	7.50
2"	244CULE	9.51
2½"	21244CULE	11.61



(21)

No. 700 Lower Valve Leathers

ID	OD	STOCK NO	EACH
3"	3½"	3700VALE	10.66



(34)

4" Septic Inspection Plug

- Lubricated rubber ring for easy installation.
- Cast aluminum.
- Fits PVC & Cast Iron.

STOCK NO	EACH
4INPL	23.44



(34)

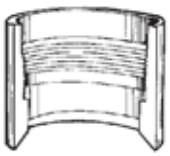
4" Septic Vent Cap

- For residential septic systems
- 3/16" Cast aluminum walls for strength and weather resistance; no discoloration or rust.
- 2 opposed stainless steel set screws for positive grip
- 4 bosses for solid support; eliminates tilting.
- Fits PVC and cast iron

STOCK NO	EACH
4SVC	17.93

Miscellaneous Well Supplies

wellmaster.ca maassmidwest.com



(34)

Drive Shoes

Features

- Heat treated for maximum hardness
- Highest quality seamless steel tube (to A.P.I. specs.)
- Concentric machining assures straight setting in well
- Painted to enhance appearance and corrosion-resistance

SIZE	STOCK NO	EACH
Threaded, Cable Tool Style		
4"	941285	82.66
6"	941289	147.18
Weld On, Cable Tool Style		
4"	941318	78.92
6"	941322	131.18
8"	8WELDS	375.41
Threaded, Rotary Style		
4"	941383	89.59
6"	941388	147.18
Weld On, Rotary Style		
4"	941393	80.53
6"	941391	147.18
8"	8ROWELDS	375.41

(34)

Galvanized Steel Pump Rods

SIZE	LENGTHS PER BUNDLE	STOCK NO	EACH
7/16 x 21	10	716X21PURO	67.45

(34)

No. 720 Hexagon Coupling

Female Rod to Female Rod
Made from solid bars of cold rolled steel.
Galvanized inside and outside.

SIZE	STOCK NO	EACH
7/16 x 7/16"	716X716ROC	2.06
5/8 x 7/16"	58X716ROC	5.45

(34)

Manila Rope

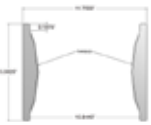
Cut-to-Measure Per Foot

SIZE	STOCK NO	EACH
1"	1MARO	1.81

(00)

Sand

BAG SIZE	STOCK NO	EACH
50 lb.	15REFLSA	22.69
50 lb.	30REFLSA	26.45

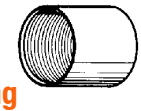


(02E)

R&D Coupling – Black

Reamed & Drifted, 8 V. Thread 11.750" O.D.

SIZE	STOCK NO	EACH
10"	10BSWWC	298.19



(34)

No. 434J Thinwall Turned Coupling

SIZE	O.D.	STOCK NO	EACH
1¼ x 1¼"	1 13/16"	114434J	17.25

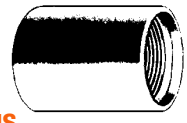


(34)

No. 623 Tool coupling

For use with well tools and drill rods.
Standard pipe threads

PIPE SIZE	O.D. INCHES	STOCK NO	EACH
1"	1 5/8"	1623TOC	24.10



(02e)

P & R Drive Couplings

SIZE	STOCK NO	EACH
Galvanized		
1"	1GSPRC	0
1¼"	114GSPRC	31.39
1½"	112GSPRC	36.10
2"	2GSPRC	46.56
Black		
2"	2BSPRC	36.10
3"	3BSPRC	51.27
4"	4BSPRC	79.52
5"	5BSPRC	102.01
6"	6BSWWC	108.81
8"	8BSWWC	196.70



(34)

No 618 Drive Cap

Malleable Iron with air vent in top

SIZE	STOCK NO	EACH
1¼"	114DRCAP	19.52
2"	2DRCAP	56.74



(02)

Arrow Sample Tap

SIZE	STOCK NO	EACH
½"	301PE	12.29
¾"	302PE	13.21

Monitoring Well Products (33)

johnsonscreens.com



304 Stainless Steel Monitoring Screens

SIZE	SLOT	DESCRIPTION	STOCK NO	EACH
2" x 5'	10	MIPxFIP	2X510SMXF	361.92
2" x 5'	10	M&F Flush	2X510SMF	361.92
2" x 5'	10	MIPxPlate	2X510S	392.40
2" x 10'	10	MIPxPlate	2X1010S	603.41

304 Stainless Steel Monitoring Fittings

SIZE	DESCRIPTION	STOCK NO	EACH
2"	Fl. Male Plug	2SSMOPL	104.33
2"	Fl. Female Cap	2SSMOCA	104.33

PVC Slotted Monitoring Screens

SIZE	SLOT	DESCRIPTION	STOCK NO	EACH
Schedule 40				
2" x 5'	10	MxF Flush	2X510SS40MF	40.03
2" x 10'	10	MxF Flush	2X1010SS40MF	61.75
2" x 10'	10	Plain End	2X1010PV	55.02

"Big Foot" PVC Monitoring Screens

SIZE	SLOT	DESCRIPTION	STOCK NO	EACH
4" x 10'	10	Plain End	4X1010PV	170.29
4" x 10'	12	Plain End	4X1012PV	170.29
4" x 10'	15	Plain End	4X1015PV	170.29
4" x 10'	20	Plain End	4X1020PV	170.29

PVC Monitoring Pipe

SIZE	DESCRIPTION	STOCK NO	EACH
Schedule 40			
2" x 5'	MxF Flush	2X5S40MF	32.17
2" x 10'	MxF Flush	2X10S40MF	50.23
4" x 10'	MxF Flush	4X10S40MF	144.03

PVC Monitoring Fittings

SIZE	DESCRIPTION	STOCK NO	EACH
Schedule 40			
2"	Fl. Male Plug	2PVMOP	10.36
2"	Fl. Female Cap	2PVMOCAP	10.36
2"	Fl. Male Thr. Point	2PVMFTP	18.98

Monitoring Well Products (34)

cresline.com

(08a)

ASTM F480
Class 200 PVC Well Casing with Belled End

SIZE	STOCK NO	FOOT
4" x 20'	4X20PVWCBE	5.07
5" x 20'	5X20PVWCBE	8.07
6" x 20'	6X20PVWCBE	10.99

(08)

Deep Socket Coupling

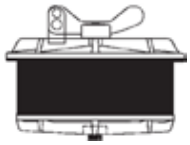
Slip x Slip

SIZE	STOCK NO	EACH
2"	2PVLC	6.07
4"	4PVLC	23.65



Morrison Monitor Manhole

SIZE	STOCK NO	EACH
Limited access manhole.		
8 x 12"	418XA	145.82
Limited access manhole. Welded Skirt.		
9 x 12"	418X	279.36

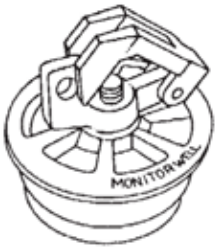


Morrison Monitoring Well Plugs

- Designed to be a tamperproof, watertight cover for monitoring and observation wells.
- It slips into the open end of a pipe and as the brass wing bolt is tightened, the seal expands to hold the plug in place.
- The "Test Well No Fill" warning is molded directly to the plastic body.
- The stainless steel lock lever swings out of the way for easy operation.
- Bright orange color is easy to spot in the field and helps to warn against unauthorized access.

SIZE	STOCK NO	EACH
4"	4678XA	50.85

morbros.com



(34)

Cherne Monitor Well Locking Plug

SIZE	STOCK NO	EACH
2"	CH271675	45.64

oatey.com

Yard Hydrants



(34)

Aluminum Locking Well Plug

SIZE	STOCK NO	EACH
6⅝"	6LOFICAP	64.22



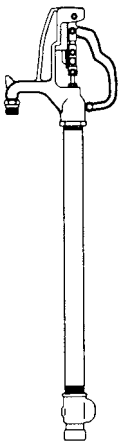
(02)

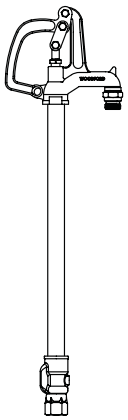
Merrill Any Flow

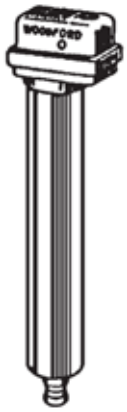
Frost Proof Yard Hydrant

SIZE	STOCK NO	EACH
¾" x 6'	6WHMB	247.56

merrillmfg.com







(02)

Yard Hydrants

Low-Lead Freezeless Yard Hydrants

DESCRIPTION	STOCK NO	EACH
Model Y34		
¾ x 6' bury	34X6Y34LL	360.65
¾ x 7' bury	34X7Y34LL	376.03
Model Y1		
1 x 6' bury	1X6Y1LL	476.74
1 x 7' bury	1X7Y1LL	492.75

(02)

Freezeless Yard Hydrant

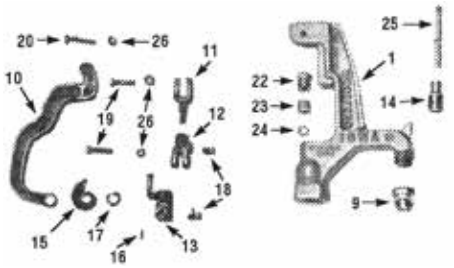
DESCRIPTION	STOCK NO	EACH
Model R34		
¾ x 6'	R346	227.53
¾ x 7'	R347	242.85

(02)

Thermaline Freezeless Mobile Home Water Connector

A compact unit especially designed to provide water service to mobile homes. Ideal wherever a freezeless sanitary tight line installation is needed, such as, waterers for livestock. The Thermaline is protected from freezing by a bonded polyurethane foam insulation molded in high strength plastic casing and a 15 watt portable insert heater which can be inserted and removed without interrupting the water service. When not in use, wheel handle at surface level shuts off water below the frostline and water above the frost line can be removed completely with forced air or suction pump.

SIZE	STOCK NO	EACH
¾ x 7' bury	7YDHY	664.38

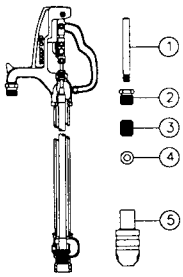


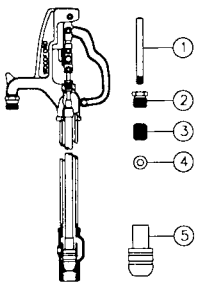
Y34/Y1 Head

See below for part number description and price

Repair Kits

(priced below)





RK-Y34

for Y34 Hydrant

1. 10104 Rod Stem
2. 10100 Packing Nut
3. 10101 Packing
4. 10102 Support Washer
5. 10105 Plunger

RK-Y1

for Y1 Hydrant

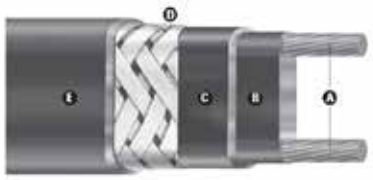
1. 10104 Rod Stem
2. 10100 Packing Nut
3. 10101 Packing
4. 10102 Support Washer
5. 10106 Plunger

(21)

Yard Hydrant Parts

CALL OUT	PART NO	DESCRIPTION	STOCK NO	EACH
For Model Y34				
1	15004	Head (with packing support washer)	WO15004	127.16
2	1003X	1" Pipe Casing (specify length)	Price on Application	
4	10105	Plunger (one piece)	WO10105	21.96
—	15003	Head Assembly, complete (see above)	WO15003	256.38
RK-Y34		Repair Kit (see above)	WORKY34	42.20
For Model Y1				
5	15002	Head (with packing support washer)		
6	1005X	1¼" Pipe Casing (specify length)	Price on Application	
7	10017	Valve Seat Body, 1" N.P.T. inlet		
8	10106	Plunger (one-piece)	WO10106	28.08
—	15001	Head Assembly, complete(see above)	WO15001	311.63
RK-Y1		Repair Kit (see above)	WORKY1	47.97
For either Y34 or Y1				
		Brass Hose Nozzles		
9	10003	1" FPT to ¾" male hose thread		
9	10004	¾" FPT to ¾" male hose thread		
10	10008	Lever		
11	10009	Upper Half of Link		
12	15007	Lower Half of Link with set screw		
13	15009	Clevis, with set screw		
—	15010	Hydrant Repair Kit		
15	10014	Disc Cam		
16	10015	Cam Retaining Pin		
17	10016	Spring Washer		
18	10019	Set Screw for Clevis and Link		
19	10020	Link Bolt, with nut (2 required), each		
20	10021	Lever Bolt, with nut		
21	1002X	Pipe Stem (specify length)	Price on Application	
23	10101	Packing	WO10101	4.59
24	10102	Packing Support Washer		
25	10103	Brass Rod Stem		

A. Buss Wires
Twin 16 AWG copper buss wires provide good current capability.
B. Matrix
A semiconductive polymer core whose electrical resistance varies with temperature. When process temperature drops, the core's heat output increases; conversely, as process temperature rises, heat output decreases.
C. Jacket
The flame retardant insulation jacket is a thermoplastic rubber material with excellent water resistance. It resists certain mildly corrosive chemicals.
D. Tinned Copper Braid
The braid covering the jacket provides an effective ground path and mechanical protection.
E. Overjacket
The Thermoplastic overcoat protects the braid, and is UV resistant.



NAMSR Self-Regulating Cable Spools



NAMSR Cable is constructed of a self-regulating polymer core that varies its output along its entire length, saving energy and eliminating hot spots along the pipe. Parallel construction makes it easier to install than series types of cable since it can be cut to length at any point on the pipe. It can be overlapped without overheating the cable. 10 year Warranty.

LENGTH	VOLTAGE	WATTAGE	STOCK NO	EACH
250'	120V	5W	WUSR5W1250	1621.73
500'	240V	5W	WUSR5W2500	3241.73



NAMSR Self-Regulating Kit with Plug

LENGTH	VOLTAGE	STOCK NO	EACH
50'	120V	WUSRK50	279.07
100'	120V	WUSRK100	475.20

Accessories

Power Connection Kit
Includes pipe mounting bracket and (1) end cap.

STOCK NO	EACH
WUSRPOWERKIT	61.34

Splice/Tee Kit
For Self-Regulated Cable. Includes (2) end caps.

STOCK NO	EACH
WUSRSPLICEKIT	40.61

End Seal Kit
For Self-Regulated Cable.

STOCK NO	EACH
WUSRENDKIT	22.46

Lit End Cap
For Self-Regulated Cable.

STOCK NO	EACH
WUSRLENDCAP	265.25

Plug-In Cord with GFCI
GFCI cord set NAMSR cable series. 15 amp rated, 120V.

STOCK NO	EACH
WUCRDS15GFI	82.94

Unjacketed Indoor Freeze Protection Cable

Cable Spool



This non-jacketed cable is suitable for indoor residential pipe protection. The finished installation may require tape or a thermostatic plug. The Warmup range offers the key advantage of 5W/linear foot of heat output. This high-output cable provides better results, better protection against frost, all with less cable required. 1 year Warranty.

LENGTH	VOLTAGE	STOCK NO	EACH
250'	120V	WUSR5W1250U	609.12

Accessories

Connection and End Cap



STOCK NO	EACH
WUSRHTMK	27.65

Application Tape
for UJ Cable series 1/2" W x 66' L



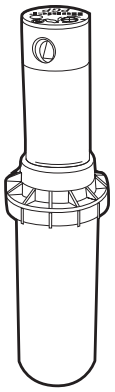
STOCK NO	EACH
WUSRTAPEUJ	19.01

Warmup®
The world's **best-selling** floor heating brand™

Sprinkling Equipment (34)

(Stocked in our St.Cloud branch Only)

hunterindustries.com



Hunter G-Type Gear Driven Single Stream Rotary Sprinkler

Model PGP 4" Pop-up Sprinkler with 12 interchangeable nozzles capable of varying the discharge rate from .4 GPM in a 15' radius to 14.4 GPM in a 52' radius.
Plastic riser, less check valve.

TYPE	RADIUS	FNPT INLET	MAX OPERATING PRESSURE	STOCK NO	EACH
Adjustable	*40-360°*	*¾"*	*75*	*PGPADJ*	*17.48*

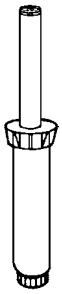
Rainbird Fixed Spray Sprinkler

4" spring retract pop-up sprinkler body only.
LESS NOZZLES.

STOCK NO	EACH
SRS04	*3.01*

Plastic Nozzles, Variable Arc with 15' Coverage

15VAN	*2.38*





Rainbird Plastic Nozzles

Hunter SRC Controller

- For residential or light commercial use.
- Easy to install.
- Indoor Mount cabinet.
- Up to 12 daily starts, 7-day calendar.
- Odd/even programming with 365-day clock.
- Rain sensor with easy override.
- AM/PM or 24 hour clock option.
- Start time stacking.
- Simple manual operation.



STATIONS	STATION TIMING	STOCK NO	EACH
6	*0-90 Minutes (one minute increments)*	*SRC600I*	*235.51*

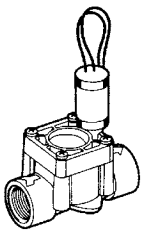
Control Wire



DESCRIPTION	STOCK NO	PRICE/FOOT
5-Wire 18 Ga. x 500'	*1805M500*	*.50*

Hunter Zone Valve

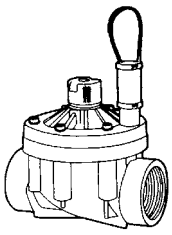
Plastic globe valve
Female slip inlet and outlet
Less flow control



SIZE	OPERATING RANGE TO	STOCK NO	EACH
1"	*125°*	*SRV100G*	*27.10*

Hunter Zone Valves

Glass-filled nylon 200psi globe valve.
With flow control.



SIZE	STOCK NO	EACH
1½"	*ICV151G*	*151.85*

3M Direct Bury Splice Kit



SIZE	STOCK NO	EACH
2-Pack	*DBY*	*11.38*

Ametek Valve Boxes



DESCRIPTION	DIMENSIONS	STOCK NO	EACH
Standard 12¼" Box	*21"L x 16"W*	*113BC*	*40.74*

NDS Round Valve Box



DESCRIPTION	DIMENSIONS	STOCK NO	EACH
Economy Valve Box	*6" Round*	*107BC*	*5.91*

Sprinkling Equipment (34)

(Stocked in our St.Cloud branch Only)

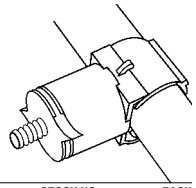
centralirrigationsupply.com

Tom King Blazing Saddles™ reduce costs of labor, training, tools, glue and primer as well as costly forgotten coring and drilling problems.

They are the quickest and easiest saddles on the market to install.

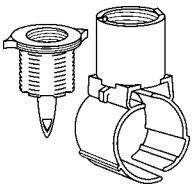
The higher the pressure the tighter the seal, and even if the saddles shift in the ground they continue to seal.

For both PVC and Polyethylene Poly Pipe.



"Blazing" Saddle

SIZE	STOCK NO	EACH
1 x swing pipe	1XSPBSA	4.93



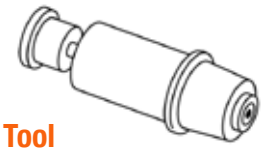
"Blazing" Saddles

SIZE	STOCK NO	EACH
1 x ¾"	1X34FPTSA	4.71



Plastic Saddles

SIZE	STOCK NO	EACH
1 x ½"	100C	2.87



Saddle Coring Tool

STOCK NO	EACH
HC45	38.60



Stainless Steel Clamps

SIZE	STOCK NO	EACH
1"	331R	.43
1¼"	425R	.51



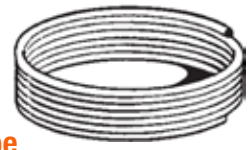
Oetiker Crimping Tool

STOCK NO	EACH
1098	38.41



Staking Flags

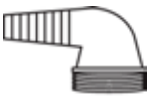
DESCRIPTION	STOCK NO	EACH
18" Blue	FLAG	.30



SP100 Swing Pipe

For use in conjunction with spiral barb fittings as a flexible swing joint assembly. 80PSI at 110 Fah.

SIZE	STOCK NO	EACH
½" x 100'	SP100	45.16



Spiral Barb Fittings

SIZE/DESCRIPTION	STOCK NO	EACH
½ MIP x ½ Barb 90 Ell	SBE050	.36
¾ MIP x ½ Barb 90 Ell	SBE075	.39

Deltro Pump Start Relay

STOCK NO	EACH
PSR122	213.90



(34)

KF100 Kleen-Flo Intake Screen

- For filtering water taken from lakes, streams, reservoirs, and similar sources.
- Rust-protected cylindrical metal cage with a fine-mesh flexible slip-over fiberglass screen.
- Threaded pipe fitting adaptable to any intake tap up to 2" in diameter.
- 9" diameter, 28" high.
- Pumping capacity of 6,000 gallons per hour.

STOCK NO	EACH
KF100	101.99

Kleen-Flo Replacement Bag

KF101	30.31



(18)

Rubber Garden Hose

Single braid, reinforced, brass coupled, green.

ID	LENGTH	STOCK NO	EACH
⅝"	50'	58X50RUHO	69.16

Hose Fittings



Double Male Brass Hose Nipple

M.I.P.	M.H.T.	STOCK NO	EACH
½"	¾"	12X34MHONI	14.26
¾"	¾"	34X34MHONI	12.89



Double Female Brass Hose Nipple

F.I.P.	F.H.T.	STOCK NO	EACH
Regular			
½"	¾"	12X34FHONI	9.66
¾"	¾"	34X34FHONI	13.42
Swivel			
¾"	¾"	34IPHOSW	13.91
F.H.T.	**F.H.T.**	**STOCK NO**	**EACH**
Swivel			
¾"	¾"	34X34HOSW	12.98



Male and Female Brass Hose Nipples

M.I.P.	F.H.T.	STOCK NO	EACH
½"	¾"	34X12MFHONI	12.14
M.H.T.	**F.I.P**	**STOCK NO**	**EACH.**
¾"	½"	12FIPX34MHTHONI	12.81
¾"	¾"	34FIPX34MHTHONI	16.48

Brass Hose End Cap

F.H.T.	STOCK NO	EACH
¾"	34215CAP	4.79



(21)

Garden Hose Washers

W-225 • ½, ⅝, ¾"

STOCK NO	EACH
KIW225	.27

For "Pipe-O-Let" fittings, see page 1031

Hose Fittings



Hose Coupling with Female End Only

HOSE SIZE	STOCK NO	EACH
⅝"	5885FHOC	14.48
¾"	3485FHOC	15.28



3/4" Hose Coupling

HOSE SIZE	STOCK NO	EACH
¾"	3485HOC	40.67

Globe Fire Equipment (18)

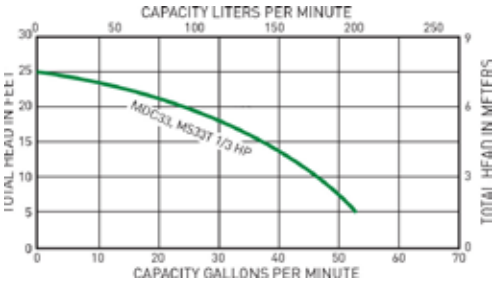


(18)

Globe Bulb Sprinklers

½"Orifice—½"NPT.

STOCK NO	EACH
Pendant	
12165PE	17.97



MS & MDC Series
Submersible Sump Pump

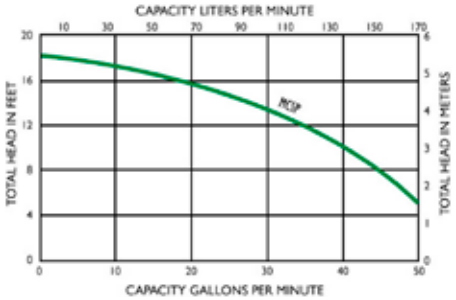
Zinc and cast iron construction. Raised inlet to prevent debris suction and reduce maintenance time. PSC motor to reduce energy consumption and provide a longer life. Multiple piggy-back automatic and manual switch options to fit in various basin sizes. 10' Cord 115v, 1½" NPT discharge connection.

Handles ¼" solids • 3 Year Warranty



MDC33V1

SWITCHING	HP	MAX GPM	MAX HEAD	STOCK NO	EACH
PB Vertical	*⅓*	*62*	*25*	*MDC33V1*	*312.92*



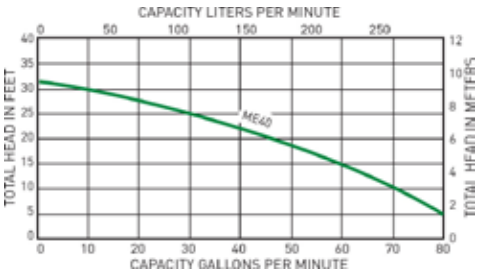
MCSP Series
Thermoplastic Pedestal Sump Pump

Fits 12" diameter x 24" deep or larger sump pits. Corrosion-Resistant Thermoplastic. Verticle rod actuated micro switch. 6' Cord 115v, 1¼" NPT Discharge.

Handles ⅛" solids • 3 Year Warranty



SWITCHING	HP	MAX GPM	MAX HEAD	STOCK NO	EACH
Vertical	*⅓*	*54*	*18*	*MCSP3*	*311.04*



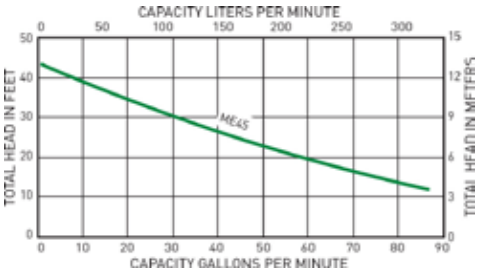


ME40 Series Effluent & Drain Water Pumps

Positive sealing, quick-connect float and switch cords. Enclosed design for high-efficiency pumping eliminates possibility of jamming between impeller and volute. Lower ball bearing and heavy-duty, type 6 seal for added pump life. 20' Cord 115v, 1½" NPT Discharge.

Handles ¾" solids • 3 Year Warranty

SWITCHING	HP	MAX GPM	MAX HEAD	STOCK NO	EACH
Manual	*4/10*	*80*	*32*	*ME40MC11*	*609.63*
Tethered	*4/10*	*80*	*32*	*ME40AC11*	*559.66*



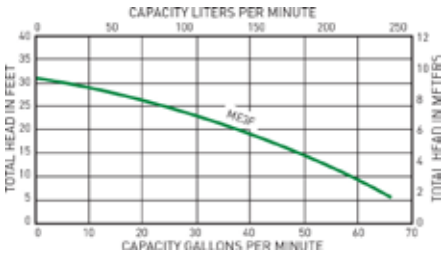


ME45 Series Cast Iron Submersible Effluent Pump

Positive sealing, quick-connect float and switch cords. Enclosed design for high-efficiency pumping eliminates possibility of jamming between impeller and volute. Lower ball bearing and heavy-duty, type 6 seal for added pump life. 20' Cord 115v, 2" NPT Discharge.

Handles ¾" solids • 3 Year Warranty

SWITCHING	HP	MAX GPM	MAX HEAD	CORD LENGTH	STOCK NO	EACH
Manual	*½*	*87*	*44*	*20'*	*ME45MC11*	*702.95*



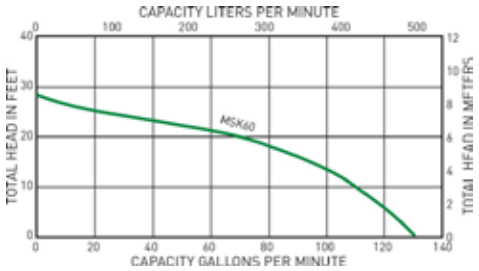


ME3 Series High Head and High Flow Submersible Effluent Pump

Overload protected, Oil-filled motor for maximum heat dissipation and continuous bearing lubrication. Cast iron construction. 20' Cord, 1½" NPT Discharge.

Handles ¾" solids • 3 Year Warranty

SWITCHING	HP	MAX GPM	MAX HEAD	VOLTAGE	STOCK NO	EACH
PB Tethered	*⅓*	*66*	*31*	*115*	*ME3F11P*	*561.88*

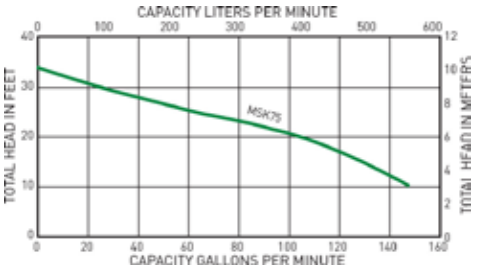




MSK60 Series
Wastewater & Sewage Pumps

Carbon/Ceramic type 21 mechanical seal.
Oil-filled motor with automatic reset thermal overload for maximum protection. Upper and lower single-row ball-bearing construction. 20' Cord, 2" NPT Discharge.
Handles 2" solids • 3 Year Warranty

SWITCHING	HP	MAX GPM	MAX HEAD	VOLTAGE	STOCK NO	EACH
Manual	*6/10*	*130*	*28*	*115*	*MSK60M1*	*1892.16*

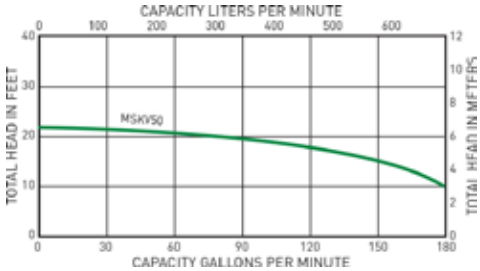




MSK75 Series
Wastewater & Sewage Pumps

Carbon/Ceramic type 21 mechanical seal.
Oil-filled motor with automatic reset thermal overload for maximum protection. Upper and lower single-row ball-bearing construction. 20'Cord, 2" NPT Discharge.
Handles 2" solids • 3 Year Warranty

SWITCHING	HP	MAX GPM	MAX HEAD	VOLTAGE	STOCK NO	EACH
Manual	*3/4*	*150*	*33*	*230*	*MSK75M2*	*2169.72*

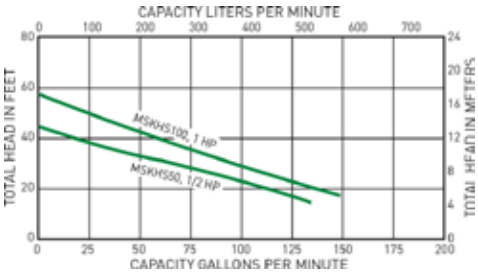




MSKV50 Series Sewage Pumps with Recessed Vortex Impeller

Allows pumping of stringy material and reduces clogging.
Carbon/Ceramic type 21 mechanical seal. Oil-filled motor with automatic reset thermal overload for maximum protection.
Lower single-row ball-bearing construction. 2" NPT Discharge 115v.
Handles 2" solids • 3 Year Warranty

SWITCHING	HP	MAX GPM	MAX HEAD	CORD LENGTH	STOCK NO	EACH
PB Tethered	*1/2*	*180*	*22*	*20'*	*MSKV50AW120*	*1027.98*

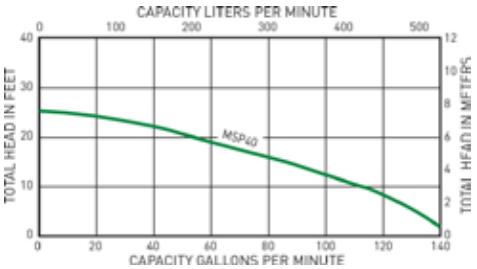




MSKHS Series
Wastewater & Sewage Pumps

Residential or comercial building applications.
Carbon/Ceramic type 21mechanical seal.
Oil-filled motor with automatic reset thermal overload for maximum protection. Upper and lower single-row ball-bearing construction. 20' Cord, 2" NPT Discharge.
Handles 2" solids • 3 Year Warranty

SWITCHING	HP	MAX GPM	MAX HEAD	VOLTAGE	STOCK NO	EACH
PB Tethered	*1/2*	*138*	*45*	*115*	*MSKHS50A1*	*2634.15*
Manual	*1*	*160*	*58*	*230*	*MSKHS100M2*	*2468.48*





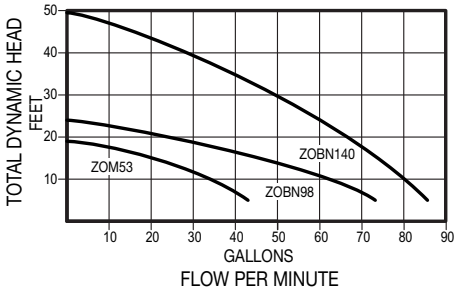
MSP40 Series Residential Sewage & Wastewater Pumps

Carbon/Ceramic type 21 mechanical seal. Oil-filled motor with automatic reset thermal overload for maximum protection. Upper and lower single-row ball-bearing construction. 2" NPT Discharge, 115v.

Handles 1¼" solids • 3 Year Warranty

SWITCHING	HP	MAX GPM	MAX HEAD	CORD LENGTH	STOCK NO	EACH
PB Diaphragm	*4/10*	*130*	*26*	*10'*	*MSP40A1*	*1198.29*

Myers®





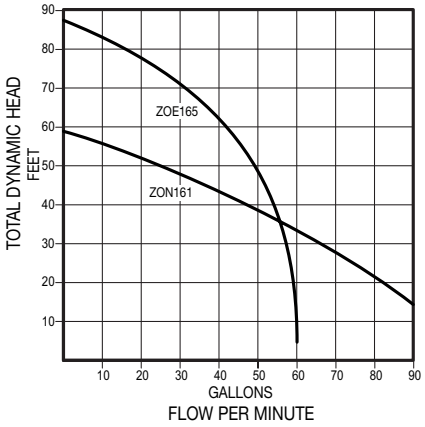


53/98/140 Series Cast iron Submersible Effluent Pump

"Flow-Mate" 1½" NPT Discharge

Models 53 & 98 Handles ½" solids • Model 140 Handles ¾" solids

SWITCHING	HP	RPM	CORD LENGTH	STOCK NO	EACH
Automatic	*⅓*	*1550*	*9'*	*ZOM53*	*303.71*
Automatic	*⅓*	*1550*	*35'*	*ZOM5335*	*384.97*
Piggyback Variable Level Float Switch					
Automatic	*⅓*	*1550*	*9'*	*ZOBN53*	*344.33*
Automatic	*½*	*1725*	*15'*	*ZOBN98*	*504.82*
Automatic	*1*	*3450*	*20'*	*ZOBN140*	*971.04*





161/165 Single Seal Series Submersible Effluent Pump

High Head "Flow-Mate" 1½" NPT Discharge

SWITCHING	HP	RPM	CORD LENGTH	STOCK NO	EACH
1Ph 115v					
Manual	*½*	*3450*	*20'*	*ZON161*	*1466.73*
1Ph 230v					
Manual	*1*	*3450*	*20'*	*ZOE165*	*1733.87*

264 & 267 Series Sewage/Effluent Pump

"Waste-Mate" 2" NPT Discharge

Piggyback Variable Level Float Switch

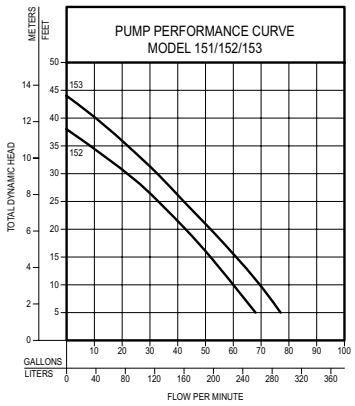
SWITCHING	HP	RPM	CORD LENGTH	STOCK NO	EACH
Automatic	*4/10*	*1725*	*15'*	*ZOBN264*	*560.68*
Automatic	*½*	*1725*	*10'*	*ZOBN267*	*679.54*

3" Flanged Discharge Kit

STOCK NO	EACH
ZO101306	*76.18*



NEW ITEM



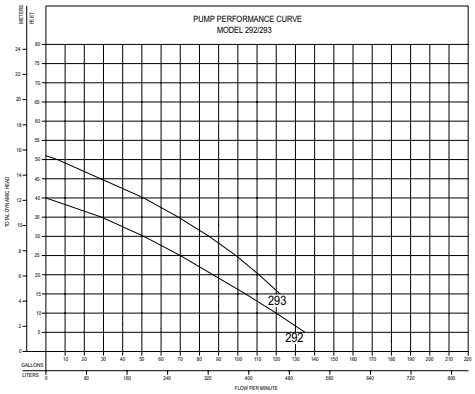


152/153 Series Effluent Pump

- ¾" Solids
- 1½" Discharge
- Includes 1½" - 2" PVC Adapter

Cast Iron

SWITCHIMNG	VOLTAGE	HP	RPM	CORD LENGTH	STOCK NO	EACH
Automatic	*115V*	*4/10*	*3450*	*20'*	*ZOBN152*	*548.51*
Manual	*115V*	*4/10*	*3450*	*20'*	*ZOBN152*	*548.51*
Manual	*230V*	*4/10*	*3450*	*20'*	*ZOE152*	*674.45*
Manual	*115V*	*½*	*3450*	*20'*	*ZON153*	*714.07*



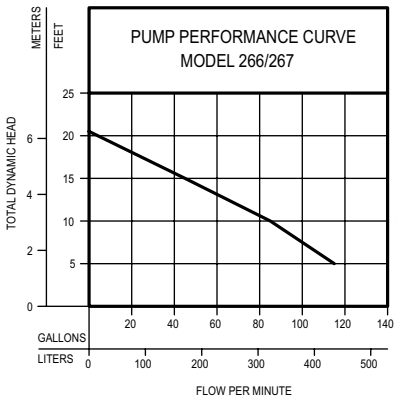
NEW ITEM



292/293 Series Sewage Pump

High Head "Waste-Mate" 2" NPT Discharge

SWITCHING	VOLTAGE	HP	RPM	CORD LENGTH	STOCK NO	EACH
Manual	*115V*	*½*	*3450*	*20'*	*ZON292*	*1457.58*
Manual	*230V*	*1*	*3450*	*20'*	*ZOE293*	*1623.16*



NEW ITEM



M267 Sewage Pump

Sewage Ejector "Waste-Mate" 2" NPT Discharge

SWITCHING	VOLTAGE	HP	RPM	CORD LENGTH	STOCK NO	EACH
Automatic	*115V*	*½*	*1725*	*10'*	*ZOM267*	*696.80*

Liberty Sump and Effluent Pumps (51)

libertypumps.com

Liberty 404/405 Drain Pumps



- Fully automatic operation
- QuickTree® technology
- Oil filled, thermally protected
- 3/8" solids-handling

Model 404 "Short Profile • Model 405 Commercial High-Head High Temperature

SIZE	HP	RPM	CORD LENGTH	DISCHARGE	CAPACITY	STOCK NO	EACH
11 1/8"H x 13 3/4"W	1/3	3450	10' 115V	1 1/2"	4.3 gal.	LI404	463.73
14 1/8"H x 13 3/4"W	1/2	3450	10' 115V	2"	5.5 gal.	LI405	662.18

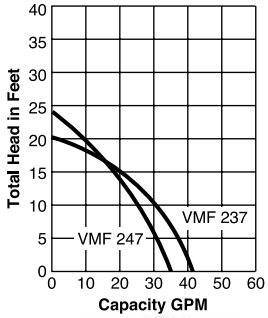
Liberty 247 Cast Iron Submersible Sump Pump



Automatic

- Patented VMF(vertical magnet float) switch technology
- Oil filled motor with thermal overload protection
- 1/4 HP, 115v, 60Hz, 3400 rpm, 9.2 amp motor
- One piece cast iron "uni-body", elimating lower motor seal ring
- For smaller pits, down to 10"
- 10' quick-disconnect cord
- 1 1/2" discharge and mid-mounted "peripheral-port" intake

Handles 1/4" solids



STOCK NO	EACH
LI247	264.26

Liberty 237 Aluminum/Polypropylene Submersible Sump Pump



Automatic

- Patented VMF(vertical magnet float) switch technology
- Oil filled motor with thermal overload protection
- 1/3 HP, 115v, 60Hz, 1725 rpm, 5.2 amp motor
- Body is finned anodized aluminum (better cooling) and polypropylene
- For smaller pits, down to 10"
- 10' quick-disconnect cord
- Removable base allows suction down to 1/8"

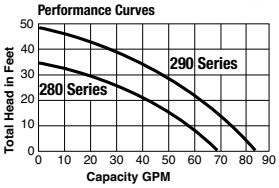
STOCK NO	EACH
LI237	270.34

Liberty 283-2 "Mid-Range" Submersible Sump/Effluent Pump



For on-site waste water systems, liquid waste transfer and commercial heavy-duty sump pump applications that require higher head or more flow.

- Vortex style impeller, permitting passage of solids up to 3/4"
- 416 stainless steel rotor shaft
- 1 1/2" discharge
- 25' UL approved piggy-back power cord



STOCK NO	EACH
Automatic • 1/2 hp • 55GPM @ 10'.	
LI2832	498.15
LI287	423.23
Automatic • 3/4 hp • 72GPM @ 10'	
LI2932	628.76

HT40/450 Series High Temp Submersible Pump



Automatic - 115v

SWITCHING	HP	SOLIDS	CORD LENGTH	DISCHARGE	STOCK NO	EACH
Automatic	4/10	3/4"	10'	1 1/2" FNPT	LIHT41A	704.70
Automatic	1/2	3/8"	10'	1 1/2" FNPT	LIHT453	572.06

FL Series Effluent Pumps



Cast iron housing. Oil-filled, hermetically sealed motors.

3/4" Solids Handling

SWITCHING	HP	VOLTAGE	RPM	CORD LENGTH	DISCHARGE	STOCK NO	EACH
Manual	1/2	115	3450	10'	1 1/2" & 2"	LIFL51M	993.26
Manual	1	208-230	3450	25'	1 1/2" & 2"	LIFL102M2	1448.89

PRG-Series Residential Grinder Pump



Manual - 115v

SWITCHING	HP	AMPS	CORD LENGTH	DISCHARGE	STOCK NO	EACH
Manual	1	12	10'	2" FNPT	LIPRG101M	1710.11

StormCell® Sump Pump Combo Series



Pre-assembled Primary Pump and Battery Backup System

- Model 457 Pump, 115 V
- 442-10A backup pump system
- 1-1/2" PVC piping with rubber coupler between primary pump and back-up pump
- Check valve included on primary and back-up pump
- Completely assembled
- 3/8" solids handling, maximum fluid temp 140° F

Battery not included see below.

SWITCHING	HP	AMPS	CORD LENGTH	DISCHARGE	NIGHTEYE	STOCK NO	EACH
Auto	1/2	7.3	10'	1 1/2"	No	LIPC45744210A	1655.44
Auto	1/2	7.3	10'	1 1/2"	Yes	LIPC45744210AEYE	2064.49

StormCell® Batteries



Group 27, Severe Duty

- Flooded Maintenace Free
- Amp hour rating - 105AH,
- RC minutes - 125,
- CA Rating - 875, Weight 47 lbs.

STOCK NO	EACH
LIB12V27WET	411.08

Liberty Model SJ10



Sump Jet Water Powered Back-Up Pump

- 1-1/4" Discharge.
- 3/4" NPT water inlet connection. (optional hose connector included)

Requires NO electricity.

STOCK NO	EACH
LISJ10	324.00

NightEye® Wireless Enabled Pump Alarm



Intelligent pump monitoring and alarms sent to your smart device with a free app download. No service or subscription fees. 120v with 9v battery backup. Audible alarms and LED warning lights on device. Two switch styles available.

Snap-on float not recommended for sewage applications.

MODEL	FLOAT STYLE	CORD LENGTH	STOCK NO	EACH
ALM-P1-EYE	Compact Snap-on	10'	LIALMP1EYE	536.63
ALM-2-EYE	Wide-angle	20'	LIALM2EYE	541.69

Residential Sewage Package

Durable 21" x 30" polypropylene basin
Pre-assembled with LE41A pump

STOCK NO	EACH
LI372LE41A	859.61

Pressure testable

LI372XLLE41A	954.79

P382LE41 Shallow Package Sewage System

4/10 HP, 115v, single phase
Automatic, 2" discharge

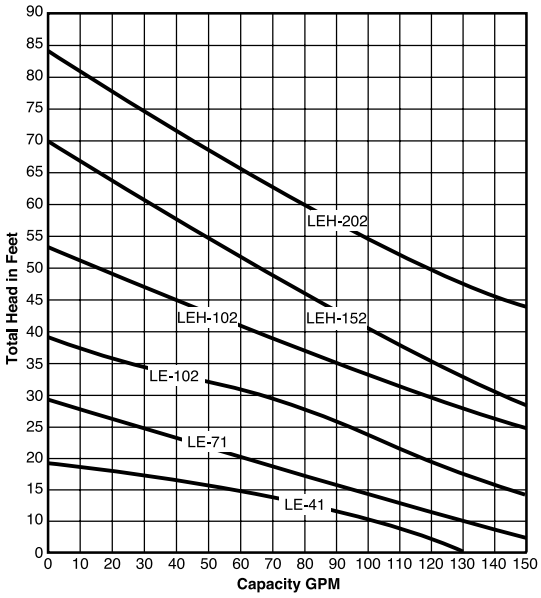
STOCK NO	EACH
P382LE41	859.61



8" Basin Extension

Includes: Gasket, stainless steel bolts and longer QuickTree for float mounting.
For PRO370 & PRO380

STOCK NO	EACH
LIX8	264.26




LE41/51


LE71/72/102

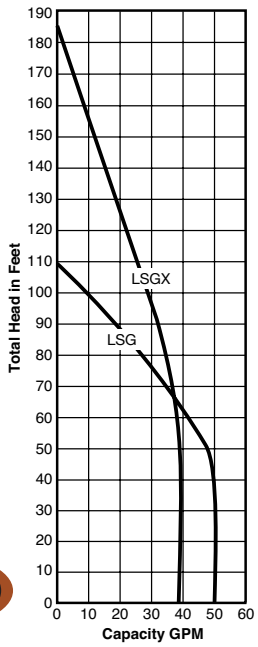

LEH1001/162/202

LE Series Sewage Pumps

Cast iron housing. Oil-filled, hermetically sealed motors.

SWITCHING	HP	RPM	CORD LENGTH	DISCHARGE	STOCK NO	EACH
115 Volts • Handles 2" solids						
Automatic	4/10	1550	10'	2" FNPT	LILE41A	564.98
Manual	1/2	1725	25'	2" Flanged	LILE51M2	616.61
Manual	3/4	1725	25'	2" Flanged	LILE71M2	1022.63
208/230 Volts • Handles 2" solids						
Manual	3/4	1725	25'	2" Flanged	LILE72M22	1117.80
Manual	1	1725	10'	2" Flanged	LILE102M2	1128.94
Manual	1 1/2	3450	10'	2" Flanged	LILEH152M2	2022.98
230 Volts • Handles 2" solids						
Manual	1	3450	10'	2" Flanged	LILEH102M2	1303.09
Manual	2	2450	10'	2" Flanged	LILEH202M2	2228.51

LIK001008 & LIK001059 Quick-Connect to use with LE and FL Pumps




LSGX202-RE LSGX202-REX

LSGX Series Grinder Package - Omnivore

The RE/REX-Series is engineered as an easy drop-in core replacement for E/One® GP200, GP2000 and Extreme D-Series systems.
Includes 8' drop rope. 208/230 Volts.
"RE" models use GP200/GP2000 systems.
"REX" models use new Extreme D-series hooded connetor.

SWITCHING	HP	DISCHARGE	CORD	STAGE	STOCK NO	EACH
Automatic	2	1 1/4 NPT	10'	2 Stage	LILSGX202RE	5724.68
Automatic	2	1 1/4 NPT	10'	2 Stage	LILSGX202REX	5787.45



LSG Series Grinder Pump - Omnivore

V-Slice technology. Stainless steel impeller.
208/230 Volts

SWITCHING	HP	RPM	CORD LENGTH	DISCHARGE	STOCK NO	EACH
Automatic	2	3450	25'	1 1/4" FNPT	LILSG202A	2631.49
Automatic	2	3450	25'	1 1/4" FNPT	LILSGX202A	3731.06

Accessories

Cast Iron 90° Ell

With gaskets & stainless steel bolts

MODEL	STOCK NO	EACH
G90	LIG90	57.71

Cast Iron Guide Rail Base

With internal ball check valve

MODEL	STOCK NO	EACH
GR20	LIGR20	236.93

Replacement Cords

25' Quick Connect

VOLTAGE	STOCK NO	EACH
115v	LIK001008	48.60
230v	LIK001059	48.60

Piggy-Back Float Switch

25 foot for LSG Grinder Pumps, H152 & H202 Sewage Pumps

STOCK NO	EACH
LIK001136	154.91

ACV125

Anti-Siphon Check Valve

STOCK NO	EACH
LIACV125	118.46

3" Flanged Discharge Kit

STOCK NO	EACH
LIK001222	52.65

Glentronic Sump Pump Equipment (51)

glentronics.com

PHCC Pro Series Battery Backup Sump Pump Systems

Designed for the Professional Contractor
Continuous duty submersible pump

- Stainless steel shaft, rulon seal and rust-proof housing provides long-lasting, reliable operation.

System controller

- Continously monitors battery and power conditions to ensure dependable operation
- Sounds alarm when:
  - AC power is out or circuit has blown
  - battery fluid is low and water needs to be added
  - pump was activated
  - battery is discharged, defective or the terminals need cleaning

Pro 1000 Standard



- Trickle charger maintains battery at full charge
- Controller sounds alarm when charger is charging battery
- Pumps 1000GPH at 10 ft. lift.

Not Wi-Fi Compatible with PSWIFI.

STOCK NO	EACH
PHCC1000	335.12

Pro Series 1850



- Pumps 1850 GPH at a 10' lift.
- Stainless steel shaft, rulon seal, and rustproof housing.
- Run dry without damage.
- USB Data Port

B1000 battery not recommended.

STOCK NO	EACH
PHCC1850	591.79

Pro Series 2400



- Controller sounds alarm when pump is clogged or defective
- Fully automatic 13 amp charger; runs pump when AC power is available w/o draining the battery
- Pumps 2400 GPH at 10 ft. lift.

B1000 battery not recommended.

STOCK NO	EACH
PHCC2400	1101.44

PHCC Pro Series WiFi Module



- Sends emails or text notifications and status alerts to your phone, tablet or computer
- WiFi Module is inexpensive with no required monthly or yearly fees or subscriptions

Use with PHCC1850, PHCC2400, PSC22, PSC33, or DFC2 & VSC2 on page 1709.

DESCRIPTION	STOCK NO	EACH
Wifi module	PSWIFI	157.42
High water float	HWF	32.88

See page 1934 for Sump System Cleaner

Glentronics Back-up Combination



Pre-assembled primary pump, back-up pump, controller, battery box & battery fill bottle.

STOCK NO	EACH
S1033 Primary/PHCC-1000 (Not Wi-Fi Compatible)	
PSC11	797.65
S1033 Primary/PHCC-1850	
PSC22	988.92
S3033 Primary/PHCC-2400	
PSC33	1591.97

***Batteries and Battery Acid Sold Separately.**

Standby Batteries



B12-100

- Accommodate fluid sensor for Pro Series sump pumps
- Normally five to seven year life

STOCK NO	EACH
B12100 (Maintenance Free)	443.89

Pro Series Water Alarm

NEW ITEM



- Battery will last up to 24-48 months
- Uses 9 volt battery (not included)
- The 110 db alarm will sound when as little as 1/32" of water reaches the sensor

STOCK NO	EACH
PWA2	24.66

Sump Foot



- High impact polypropylene with pre-drilled holes.
- Provides solid base for a single pump,
- either backup or primary pump.

STOCK NO	EACH
SF1A	17.24

Klunkless Check Valve



- Features a silencing air chamber that absorbs the
- sound that normally occurs after a pump shuts off.
- The valve installs easily on both 1 1/2" and 1 1/4"
- pipes with no gluing required.

STOCK NO	EACH
CCV1	30.28

Klunkless Quiet Check Valve



- (2) 1½" rubber unions can be mounted horizontally or vertically
- (4) Stainless-steel hose clamps included
- Flapper opens completely for maximum flow

SIZE	STOCK NO	EACH
1½"	PSCVKSRRU15	33.89
2"	PSCVKSRRU20	49.05



Glentronics S3050-NS

Cast iron/stainless steel construction, PSC motor.

NO SWITCH • 115 Volts • 65 GPM @ 10'

DISCHARGE	HP	MAX HEAD	CORD	G/WH	STOCK NO	EACH
2"	1/2	33'	20'	7.6	S3050NS	463.89



Glentronics ST1033-NS

Cast iron industrial grade primary pump, PSC motor.

NO SWITCH • 115 Volts • 46 GPM @ 10'

DISCHARGE	HP	MAX HEAD	CORD	AMPS	STOCK NO	EACH
1½"	1/3	29'	10'	3.8	S1033NS	210.49



Glentronics S3033-NS

Cast iron/aluminum industrial grade primary pump.

NO SWITCH • 115 Volts • 50 GPM @ 10'

DISCHARGE	HP	MAX HEAD	CORD	G/WH	STOCK NO	EACH
1½"	1/3	30'	10'	6.25	S3033NS	356.64



Glentronics E7040-NS & E7105-NS

Cast iron sewage pump.

NO SWITCH • 115 Volts • 10' Cord

DISCHARGE	HP	GPM @ 10'	GPH @ 10'	MAX HEAD	STOCK NO	EACH
2"	4/10	74	4440	22'	E7040NS	413.67
2"	1	100	6000	32'	E7105NS20	752.94



Glentronics E7055-NS

Cast iron sewage pump.

NO SWITCH • 115 Volts • 89 GPM @ 10'

DISCHARGE	HP	RPM	CORD	G/WH	STOCK NO	EACH
2"	1/2	3450	10'	5.3	E7055NS	496.25



Glentronics CIS-33V

Cast Iron Sump/Effluent pump. Energy efficient PSC motor.

Vertical float switch • 115 Volts • 53 GPM @ 10'

DISCHARGE	HP	GPM@10'	CORD	STOCK NO	EACH
1½"	1/3	53	10'	CIS33V	329.70

Pump Alternator Control and Alarm System



- Prolongs pump life by alternating two primary pumps
- Runs both pumps if top float is activated
- If one pump fails the other pump will take over and an audible alarm will sound
- Remote terminal allows the unit to connect to Pro Series WiFi, security system, auto dialer or other device
- Includes two vertical float switches which can be unplugged from the Alternator for easy installation
- Angled receptacles to accept standard or right angled pump plugs
- Built in circuit breakers (15 Amps)
- 9 ft. long power cord and 9V Battery backup with "High Water Alarm"

STOCK NO	EACH
DVSAVS	1023.34

Quick Connect Pipe



Pre-Assembled discharge pipe:

- 1½" Rubber coupling
- 1½" Check valve
- Pre-Cemented Female adapter
- Pre-drilled weep hole
- Discharge pipe
- Pre-Cemented Threaded male adapter

STOCK NO	EACH
PSMP	38.07

Dual Float Controllers



STOCK NO	EACH
Standard	
DFC1	89.01
Enhanced	
DFC15	101.61
Deluxe	
DFC2	122.66

Water Sensor

For Deluxe Dual Float Controller DFC2



STOCK NO	EACH
PSWS	34.41

Sensor & Control

Deluxe Controller with Vertical Switch



STOCK NO	EACH
VSC2	158.76

SJE Verticalmaster® Pump Switch

This mechanically-activated pump switch is designed to operate in non-potable water and sewage applications with limited space. It works well in small sump chambers, effluent applications, and laundry trays, and in large tanks.



VOLTAGE	CABLE LENGTH	STOCK NO	EACH
120V	15'	1076765	96.26
230V	15'	1003773	96.34

Topp Sump and Sewage Tanks (51)

toppindustries.com



Evolution E-Series Structural Foam Basins

- 180° flat pockets for positive grommet seal
- Self-tapping hardware, no inserts to corrodeor protect
- No external stacking ribs to interfere if using external filtration
- All covers gas and odor tight with included gasket kit
- Approved for use in radon mitigation applications
- Improved design provides increased structural integrity with less material for improved value and ease of handling
- Accommodates 4" composite inlet hubs

TANK ONLY • Tank Covers Sold Separately

INLET GROMMET	GALLON CAP.	SIZE	STOCK NO	EACH
Basin Only	22	18x22"	E22200	52.94
Basin Only	30	18x30"	E32400	92.07
4"	30	18x30"	E324001	102.43
4" w/Hub	30	18x30"	E324002	104.73
Basin Only	68	24x36"	E53200	287.72
Basin Only	105	30x36"	E64100	438.48

Evolution E-Series Cover Options



DESCRIPTION	STOCK NO.	EACH
18" Solid Foam Cover	EC18EWSF	47.19
18" Simplex w/Gaskets	EC18G2	55.24
18" Simplex w/Flanges	EC18FO1CDS	57.54
18" Foam Radon Cover with 3"Vent & 2" Discharge	EC18FO1EDS	57.54
18" 2-PC Foam Cover	EC18TSFG2	81.71
24" Simplex w/Gaskets	EC24G2	162.27

Ultra-Poly Basin



Unique design gives added support to a shallow clearance, high capacity Poly Basin. Compatible with all our 18" covers. Heavy duty version available.

(4 x 4 & 4 x 3 flexible coupling)

SIZE	STOCK NO	EACH
24" x 24"	B2424	209.46



Filament Wound Basins

SIZE	DESCRIPTION	STOCK NO	EACH
18" x 84"	w/Anti-Float Ring	FB18X084F	842.44
24" x 36"		FB24X036F	668.66
24" x 48"	w/Anti-Float Ring	FB24X048F	789.50
24" x 72"	w/Anti-Float Ring	FB24X072F	998.96
24" x 84"	w/Anti-Float Ring	FB24X084F	1130.16
24" x 96"	w/Anti-Float Ring	FB24X096F	1276.32
30" x 36"		FB30X036F	931.06
30" x 48"	w/Anti-Float Ring	FB30X048F	1047.30
36" x 48"	w/Anti-Float Ring	FB36X048F	1299.34
30" x 72"	w/Anti-Float Ring	FB30X072F	1420.18
36" x 72"	w/Anti-Float Ring	FB36X072F	1643.45

Extension

18" x 24"

For use with Filament Wound Tanks

STOCK NO	EACH
FB18X024E	328.00

Fiberglass Extension



DESCRIPTION	STOCK NO.	EACH
12" For 24" ID Fiberglass Basin	FB24X012E	347.56
12" For 30" ID Fiberglass Basin	FB30X012E	496.03
12" For 36" ID Fiberglass Basin	FB36X012E	566.23



Solid Steel Covers

Epoxy coating provides a tough and durable surface.

SIZE	DESCRIPTION	STOCK NO	EACH
18"	14 Gauge 1/4" Solid	C18WSH	136.95
24"	14 Gauge 1/4" Solid	C24WSH	317.64
30"	14 Gauge 1/4" Solid	C30WS	393.60
36"	14 Gauge 1/4" Solid	C36WS	562.78



Simplex Steel Covers

Epoxy coating provides a tough and durable surface.

SIZE	DESCRIPTION	STOCK NO	EACH
18"	1/4" Thick Simplex	C18SSH	141.56
24"	1/4" Thick Simplex	C24SSHO1CDP	344.11



Simplex Steel Cover with Access Plate

The 4-bolt pump access plate offers ease in the basin for pump installation and removal. Blank inspection plate provides quicker access for pump inspection.

SIZE	DESCRIPTION	STOCK NO	EACH
24"	1/4" Thick Simplex w/Access	C24SSAO1CDP	574.29
30"	1/4" Thick Simplex w/Access	C30SSA	651.40



Duplex Steel Covers with Access Plates

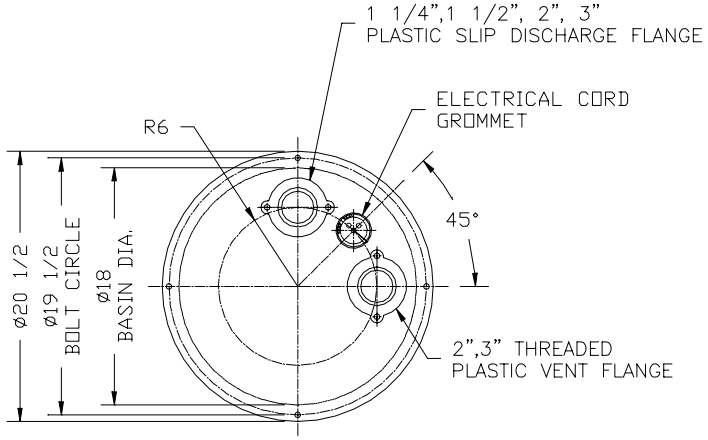
Includes two pump access plates to aid pump installation and removal. Blank inspection plate provides quicker access for pump inspection.

SIZE	DESCRIPTION	STOCK NO	EACH
30"	1/4" Thick Duplex w/Access	C30DSA	731.96
36"	1/4" Thick Duplex w/Access	C36DSA	890.78

Fiberglass Covers

Corrosion resitance and non-skid with access.

SIZE	DESCRIPTION	STOCK NO	EACH
30"	1/2" Duplex w/Access	C30DFAO1CDN	704.34
30"	1/2" Solid Simplex w/Access	C30SFAO1CDN	624.93



Plastic 2-Bolt Pipe Flanges



Corrosion resistant threaded vent & slip discharge flanges.

PIPING SIZE	DESCRIPTION	STOCK NO.	EACH
1¼"	Slip Flange w/O-Ring	PF125S	23.02
1½"	Slip Flange w/O-Ring	PF150S	23.02
2"	Threaded Flange	PF200T	27.62
3"	Threaded Flange	PF300T	28.77
3"	Slip Flange w/O-Ring	PF300S	28.77

Stop "N" Seal Inlet Hub



Pipe seal for 4" piping through a 5" hole.
Your piping will penetrate about 13/4" and stop.

SIZE	STOCK	EACH
4"	H400R	18.41

Rubber Sleeve Full Flow Swing Check Valves



Full flow check valves were engineered to increase performance and for installation ease.

SIZE	STOCK NO	EACH
2"	CV200R	27.62

Cast Iron Caulking Inlet Hubs



SIZE	STOCK NO	EACH
4"	H400C	92.07
4" on 18" Dia. Basin	H401FG18	49.49

Boshart Check Valves

(02)
FRC Standard Sump Check Valve



Full port valve design with flapper that opens 100% and is seated on a 15° angle to reduce water hammer when the pump shuts off.

SIZE	STOCK NO	EACH
1½"	BSC150SB	10.22

(02)
Sump & Sewage Check Valve



Full port valve design with flapper that opens 100% and is seated on a 15° angle to reduce water hammer when the pump shuts off. Also features a blow out proof nylon reinforced gasket design.

SIZE	STOCK NO	EACH
2"	BSC200SB	20.74

(02)
Combination Swing/Check Valve



PVC Slip Union Inlet & Slip Outlet • 150 PSI @ 72°F

SIZE	STOCK NO	EACH
1½"	17SCBV15SU	34.92
2"	17SCBV20SU	52.88

(02)
Swing Check Valve Slip Union Quiet



PVC Slip Union Inlet & Outlet • 150 PSI @ 72°F

SIZE	STOCK NO	EACH
2"	17QSCTU20	47.17

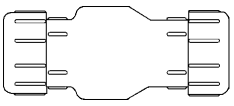
Solvent Weld PVC Check Valve



- Full flow design.
- No metallic parts, corrosion resistant.
- Angle seat and weighted flapper design for low pressure seal.
- Ideal for close working areas, easy pipe alignment.
- Designed for both horizontal and vertical usage.

SIZE	STOCK	EACH
2"	CV200TU	89.77

(00b)
Plastic Compression-Type Check Valve



SIZE	STOCK NO	EACH
2"	CV200P	44.93
3 x 3"	3GP	287.73

(00b)
Sump Discharge Kit

DESCRIPTION	STOCK NO.	EACH
24' Tubing	SPDK150M	15.32

Zoeller Granby Check Valves

(51)
PVC Quiet Check Valve



No unions, solvent weld only

SIZE	STOCK NO.	EACH
3" White	ZO300044	110.71

American Granby Check Valves

(02)
SPCV Silent Sump Check Valve



Stainless steel clamps included

SIZE	STOCK NO	EACH
1½"	SPCV150SL	30.52
2"	SPCV200SL	38.85

Alderon Pump Control Alarm Systems

Alderon Standard Sewage Control Panels



- Float Control
- 3 - 20 ft. Control Switches Included
- Pipe Clamp, Stainless Steel

NEMA 4x • Indoor/Outdoor Enclosure

VOLTAGE	STOCK NO	EACH
Single Phase Simplex		
120/230 1-7 Amps	*AL2010533*	*629.02*
120/230 7-15 Amps	*AL2010534*	*629.02*
Single Phase Duplex		
120/230 1-7 Amps	*AL2010536*	*1114.65*
120/230 7-15 Amps	*AL2010537*	*1114.65*

Altra™ - Control Switch



120/240VAC with 20' cord.

STOCK NO	EACH
AL2001536	*59.21*

BIG SWITCH™ Pump Control



STOCK NO	EACH
120v 15amp with Piggyback Plug	
AL7055	*126.94*
230v with Piggyback Plug	
AL7057	*129.99*

Doublemax™ Pump Control

STOCK NO	EACH
15' Cable, 120v	
AL7633	*195.93*
15' Cable, 230v	
AL7651	*201.22*

Power Post™ Monitoring System



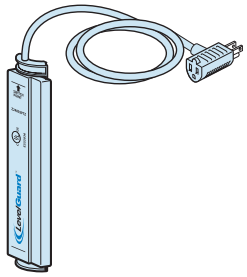
Pump cycle counts, pump amps, elapsed time, total gallons pumped, alarm conditions and more.

- 120VAC Pump
- 20' Alarm float and 20' Filter Switch
- 2½" Riser Connection Kit

STOCK NO	EACH
PPMS14X2	*643.60*

Pump Control Alarm Systems

Model Z24802PTZ LevelGuard Pump Control



- 120v 15amp.
- 8' cord.
- 5 Year Limited Warranty.

STOCK NO	EACH
Z24803PTZ	*185.98*

Indoor Versa'alarm™



Auto Reset, Battery Back-Up and Auxiliary Contacts.

STOCK NO	EACH
Tank Alarm 15' High Lever	
AL7001	*143.09*
Flood Alarm 15' with Waterspotter	
AL7003	*154.51*

Indoor/Outdoor Versa'alarm™

Auto Reset, Battery Back-Up and Auxiliary Contacts.

STOCK NO	EACH
Tank Alarm 15'	
AL7004	*282.92*

Accessories

Expanded Applications

STOCK NO	EACH
Waterspotter Flood Sensor	
AL7008	*47.95*
Waterspotter Probe Pump Sensor	
AL7009	*56.70*

Hytra™ High Temp Pump Switch



NEW ITEM

13 Amps, 16 AWG, Wide Angle, Pump Down, Normally Open, Stainless Steel Pipe Clamp, 120VAC, Piggyback Plug, 20' Cable, Boxed

STOCK NO	EACH
AL2000658	*131.54*

Hytra™ High Temp Control Switch



NEW ITEM

120/240VAC, 5 Amps (standard), Narrow Angle, High Level, Normally Open, Stainless Steel Pipe Clamp, 20' Cable, Boxed

STOCK NO	EACH
AL2000578	*114.72*

Part Number	Description	Versa'larm	Unimax Mech	WaterSpotter	WaterSpotter Probe	Furnace Fail	Auto Dialer
7001	**Tank Alarm** (Versa'larm with Unimax Mech. Control Switch	X	X				
Accessories (Expanded Applications)							
7008	**WaterSpotter** (Flood Sensor)			X			
7009	**WaterSpotter Probe** (Pump Sensor)				X		
7018	**Low Temp Sensor** (Both 7006 & 7019 are Needed)					X	
7006	**Auto Dialer:** 1 Common message used for all sensors						X
7019	**Auto Dialer:** 2 different messages, one for water, one for furnace fail						X

Goldline Drainage Products



4" x 100' Drain Pipe with Sock

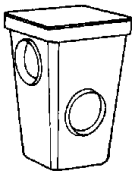
100' coil

STOCK NO	EACH
4X100DRPIWS	119.48

Goldflo® Dual Wall Pipe

- Plain end pipe, smooth interior, corrugated exterior.
- Long term durability.
- Superior flow rates.
- Requires split couplers.

SIZE	STOCK NO	EACH
24"x20'	24X20GFDRPI	943.30



Drainage Boxes

Tough, high-density polyethylene. Watertight, needs no grouting.

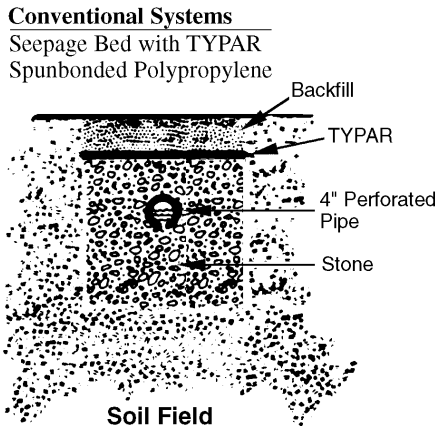
STOCK NO	EACH
With 4 holes (2" drop) and lid	
DB042	46.44

4-Hole Drop Box

STOCK NO	EACH
DB042PERF	43.20
DB042IP4	46.44

Typar Fabric

srwproducts.com



Reemay Typar Geotextile Fabric

- Protective cover for the top of the septic field.
- Allows passage of air and water.
- Prevents contamination and clogging of field by surrounding soil.
- Does not deteriorate.
- Enhances performance life of septic fields.
- More pervious than natural soil of field.
- Rot, insect, mildew and chemical resistant.
- Dimensionally stable, wet or dry.
- Helps minimize field maintenance.
- Tough, resists damage during construction.
- Cuts easily with a knife.

SIZE	STOCK NO	EACH
36"x300'	36X300TY	123.53
72"x300'	72X300TY	247.06
144"x300'	144X300TY	503.60

(02)

Schedule 40 Insulated PVC Pipe

SIZE	STOCK NO	EACH FT
2"	2X10INSPV	26.34
4"	4X10INSPV	37.07

Sanivite Commercial and Residential Drain Pump



Used to pump gray water away from a variety of fixtures in commercial and residential applications.
Small enough to fit inside a kitchen cabinet with the capability to handle hot water and grease buildup.

- Discharges through 1" or 1½" rigid pipe; A non-return valve is included.
- Discharges the waste up to 16 feet vertical and/or 150 feet horizontal.
- 1½" vent connection on top of the lid.
- Two 2" inlets with built-in check valves on either side of the housing and one 1½"inlet on top of the enclosure.

1" HP Motor, 120V-60Hz / 9 Amps, 42½" Power Cord

SIZE HxWxD	1" DISCHARGE RATE AT 16 FEET	1" DISCHARGE RATE AT 3 FEET	CAPACITY	STOCK NO	EACH
11" x 14½" x 7½"	*18 GPM*	*29 GPM*	*3.7 gal.*	*SANIVITE*	*610.46*

Saniswift Residential Drain Pump



Used to pump gray water away from a variety of fixtures in residential applications.
Powerful and economical with a compact design and multiple inlets.

- Discharges through 1" or 1½" rigid pipe; A non-return valve is included.
- Discharges the waste up to 14 feet vertical and/or 140 feet horizontal.
- 1½" vent connection on top of the lid.
- Two 1½" inlets with built-in check valves on either side of the housing and one 1½"inlet on top of the enclosure.

1" HP Motor, 120V-60Hz / 9 Amps, 42½" Power Cord

SIZE HxWxD	1" DISCHARGE RATE AT 16 FEET	1" DISCHARGE RATE AT 3 FEET	CAPACITY	STOCK NO	EACH
8¾" x 9" x 10¼"	*18 GPM*	*24 GPM*	*2.75 gal.*	*SANISWIFT*	*397.13*



Style 38 Dresser Coupling

With Armored Gasket

PIPE SIZE	PIPE O.D.	LGTH	STOCK NO	EACH
For Steel Pipe				
2½	2.875	9½"	21238C	261.75
3*	3.500	8"	338C	267.34
4*	4.500	8"	438C	285.11
5	5.563	8"	538C	440.96
*** Stab Couplings**				

Galvanized Male Adapter

SIZE	STOCK NO	EACH
1"	1GA65MA	62.11



Style 65 Dresser Coupling

PIPE SIZE	STOCK NO	EACH
Galvanized - Regular Pattern		
½"	12GA65	41.28
¾"	34GA65	48.26
1"	1GA65	65.14
1¼"	114GA65	72.05
2"	2GA65	98.55
Galvanized - Long Pattern		
½"	12GA65L	38.48
¾"	34GA65L	42.35
1"	1GA65L	51.11
1¼"	114GA65L	70.32
1½"	112GA65L	82.16
2"	2GA65L	106.19

See page 1309 for Stainless Steel Watermain Repair Clamps



Style 90 Dresser Coupling

PIPE SIZE	FITS O.D. PIPE SIZE	STOCK NO	EACH
5" Barrel			
1"	1.315"	190C	78.14
2"	2.375"	290C	123.67



Elbow
Copper Flared x Copper Flared

SIZE	STOCK NO	EACH
¾"	34AY4761	56.84
1"	1AY4761	94.59
2"	2AY4761	549.19



Elbow
Copper Flared x MIP

SIZE	STOCK NO	EACH
¾"	34AY4779M	45.21
1"	1AY4779M	74.98



Tee
All Copper Flared Connections

SIZE	STOCK NO	EACH
¾"	34AY4760	100.08
1"	1AY4760	167.90
1½"	112AY4760	438.59



Tee
McQuik Compression x McQuik Compression

SIZE	STOCK NO	EACH
¾"	34AY4760Q	139.90
1"	1AY4760Q	149.58
1x¾"	1X34AY4760Q	153.64



Flared Nut
No Gasket

SIZE	STOCK NO	EACH
¾"	34AY4700	11.73
1"	1AY4700	19.43



Flared Reducing Nut
Flare x Female Flare Thread

SIZE	STOCK NO	EACH
¾ x 1"	34X1AY4755	63.26
1 x ¾"	1X34AY4755	63.91



Tube Liners

SIZE	STOCK NO	EACH
¾"	34IPSLINER	5.09
¾"	34CTSLINER	4.51
1"	1CTSLINER	4.79
1¼"	114CTSLINER	5.87
1½"	112CTSLINER	6.59
2"	2CTSLINER	6.59



Adapter
Copper Flared x MIP

SIZE	STOCK NO	EACH
¾"	34AY4753	42.19
1"	1AY4753	60.25
1¼"	114AY4753	120.11
1½"	112AY4753	185.81
2"	2AY4753	341.08



Adapter
Copper Flared x FIP

SIZE	STOCK NO	EACH
¾"	34AY4754	41.69
1"	1AY4754	63.79
11¼"	114AY4754	119.93
1½"	112AY4754	171.10
2"	2AY4754	322.22



Adapter
McQuik Compression x MIP

SIZE	STOCK NO	EACH
¾"	34AY4753Q	47.47
1"	1AY4753Q	56.23
1¼"	114AY4753Q	107.45
1½"	112AY4753Q	153.94
2"	2AY4753Q	224.30



Adapter
McQuik Compression x Female

SIZE	STOCK NO	EACH
¾"	34AY4754Q	49.91
1"	1AY4754Q	67.70
1¼"	114AY4754Q	123.62
1½"	112AY4754Q	196.95
2"	2AY4754Q	234.43



IPS Adapter
3Q McQuik Compression x MIP

SIZE	STOCK NO	EACH
1"	1AY47533Q	91.30



IPS Adapter
3Q McQuik Compression x FIP

SIZE	STOCK NO	EACH
1"	1AY47543Q	78.58



IPS Adapter
CTS Polyethylene "-22" Mac-Pak Compression x MIP

SIZE	STOCK NO	EACH
1¼" x 1"	114X1AY7475322	100.17



IPS Adapter
"-3Q" McQuik Compression x MIP

SIZE	STOCK NO	EACH
1"	1AY7475333	91.30



Coupling, 2 Part
Female Flare Thread x Flare Nut

SIZE	STOCK NO	EACH
¾"	34AY4756	46.94
1"	1AY4756	72.70
1½"	112AY4756	175.26



3 Part Coupling
Copper Flared x Copper Flared

SIZE	STOCK NO	EACH
¾"	34AY4758	53.27
1"	1AY4758	93.35
1¼"	114AY4758	191.50
1½"	112AY4758	280.15
2"	2AY4758	457.14



(36)
Q22
Ford Flare Coupling
Flare x X-Strong Lead Compression

SIZE	STOCK NO	EACH
⅝"	58LX1FCO	97.56
¾"	34LX1FCO	150.07



3 Part Coupling
Coupling 22 CTS x 33 PEP

SIZE	STOCK NO	EACH
1"	1AY747582233	104.31



3 Part Union
Coupling 33 PEP x 33 PEP

SIZE	STOCK NO	EACH
1"	1AY7475833	144.19



3 Part Union
Coupling Q CTS x Q CTS

SIZE	STOCK NO	EACH
¾"	34AY4758Q	57.77
1"	1AY4758Q	66.10
1¼"	114AY4758Q	114.10
1½"	112AY4758Q	221.14
2"	2AY4758Q	298.63



3 Part Union
Coupling 3Q PEP x 3Q PEP

SIZE	STOCK NO	EACH
1"	1AY47583Q	144.19



Flaring/Rounding Tool

NOM PIPE	STOCK NO	EACH
¾"	34AY4774FR	141.94
1"	1AY4774FR	164.59
1¼"	114AY4774FR	201.42
1½"	112AY4774FR	232.61
2"	2AY4774FR	272.32



Corporation Stop
A.W.W.A. x Copper Flared

SIZE	STOCK NO	EACH
¾"	34AY4701B	148.54
1"	1AY4701B	190.61
1½"	112AY4701B	451.29
2"	2AY4701B	788.31



Curb Stop
Oriseal
Copper Flared x Copper Flared

SIZE	STOCK NO	EACH
¾"	34AY6104	231.63
1"	1AY6104	312.59
1¼"	114AY6104	521.57
1½"	112AY6104	734.51
2"	2AY6104	1188.32

Miscellaneous Valves
aymcdonald.com



(02)
Meter Valve
No. 578-17
FL x FIP

SIZE	STOCK NO	EACH
¾"	34MEVA	59.43

(02)
Meter Plug Valve
No. 4602
With lockwings/Flare inlet

SIZE	STOCK NO	EACH
1 x ¾"	1X34MEVA	131.25



Curb Stop
Oriseal
F.I.P. x F.I.P.

SIZE	STOCK NO	EACH
¾"	34AY6105	182.20
1"	1AY6105	272.35
1¼"	114AY6105	434.70
1½"	112AY6105	540.36
2"	2AY6105	780.15

Curb Stop and Drain
Oriseal (Looks like 10287)
F.I.P. x F.I.P.

SIZE	STOCK NO	EACH
¾"	34AY6005	224.15
1"	1AY6005	314.55
1¼"	114AY6005	561.28
2"	2AY6005	907.32

Ranger Fittings



Male Adapter
Ranger x MNPT

SIZE	STOCK NO	EACH
¾"	AY747531134	78.64
1"	AY74753111	122.54



Female Adapter
Ranger x FNPT

SIZE	STOCK NO	EACH
¾"	AY747541134	78.15
1"	AY74754111	120.72



Coupling
Ranger x Ranger

SIZE	STOCK NO	EACH
¾"	AY747581134	115.87
¾" x 1"	AY7475811134	155.39
1"	AY74758111	192.29

A.W.W.A. Gate Valves



Gate Valves
- Resilient Seat Gate Valves
- Iron body with modified wedge disc
- NRS Type
- 200 PSI working pressure
- 400 PSI Test Pressure
- M.J. Ends

SIZE	STOCK NO	EACH
4"	4MJGAVA	1562.95
6"	6MJGAVA	1993.52



Gate Valves
- Resilient Seat Gate Valves
- Iron body with modified wedge disc
- NRS Type
- 200 PSI working pressure
- 400 PSI Test Pressure
- Flange Ends

SIZE	STOCK NO	EACH
3"	3FLGAVA	1385.83
4"	4FLGAVA	1548.62
6"	6FLGAVA	2070.17

Gate Valves
NOW AWWA Approved
- Resilient Super Seal
- O.S.&Y. valves with FLxFL ends
- 200 psi working pressure
- 400 psi test pressure
- Required by St. Paul in meter installations

SIZE	STOCK NO	EACH
4"	4FLOSYGAVA	1524.83
6"	6FLOSYGAVA	2221.23



Lever & Weight Check Valve
- Bronze Mounted
- Iron body
- stainless steel, hinge pin
- 175 Lbs. W.W.P.
- Flange Ends

SIZE	STOCK NO	EACH
4"	4FLLEWE	1847.10
6"	6FLLEWE	2535.24



(37)

Extension Service Boxes

Minneapolis Pattern

SIZE	TAPPED	CURB STOP	STOCK NO	EACH
1¼ x 7½'	2"	¾ – 1"	AY5615712	149.80

Note: Any bushings required are extra cost:
- **¾" & 1" stop requires 2x1½" bushing**
- **1½" stop requires 3½"x3" bushing.**

Standing Rod

Optional for above boxes

STOCK NO	EACH
AY566072	44.98



(37)

Penagon Key

STOCK NO	EACH
AY304K	17.23



(37)

Curb Box Key

SIZE	STOCK NO	EACH
3'	AY304B3	89.34



(37)

Shut-off Rod

SIZE	STOCK NO	EACH
6'	AY3056	137.52
8'	AY3058	146.34



(37)

Threaded Lid for Curb Box

SIZE	STOCK NO	EACH
1¼"	114AY5614L	36.76
2"	AY5624L2	54.85

Minneapolis Pattern Service Base

(36)

Heavy Duty Repair Tops

SIZE	STOCK NO	EACH
2"	WRT200	47.42

badgermeter.com



Recordall Disc Meters

LEAD FREE

NSF/ANSI Standards 61 and 372 Certified

MODEL	SIZE	GPM	STOCK NO	EACH
M25	5/8 x 3/4"	.125-25	M2558X34	254.83
M35	3/4 x 7 1/2"	.875-25	M3534X712	352.84
M35	3/4 x 9"	.875-35	M3534X9	369.99
M70	1"x10 3/4"	.5-70	M701	681.17
M120	1 1/2"	1.25-120	M120112	1406.44
M170	2"	1.50-170	M1702	2043.06

Meter Tailpieces

aymcdonald.com

(37)

Meter Flange Kit



Includes:

- (2) each of Flanges
- Gaskets
- 4 Nuts & Bolts

SIZE	STOCK NO	EACH
1 1/2"	7610FKIT112	304.68
2"	7610FKIT2	388.56

(37)

Bronze Meter Coupling



With Wire Hole & Gasket Kit

SIZE	FOR USE WITH	STOCK NO	EACH
1/2"	M25	74620Z12	12.17
3/4"	M25/35	74620Z34	15.66
1"	M70	74620Z1	23.40

FOR USE WITH	
SIZE	MODEL
1/2"	M25
3/4"	M25/35
1"	M70
1-1/2"	M120
2"	M170

Industrial Test Plugs (18)

oatey.com

Hose with Poly-Lift Line



- Great for plugs up to 15"
- 3/16" ID hose
- Threaded connection fittings

SIZE	STOCK NO	EACH
30'	CH261106	275.98

Poly-Lift Line and Gauge



- Greater lifting strength
- Recommended for plugs 6" to 48"
- Retard gauge helps prevent peg-out damage
- Heavy-duty rubber gauge
- 3/8" geavy-duty ID hose, quick inflation/deflation
- Quick-dump valve for easy deflation

SIZE	STOCK NO	EACH
30'	CH383308	583.95

Deflection Gauge Fixed SDR 35.5%



- Durable, zinc-plated construction
- Conforms to mandrel sizing specification (blade length = or > nominal pipe size)
- Nine-arm design ensures testing accuracy
- Open design allows debris pass-through

SIZE	STOCK NO	EACH
6"	CH286068	393.36
8"	CH286078	512.07
10"	CH286088	602.44
12"	CH286098	602.44

Manhole Cover Hook

With 90° Handle



SIZE	STOCK NO	EACH
36"	CH015438	120.79

Air-Loc Plug (Front)



- Mechanical bonding of natural rubber & end plates eliminates failures of chemical bonding
- Improved performance and safety
- Superior back pressure (15 psi, 1 bar)
- Premium performance and aesthetics
- Lightweight, short and flexible

PIPE SIZE	STOCK NO	EACH
6-12"	CH317128	1198.50

I-Series Test-Ball Plug



- Mechanical bonding of natural rubber & end plates eliminates failures of chemical bonding
- Improved performance and safety
- Superior back pressure (15 psi, 1 bar)
- Premium performance and aesthetics
- Lightweight, short and flexible

PIPE SIZE	STOCK NO	EACH
6-12"	CH310128	1040.09

Underground Muni-Ball Plugs



- Works in all types of pipe
- Natural rubber seals the roughest of surfaces
- 8", 10" and 12" plugs include two-port plug for easy use in sewer air tests
- Threaded aluminum bypass

SIZE	BYPASS	STOCK NO	EACH
2"	1/8"	CH262010	287.74
3"	1/2"	CH262258	310.94
4"	3/4"	CH262048	310.94
6"	1 1/2"	CH262064	366.74
8"	3"	CH262080	448.13
10"	3"	CH262110	591.95
12"	3"	CH262129	831.65

Underground Test-Ball Plugs



- Natural rubber for superb expansion & memory
- Seals both round and out-of-round pipe
- Removable inflation valve can be replaced with quick disconnect or if it is damaged
- Features an eye-bolt for use with a poly-lift line
- Block flow or back plug for sewer air testing

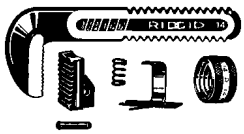
PIPE SIZE	STOCK NO	EACH
8"	CH041386	337.67
10"	CH041394	548.18
12"	CH041408	689.92

Inside of Pipe Gripper Plugs



- Rated for 17 PSI or 40 ft. of head pressure
- Extra large zinc wing nut
- Natural rubber O-ring
- ABS glass-reinforced plates
- Zinc-Plated carriage bolt

PIPE SIZE	STOCK NO	EACH
4"	CH270296	16.19
6"	CH270253	43.79
8"	CH270288	83.32



(21)

Repairs for Heavy Duty and Aluminum Pipe Wrenches

SIZE	STOCK NO	EACH
Hook Jaw		
10"	10RIHOJA	44.42
14"	14RIHOJA	59.40
18"	18RIHOJA	83.00
24"	24RIHOJA	132.73
36"	36RIHOJA	270.95
48"	48RIHOJA	423.44
Heel Jaw and Pin		
12"-14"	12RIHEJP	32.81
18"	18RIHEJP	43.09
24"	24RIHEJP	64.67
36"	36RIHEJP	110.03
48"	48RIHEJP	172.37
Wrench Nut		
10"	10RINU	10.80
14"	14RINU	13.88
18"	18RINU	20.87



Aluminum RapidGrip® Pipe Wrench

SIZE	STOCK NO	EACH
18"	18ALRGWR	292.80



Aluminum End Pipe Wrench

SIZE	STOCK NO	EACH
14"	E914ALPIWR	137.05
18"	E918ALPIWR	171.63



General Purpose Locking Steel Tapes

Model No. 636 & 671

SIZE	STOCK NO	EACH
¾ x 16'	636RITA	55.22
1" x 25'	671RITA	65.91



1619F - Fiberglass Folding Ruler

6' inside flat reading.

MFG. NUMBER	STOCK NO	EACH
73370	RI1619F	37.67



Heavy-Duty Straight Pipe Wrenches

SIZE	STOCK NO	EACH
8"	8PIWR	55.97
10"	10PIWR	59.98
12"	12PIWR	64.85
14"	14PIWR	71.94
18"	18PIWR	103.75
24"	24PIWR	153.04
36"	36PIWR	365.19



Aluminum Handle Straight Pipe Wrenches

SIZE	STOCK NO	EACH
14"	14ALPIWR	114.90
18"	18ALPIWR	142.55
24"	24ALPIWR	216.51
36"	36ALPIWR	410.52



Ridgid Spud Wrench

12" Spud Wrench features narrow, smooth, toothless jaws ideal for square or rectangular stock and fits into tight places.

SIZE	STOCK NO	EACH
12"	12SPWR	95.27

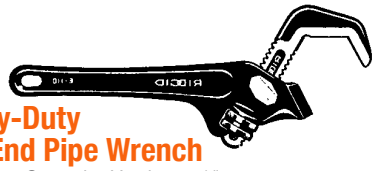


(40)

One Stop Wrenches

Two wrenches in one.
It provides the exact size wrench you need to install angle stops and compression couplings.

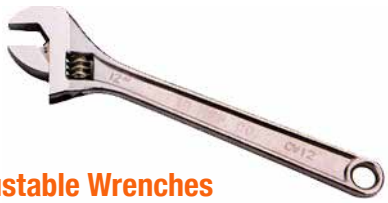
STOCK NO	EACH
RI27023	57.59



Heavy-Duty Hex End Pipe Wrench

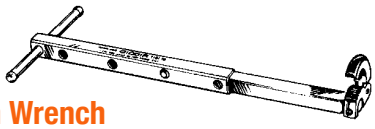
Drain Nut Capacity Up thru 1½"
Max. Jaw Opening 2⅝"Opening

CAPACITY	STOCK NO	EACH
1½ – 2⅝"	E110RIHEWR	78.50



Adjustable Wrenches

SIZE	STOCK NO	EACH
6"	706RIADWR	37.15
8"	708RIADWR	41.46
10"	710RIADWR	50.02
15"	715RIADWR	99.68
18"	718RIADWR	158.83



Basin Wrench

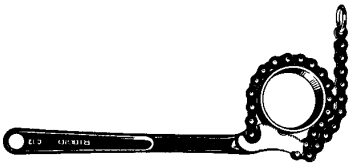
NUT CAPACITY	ADJUSTMENT	STOCK NO	EACH
⅜" – 1¼"	10 – 17"	1017RIBAWR	76.29



Strap Wrench

For use on polished pipe and tubing.

CAPACITY	STOCK NO	EACH
⅛-2"	2RISTWR	72.51
1 - 5"	5RISTWR	139.43



Chain Wrench

SIZE	STOCK NO	EACH
Light		
2"	C12RICHWR	139.43
Heavy		
2½"	C18RICHWR	212.92
3"	C24RICHWR	262.60



Ridgid Plastic Basin Nut Wrench

STOCK NO	EACH
PLBANUWR	55.36



Tubing Cutters

Reamer built inside grip knob.

O.D. CAPACITY	STOCK NO	EACH
1/8 – 1"	10TUCU	57.75
3/16 – 1 1/8"	15TUCU	65.65
5/8 – 2 1/8"	20TUCU	129.96



Tubing Cutters

Fold-out reamer.

O.D. CAPACITY	STOCK NO	EACH
1/8 – 1 1/8"	150TUCU	58.56



Ridgid Tubing Cutters

SIZE	STOCK NO	EACH
1/4 - 1 5/8"	151TUCU	95.62



Mini Tubing Cutters

For use in tight places, require minimal swing around the tubing.

O.D. CAPACITY	STOCK NO	EACH
3/16 – 15/16"	104TUCU	31.62
1/4 – 1 1/8"	101TUCU	42.97
3/16 - 15/16" Autofeed®	117TUCU	41.12
1/4 - 1 1/8" Autofeed®	118TUCU	55.46



REED Tubing Cutter

Pencil reamer..

O.D. CAPACITY	STOCK NO	EACH
1/4 – 1 3/8"	TC14TUCU	69.57



REED Quick Release™ Tubing Cutters

Cut copper, aluminum, steel, and stainless steel tubing.

O.D. CAPACITY	STOCK NO	EACH
1/4 – 2 5/8"	TC2QTUCU	183.51
3/8 – 3 1/2"	TC3QTUCU	228.83
1 7/8 – 4 1/2"	TC4QTUCU	266.29



REED Plastic Pipe Cutters

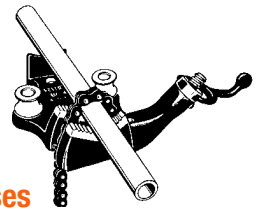
SIZE	STOCK NO	EACH
1/8 – 1 5/16"	TC1QP	105.82
1/4 – 2 5/8"	TC2QP	162.18
3/8 – 3 1/2"	TC3QP	199.36
1 7/8 – 4 1/2"	TC4QP	234.56



Press Snap Soil Pipe Cutter

For No-Hub & Service Weight.
Compatible with all RIDGID Standard Press tools.

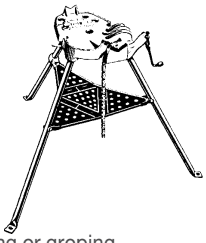
O.D. CAPACITY	STOCK NO	EACH
1 1/2 – 4"	PP34403	1090.92



Top-Screw Bench Chain Vises

- Chain tightens by handy top crank handle that's anchored to base.
- Jaws of tool steel hardened for long wear.
- Handy pipe rest and bender.

CAPACITY	STOCK NO	EACH
1/8 – 2 1/2"	BC210RIVI	278.13
1/8 – 4"	BC410RIVI	440.88



Tri-stand Top-Screw Chain Vise

No more stooping, bending or groping.
Large, easy-to-operate crank handle that tightens chain is right on top for fast, sure adjustment.
Alloy steel jaws hardened for firm grip and long wear.
Large vise base overhangs front legs for clear tool swing; has rear pipe rest, tool hanger slots, 3 pipe benders, and ceiling brace screw.
Integral folding legs and tool tray lock open for sturdy work bench, close for easy carrying.

CAPACITY	STOCK NO	EACH
1/8 – 6"	460RIVI	779.87



PTC-400 Power Tubing Cutter

Portable and durable tubing cutter for stainless steel, carbon steel, copper, aluminum, and plastic.

CAPACITY	STOCK NO	EACH
1/2 – 4"	RI66138	3222.99



Pro Arc Aluminum Hack Saw

Includes 12" Blade.

STOCK NO	EACH
212AIHASA	38.60

For Additional Saws refer to page 1911



Blade Style Plastic Pipe and Tubing Cutter

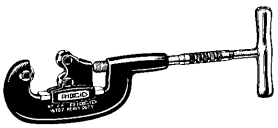
CAPACITY	STOCK NO	EACH
1/8 – 1 1/2"	RC1625RITUCU	166.08



Plastic Tubing Cutters

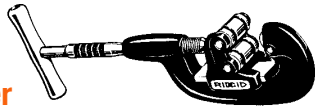
No. PC1375.

O.D. CAPACITY	STOCK NO	EACH
1/8 – 1 3/8"	PC1375RITUCU	93.58



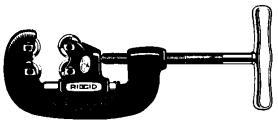
Heavy Duty Pipe Cutter

CAPACITY	STOCK NO	EACH
1/8 – 2"	2ARIPICU	319.64



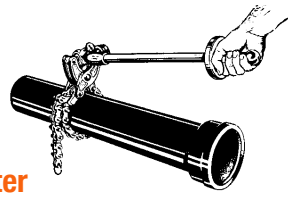
Wide-roll Pipe Cutter

CAPACITY	STOCK NO	EACH
1/8 – 2"	202RIPICU	393.24



4-Wheel Pipe Cutter

CAPACITY	STOCK NO	EACH
3/4 – 2"	42ARIPICU	368.58



Soil Pipe Cutter

CAPACITY	STOCK NO	EACH
2 – 6"	246RISOPICU	1356.20



Ridgid 226 In-Place Soil Pipe Cutter

STOCK NO	EACH
226SOPICU	1239.27



Pipe Shooter Inside Cutter

For PVC and ABS pipe, sizes above 1 1/2"
Special steel cutting blade

STOCK NO	EACH
PS100	11.08
Cutting blade	
PS102	2.23

reedmfgco.com



REED Cutter Wheels

MODEL NO.	STOCK NO	EACH
75046	75046CUWH	14.72
R2155	R2155CUWH	25.15
R5272	R5272CUWH	23.07
2RBHD	2RBHDCUWH	28.29
R4546	R4546CUWH	16.15
HX2½	HX212CUWH	53.78
345T	345TCUWH	13.41
2RBS	2RBSCUWH	21.63
30-40P	3040PCUWH	24.85
75015	75015CUWH	11.73
HS2½	HS212CUWH	29.49
HS4	HS4CUWH	43.69
0	0CUWH	13.97
OP-2	OP2CUWH	27.75
73505	73505CUWH	14.89

0CUWH works with Hilmor Tubbing Cutters page 1905

REMS Roto-Cut Cutting Wheel

MODEL	STOCK NO	EACH
7599	RE7599	6.62

ridgid.com



RIDGID Replacement Blade

MODEL NO.	STOCK NO	EACH
E-2191	E2191CUWH	20.10
138	138CUBL	147.66



RIDGID Replacement Blade

MODEL NO.	STOCK NO	EACH
E-1032	E1032CUWH	41.80
F-3S	F3SCUWH	24.56
F-229	F229CUWH	37.26

Reed Cutter Wheel Application Chart

Reed Cutter Wheel No	Application
0	Copper, Aluminum, Brass, Steel Tubing
OP2	ABS, PE, PB, PP
1-2PVC	PVC
2RB-HD	HD for Steel
2RBS	Steel, Stainless Steel
3-6PVC	PVC
3-6TW	Thin Wall PVC, ABS, PE
30-40	Copper, Aluminum, Brass, Steel Tubing
30-40P	ABS, PE, PB, PP
345T	Copper, Aluminum, Brass
32633	Copper, Aluminum, Brass
6QP	Thick Wall PE
75015	Copper, Aluminum, Brass
75046	Copper, Aluminum, Brass, Steel Tubing, Stainless Steel
HX2-1/2	Extra Strong Steel Pipe
R367	Steel, Ductile Iron
R2155	PE, PB, PP, Std. and Heavy Wall
R2990	Copper, Aluminum, Steel Tubing
R4546	Steel Tubing
R5272	PVC, ABS, Standard Wall

Reed Cutter Wheel Cross Reference Chart

ARMSTRONG	REED CUTTER WHEEL
1T	2RBS
2T	2RBS
2TA	2RB-HD

CHICAGO SPECIALTY	REED CUTTER WHEEL
3720	30-40
3720-092	30-40

ERIE	REED CUTTER WHEEL
2PC	2RBS
2PCM	2RB-HD
3T	0
4T	0

IMPERIAL EASTMAN	REED CUTTER WHEEL
127	32633
227	32633
174	0, 75015, 75046
274	75015, 75046
206	0, OP2
312	0, 75015, 75046
374	0, 75015, 75046
32633	32633
75015	75015
75046	75046
NYE	
2NP	2RB-HD
4TC	0

OSTER	REED CUTTER WHEEL
502	2RBS

REED	REED CUTTER WHEEL
2-1	2RBS, 2RB-HD
2-3	2RBS, 2RB-HD
2-4	2RBS, 2RB-HD
2-4WG	2RBS, 2RB-HD
2-1Q	2RBS, 2RB-HD
2-3Q	2RBS, 2RB-HD
H2-1/2	HX2-1/2
MC-1	32633
MC-2	345T
TC1	0
TC1Q	0, OP2
TC2	0
TC2Q	0, OP2
TC2Q-P	0, OP2
TC3Q	30-40, 30-40P
TC3Q-P	30-40, 30-40P
TC4Q	30-40, 30-40P, 4-8W
TC4Q-P	30-40, 30-40P, 4-8W
TC6Q	30-40, 3-6PVC, 4-8W
TC6Q-P	30-40, 3-6PVC, 4-8W
TC11	75015, 75046
TC15	0, OP2

RIDGID	REED CUTTER WHEEL
10	0
15	0, OP2
20	0, OP2
30	30-40, 30-40P
30P	30-40, 30-40P
40	30-40, 30-40P
40P	30-40, 30-40P
315	R299O
103	345T
104	345T
105	345T, R2155, R4546, R5272
205	345T, R2155, R4546, R5272
106	30-40, 30-40P, 1-2PVC
108	30-40, 30-40P, 1-2PVC
109	30-40, 30-40P, 1-2PVC
131	345T, R2155, R4546, R5272
131P	345T, R2155, R4546, R5272
132	345T, R2155, R4546, R5272
132P	345T, R2155, R4546, R5272
133	30-40, 30-40P, 3-6PVC
133P	30-40, 30-40P, 3-6PVC
134	30-40, 30-40P, 3-6PVC
135P	30-40, 30-40P, 3-6PVC
136	30-40, 30-40P, 3-6PVC,80P, 4-8W
136P	30-40, 30-40P, 3-6PVC,80P, 4-8W
1A	2RBS, 2RB-HD
2A	2RBS, 2RB-HD
42A	2RBS, 2RB-HD
202	2RBS, 2RB-HD
6S	R367
208	R367
209	R367
300	HX2-1/2
535	HX2-1/2
802	HX2-1/2
E1032	HX2-1/2
E1032S	HX2-1/2
E1240	0
E2155	R2155
E2156	30-40P
E2157	6QP
E2191	30-40
E2558	30-40
E2990	R2990
E3469	345T
E4546	R4546
E5272	R5272
E5299	3-6PVC
E10279	3-6TW
F3	2RB-HD
F3S	2RB-HD
F158	0
F367	R367
E3675	R367
F514	2RBS

CPS Products

cpsproducts.com



Wireless Solenoid Valve

The SVW is a compact, battery-operated Wireless Solenoid Valve with IN and OUT ¼" SAE male ports designed to quickly open or close, thereby precisely metering a gas or liquid flowing through connected hoses.

STOCK NO	EACH
CPSSVW	329.55



Static Pressure Meter & Probe Kit

The SPM-K1 is a compact, portable, wireless, dual-port, bluetooth manometer kit. When paired to a smart device running the CPS Link™ app it can measure and record static pressure, pressure differential, indoor/outdoor pressure, system external static pressure, & gas pressure tests in or outside residential or commercial buildings.

STOCK NO	EACH
CPSSPMK1	357.44



Molecular Transformator

Provides valuable assistance in the transformation of high temperature/pressure vapor refrigerant into low temperature/pressure liquid refrigerant, improving recovery speed & efficiency.

STOCK NO	EACH
CPSMT69	426.52



Gear Puller & Pulley Remover

O.D. CAPACITY	STOCK NO	EACH
3" - 4" gripping	CPSBTLGP4	161.99
3" - 7" gripping	CPSBTLGP7	302.36



Leak-Seeker Combustible Gas Leak Detector

- Most Advanced Combustible Gas Leak Detector
- Precision readings with large LCD display
- Detects up to 30 combustible gases

STOCK NO	EACH
CPSLSCG	455.98



Electronic Refrigerant Leak Detector

- Progressive Alarm Mode:
  The alarm pitch and number of lighted LEDs progressively increase as the leak source is approached
- Threshold Alarm Mode:
  Provides a quick go, no/go verifying a leak has been found and approximate size.

STOCK NO	EACH
CPSLS1	858.78
Replacement vapor filter sensing tip	
CPSLS2XVF	36.27
Replacement sensor filters	
CPSLS2XF	16.42
E_MOS technology sensor	
CPSEMOS2	102.92



Wireless Refrigerant Charging Scale

For weighing, charging and recovering refrigerants used in HVAC/R systems. When paired with CPS Link app it can be operated wireless with added functionality including Tank Tracker Refrigerant Management System.

STOCK NO	EACH
CPSCC220EW	783.64



Tool Bags

- Large open mouth design for access & visibility
- 15 external pockets and loops hold a wide variety of tools
- Ergonomic carrying handle with adjustable shoulder strap

TYPE	STOCK NO	EACH
Square	CPSTLBAG1	90.67
Large Rubber Bottom	CPSTLBAG2	140.44



Airflow and Environmental Meter

A small, portable, wireless HVACR smart tool that, when paired with a smartphone or tablet running the latest CPS Link app, can measure, record and email a variety of indoor/outdoor temperature, humidity, airflow or pressure conditions taken at residential or commercial job sites.

STOCK NO	EACH
CPSABM200	269.27
18" to 64" telescopic extension pole	
CPSEXP64	89.42



Air Flow Capture Hood

Use CPSABM200 (not included) meter with a smartphone to display, capture and record real-time airflow readings from air grilles ranging from 12″ to 24″. Includes a Padded Carrying Case.

STOCK NO	EACH
CPSABMHOOD	1021.98



Hex Wrenches

- Metric Hex Wrench: 1.5mm thru 8mm
- Imperial Hex Wrench:
  5/64", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"

TYPE	STOCK NO	EACH
Metric (Purple)	CPSTLSWHM	24.87
Imperial (Blue)	CPSTLSWH	24.87



Mini-Split Tool Kit

- Pro-Set® Premium Piston Series Manifold
- 5' Premium Pro-Set® Charging Hoses
- Imperial and Metric Hex Key Sets
- Valve Core Tool
- Brass Adapters and Caps
- Large, 16" Rubber Bottom Tool Organizer
- Imperial/Metric Torque Wrench with Instructions
- Tube Cutter ⅛" to 1¼"
- Tube Flaring Tool
- Deburring Tool with extra blade
- R410A Flare Size Gauge
- BTLDTW digital torque wrench

STOCK NO	EACH
CPSTLB410KIT2	2736.01

CPS Products

cpsproducts.com



BlackMax Tubing Bender

- Seven quick change color coded mandrels for bending for soft copper and aluminum tube
- Make forward or reverse bends, up to 90°
- Graduated forward and reverse 90-degree scale
- Compact, professional, patented design

SIZE	STOCK NO	EACH
1/4" - 7/8"	CPSBTB300	589.90



Digital Torque Wrench

- Ensures OEM torque setting compliance
- Ideal for HVAC mini-split installations
- Jaw opening: 3/16" to 1 7/16" (5 to 35mm)
- Torque settings: Lbf.ft, Lbf.in, N-m, Kgf.m

SIZE	STOCK NO	EACH
3/16" - 1 7/16"	CPSBTLDTW	526.77



AVT48

1/4" SAE M x 1/4" SAE female knurl x 1/2" ACME M

STOCK NO	EACH
CPSAVT48	20.41



Valve Cores

STOCK NO	EACH
CPSAVS1 (Less SAE Brass Cap)	16.74
CPSAVS1V (With SAE Brass Cap)	18.92



1/4" SAE Brass Cap

STOCK NO	EACH
CPSAVC4	19.45



Copper Tube Extension Valves

O.D.	I.D.	STOCK NO	EACH
1/4"	3/16"	CPSAV4	48.59
5/16"	1/4"	CPSAV5	55.93



Adapters

MALE SIZE	FEMALE SIZE	STOCK NO	EACH
1/4" SAE	5/16" SAE	CPSAD87	14.64
1/4" SAE	5/16" SAE (Swivel)	CPSAD87S	17.85
Left hand thread			
1/4" SAE	1/4" SAE	CPSAD44LH	20.27
1/4" SAE	1/4" SAE (Swivel)	CPSAD44LHS	25.05



Microseal Quick Couplers

SIZE (FEMALE X MALE)	STOCK NO	EACH
1/4" (90°) x 1/4" SAE	CPSAB90	39.01
5/16" x 1/4" SAE Straight	CPSAB410A	36.09
5/16" (90°) x 1/4" SAE	CPSAB41090A	39.01



Eccentric Flaring Tool

- Aluminum body is 50% lighter than steel
- Internal clutch indicates formed flare is complete
- Seven quick-change positions for flaring soft copper and aluminum tube
- Eccentric cone forms precise 45° flared ends
- Strong carrying case
- Built in slide gauge for tube height adjustment

O.D. CAPACITY	STOCK NO	EACH
3/16 – 3/4"	CPSBFT850K	643.88



Large Diameter Tubing Cutter

SIZE	STOCK NO	EACH
1/4 - 1 1/4"	CPSBTC400	119.78
1/8 - 1 5/8"	CPSBTC350	111.15



Mini Tubing Cutters

O.D. CAPACITY	STOCK NO	EACH
1/8 – 7/8"	CPSBTC200	60.03
1/8 – 5/8"	CPSBTC100	45.00



PVC Tubing Cutter

- Precision machined rollers feature a cut-off groove to reduce tube loss in damaged flare removal
- Durable metal handle with an industrial-grade rubber boot provides comfortable grip
- Enclosed hardened steel, thrust bearing feed mechanism.

SIZE	STOCK NO	EACH
1 5/8" - 2 5/8"	CPSTCPVC	73.28



Ratcheting Tube Cutter

SIZE	STOCK NO	EACH
1/8" - 7/8"	CPSBTC200R	87.07



Flaring Tool Kit

- BFT850 Flaring Tool
- FTXSG Reversible R410A Flare Size Gauge: Aluminum body, 1/4", 3/8", 1/2", 5/8", 3/4"
- BTLDB3 Premium Tube Cutter
- Flaring Block Packaging: Color Box

STOCK NO	EACH
CPSBFT850K	643.88



Hydraulic Tube Expander Kit

- Premium, compact, cast aluminum hydraulic expander tool
- 5 quick-change, aluminum heads for swaging 3/8", 1/2", 5/8", 3/4", 7/8" O.D. tube
- Includes tube deburr tool and carrying case

STOCK NO	EACH
CPSBTLH5E	1142.22



Tech Set 6-in-1 Swaging Punch

STOCK NO	EACH
CPSTLMSP	31.42



Flare Sizing Guage

STOCK NO	EACH
CPSFTXSG	69.79



Deburrers

- Solid aluminum handle
- For soft copper and aluminum tube
- Includes (2) spare blades in handle

STOCK NO	EACH
CPSBTLDB3	31.07



Reamer Tool

- Constructed of rugged die cast metal
- Removes burrs from inside and outside edges
- Ergonomically shaped to fit in your hand

STOCK NO	EACH
CPSTLRM	40.54

CPS Products

cpsproducts.com



Service Wrenches

- Straight Service Wrench makes changing sizes quick and easy. 3/16", 1/4", 3/8", 5/16"
- Offset Service Wrench for maneuvering around cramped spaces. 3/16", 1/4", 3/8", 5/16"
- Hex Key Adapter, it works on 3/16" & 5/16" hex valves

TYPE	STOCK NO	EACH
Straight	*CPSTLSWS*	*41.97*
Offset	*CPSTLSWO*	*42.47*
Hex Key	*CPSTLSWAD*	*36.05*



6 – Sided Fin Comb

STOCK NO	EACH
CPSTLFC6	*23.26*



Valve Core Remover/Installer Tool

- Designed to remove and install valve core without losing system charge
- Increases evacuation and charging speed by creating unrestricted access
- 800PSI working pressure

SIZE	STOCK NO	EACH
1/4" SAE	*CPSTLVC*	*84.04*



Valve Core Remover/Installer Tool

With 1/4" Male Side Port

SIZE	STOCK NO	EACH
5/16" FM x 1/4" SAE Male	*CPSTLVC410A*	*85.25*



Refrigerant Recovery Machine

- Exceptional compressor, condensing and cooling systems allow fast recovery in high-temperature environments
- Thermally protected motor
- Fastest R-410A flow rates in its class
- High-pressure shut-off switch
- Durable inlet and outlet ball valve construction with 1/4 turn gauges
- Easy filter clean/change suction housing

115v • 2/3 HP oil-less reciprocating recovery compressor

STOCK NO	EACH
CPSTRS600	*3076.88*



4-Valve Digital Wireless Manifold Gauge

- Perform and monitor full system measurements
- Fast, convenient touch screen control
- Data logging
- Alternate views for smaller mobile devices
- Color scheme change according to refrigerant
- Real-time information displayed on screen
- Perform multiple system tests
- Pressure hold or vacuum hold tests can be viewed, saved, stored or emailed as a graph
- Supports 105 of the most common refrigerants
- APP updates for new refrigerants
- Change units; (Pressure, Temperature, Vacuum)

STOCK NO	EACH
CPSMD100W	*1918.20*



2-Valve Manifold

- Piston Series
- Workingman Manifold
- 1/4" SAE Fittings
- R-454B, R-32, R-410A
- Gauge Diameter: 3 1/8"

Includes 60" Refrigeration Hoses

STOCK NO	EACH
CPSMT2A7P5E	*563.15*



Refrigeration SAE Hoses with ball valve

- Compatible with CFC, HCFC, HFC refrigerants
- Adjustable valve core depressor
- Extra deep knurling for easy grip
- Nylon permeation barrier

DIAMETER	LENGTH	STOCK NO	EACH
1/4" Set of 3	*60"*	*CPSHS5E*	*260.29*
1/4" Blue	*60"*	*CPSHS5BE*	*89.03*
1/4" Red	*60"*	*CPSHS5RE*	*89.03*
1/4" Yellow	*60"*	*CPSHS5YE*	*89.03*
1/4" Ext. Set of 3	*6"*	*CPSHTE*	*185.36*

PACKAGE	STOCK NO	EACH
Hose 1/4" SAE Neoprene Gaskets		
10 Pack	*CPSHXG*	*14.68*
Hose 1/4" SAE Neoprene Gaskets & Core Depressors		
10 Pack	*CPSHXGD*	*21.23*



Black and Chrome Premium Hoses

Set of three premium chromed ball valve barrier charging hoses

LENGTH	STOCK NO	EACH
60"	*CPSHP5BKEZ3*	*352.67*



BlackMax® Vacuum Pump

- Lightweight & Compact, portable size
- 100 to 240VAC (50/60Hz) universal voltage
- Stores/operates in extreme temperatures
- Auto shut-off solenoid valve
- Analog vacuum gauge
- Large vertical oil sight glass
- 15 Micron ultimate vacuum

1/2 HP • Intake 1/4", 3/8", 1/2" • Oil Cap. 14-15oz

MODEL	STOCK NO	EACH
4 CFM	*CPSVPBM4V*	*1409.38*
6 CFM	*CPSVPBM6V*	*1507.29*

Pro-Set® Premium Vacuum Pump Oil

CAPACITY	STOCK NO	EACH
1 Pint	*CPSVPOP12*	*176.46*
1 Gallon	*CPSVPOG6*	*470.98*



Jumper Cord Kit

This 220 VAC jumper power cord can be used for locations where 110 voltage is not available.

STOCK NO	EACH
CPSVPXJ220	*108.70*



Wireless Digital Vacuum Gauge

- Large, 5 digit LCD display with low battery indicator
- Easy 2 button control
- Select from 4 different vacuum units
- Atmospheric to 0-micron pressure range
- Auto-Off after 10 minutes of no use
- Operates up to 20 continuous hours on one 9V alkaline battery (included)
- Compatible with all refrigerant gases (including ammonia)
- Field cleanable sensor
- Includes stainless steel T connector, hanger hook, vinyl storage case, and Quick Start Guide

STOCK NO	EACH
CPSVG200W	*621.22*



Piston SeriesVortech Valves

- 1/4" SAE Fittings
- 3/8" SAE Vac Port
- 1% Gauges
- R-454B, R-32, R-410A
- Gauge Diameter: 3 1/8"

Includes 60" Premium BV Black Hose Set

STOCK NO	EACH
CPSMV4A4P5EZ	*940.15*



Vacuum and Charging Hose with ball valve

- 5/16" I.D. heavy-duty hose
- 460 Psi working pressure; 2300 Psi burst
- Nylon permeation resistant barrier
- 3/8" SAE Leak Proof 8 Sided Crimp

LENGTH	STOCK NO	EACH
60"	*CPSHV5E*	*141.97*

STOCK NO	EACH
Hose 3/8" SAE Neoprene Gasket	
CPSHX38G	*51.02*

ProPress Power Tools refer to page 1112
Pex Press Tool page 1215



M18 Fuel Hammer Drill/Impact Kit

Kit Includes:
- 2797-22 ½" Hammer Drill & ¼" Hex Impact
- (2) M18 REDLITHIUM
- XC 4.0 Extended Capacity Batteries
- M18 & M12 Multi-Voltage Charger
- Belt Clip, Side Handle & Carrying Case

5 Year Tool Warranty

STOCK NO	EACH
MIHAMMERDR	*687.57*



REDLITHIUM Batteries

MODEL	STOCK NO	EACH
M12 REDLITHIUM Battery		
48-11-2401	*MIM12BA*	*78.79*
M18 XC Extended Capacity REDLITHIUM Battery		
48-11-1828	*MIM18BA*	*211.76*



NEW ITEM

ONE-KEY APP

M18 FUEL™ RINGER™ Roll Groover with ONE-KEY™

2927-22 & 2928-22 Kit Includes:
- M18 FUEL™ RINGER™ Roll Groover
- (2)M18™ REDLITHIUM™ FORGE™ XC8.0 Batteries
- M18™ & M12™ Rapid Charger

STOCK NO	EACH
2927-22 for 1-1/4" - 4" Sch 10/40, 6" Sch 10	
MIM18SPRINKROGR	*6263.99*
2928-22 for 2" - 6" Sch 10/40	
MIM18PIPEROGR	*7829.99*



M12 Cordless Recip Saw Kit

Kit Includes:
- 2420-21 Recip Saw Kit
- (1) 12v REDLITHIUM Batteries
- Charger & Contractor Bag

5 Year Tool Warranty

STOCK NO	EACH
MIHACKZALL	*271.32*



M18 FUEL™ SAWZALL® Reciprocating Saw Kit

Kit Includes:
- 2720-20 Cordless Sawzall
- M18™ & M12™ Multi-Voltage Charger
- M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack
- Carrying Case
- (1) Blade

5 Year Tool Warranty

STOCK NO	EACH
MIFUELSAWZALL	*580.38*



M18 TRUEVIEW LED Stand Light

- Quick Set up, 7' Max Ext.
- Rotating and pivoting head
- 26" footprint, reinforced legs
- High, Medium, & Low modes
- 850-2,000 Lumes, lasting 4-10 hours with M18 XC 5.0 Pack
- Low battery indicator light

5 Year Tool Warranty

STOCK NO	EACH
MILIGHTSTAND	*399.60*



NEW ITEM

6" Leveling Tripod Chain Vise

- Adjustable Leg for Level Alignments
- Two-Step Deployment Eliminates Setup Hassles
- Folds Flat for Van/Job Box Storage
- STABLE LOK™ Adjusts Tension for Steady Deck
- Multi-Material Vise, Secures Up to 6" Pipe
- Balanced Carry Handle for Transportation
- Adjust Pitch ±3° to Level Materials
- Grounding Tab for Welding Applications
- Removable Foot Grips for Anchoring

Lifetime Limited Warranty

STOCK NO	EACH
MITRIPODVISE	*783.00*



M12 Cordless PVC Shear Kit

Kit Includes:
- 2470-21 PVC Shear Kit
- (1) 12v REDLITHIUM Batteries
- Charger & Carrying Case

5 Year Tool Warranty

STOCK NO	EACH
MIPVCSHEAR	*413.99*



M12 Cordless Copper Tubing Cutter Kit

Kit Includes:
- 2471-21 Copper Tubing Cutter Kit
- (1) 12v REDLITHIUM Batteries
- Charger & Carrying Case
- ⅜"-1" Type L, K & M Copper

5 Year Tool Warranty

STOCK NO	EACH
MICOTUCU	*371.02*
Replacement Cutting Wheel 48-38-0010	
MITUCUWH	*14.39*



(00)

Saw Blades

Compact Band Saw Blades

DESCRIPTION	STOCK NO	EACH
3-Pack	*MICOBSBL*	*24.48*



M18 Jobsite Radio/Charger

Kit Includes:
- M18 Battery Charger
- Bluetooth Stereo Reciever
- Fast charge USB Port
- Reinforced roll cage
- 16" Auxiliary Input Cord
- (2) AAA Batteries
- Weather-Sealed Compartment

1 Year Tool Warranty

STOCK NO	EACH
MIRACH	*436.25*

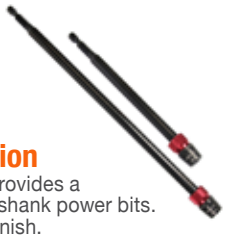


CONNEXT Quick Change Handles

With hollow shaft

Handles accept any ¼" power insert shank including Malco Hollow Head Chuck Drivers, Magnetic Hex Chuck Drivers.

GRIP LENGTH	STOCK NO	EACH
4⅛"	MACONNEXT1	16.19
1⅞"	MACONNEXT2	14.38
4⅛"	MACONNEXT3	19.05



Power Bit Extension

Ball bearing on holder provides a positive lock on ¼" hex shank power bits. Tempered steel. Black finish.

HEX OPENING	O/A LENGTH	STOCK NO	EACH
¼"	6"	MABHE6	27.34
¼"	10	MABHE10	30.21



Magnetic Hex Chuck Drivers

Use with Zip-in and Type "A" hex head self-drilling screws and Bit-Tip drill & tap screws.

HEX OPENING	SHANK DIA	STOCK NO	EACH
¼"	¼"	MAMSH14	7.65
5/16"	¼"	MAMSH516	9.27
⅜"	¼"	MAMSH38	11.79
¼"	¼"	MAMSHL14	11.64
5/16"	¼"	MAMSHL516	13.49
⅜"	¼"	MAMSHL38	15.70
7/16"	¼"	MAMSHL716	18.66
¼"	¼"	MAMSHXL14	23.58
5/16"	¼"	MAMSHXL516	27.69
⅜"	¼"	MAMSHXL38	21.76



Double Ender Polished Drills

TWIST LGTH	STOCK NO	EACH
½"	MADE18	3.97
½"	MADE30	3.97



Hole Saw

For all types of wood

VENT SIZE	STOCK NO	EACH
6¼"	MAHSW97	211.11
Replacement Blades		
6¼"	MARBW97	87.53
Replacement Pilot Bit		
¼"	MAHSRD	47.17

For Additional Drill Bits refer to page 1910



Dual-Sided Hex Chuck Drivers

The dual-sided hex socket fits over a magnet-tipped, ball-detent locking hex shaft and is quickly reversed for changing sizes. Tested torque of the socket and shaft is equal to comparable one-piece single size drivers to ensure optimum screw performance.

SIZE	LENGTH	STOCK NO	EACH
¼" & 5/16"	2"	MAMSHC	10.56
¼" & 5/16"	4"	MAMSHMLC	22.86
¼" & 5/16"	6"	MAMSHXLC	33.02
⅜" & 5/16"	2"	MAMSHC1	12.19



4 in 1 Multi-Socket Driver

Pocket size telescoping hex driver shafts. ¼", 5/16", ⅜", 7/16" hex sizes.

STOCK NO	EACH
MA4IN1	31.23



TurboShear™ Drill Shear

Attaches to 12 volt cordless or A/C electric drill. Requires two hands to operate. Material must be preset in place or held by assistant.

STOCK NO	EACH
MATS1	117.69



TurboShear™ Heavy-Duty

Heavy-duty jaws and gearing are suitable for cutting 18ga. galvanized steel. 20ga. capacity in layered seams. Fits most 14.4v or larger drills.

STOCK NO	EACH
TSHD	217.09



TurboShear™ Double Cut

Attaches to drill and produces clean edge on both sides of cut. Cuts through seams & navigates 90° outside profiles

STOCK NO	EACH
MATSMD	275.76



TurboCrimper Impact

Installs into drill ¼" Chuck. Crimp 30 to 24 guage galvanized round duct. Five times faster than manual crimping.

STOCK NO	EACH
MAC5A2	311.36



Gold Standard Hole Cutter

Quickly installs into chuck of drill as small as ¼". Adjustable fo 2" to 12" diameter holes in up to 20-gauge sheet metal.

STOCK NO	EACH
MAHC1	152.87
Replacement Bit	
MACB	25.87
Replacement Pivot Pin & Nut	
MAHC1B	21.36



Setting Hammer

WEIGHT	STOCK NO	EACH
18 oz.	MASH3	114.24



"Magnetic Tip" Tape Measure

Use it for HVAC ductwork installations, ceiling grid applications, metal stud framing and more. A powerful magnet & self supporting 1" x 25' blade.

SIZE	STOCK NO	EACH
1" x 25'	MAT425M	40.37
1" x 30'	MAT430M	50.49



Torpedo Level

Magnetic

LENGTH	STOCK NO	EACH
9"	MAL9M	43.82



Professional Caulking Gun

Square piston design. Puncture wire folds inside handle.1/10 gal, spouted cartridge. 2" dia., 9"long.

STOCK NO	EACH
MACG20.	82.80



Utility Caulking Gun

1/10 gal, spouted cartridge. 2" dia., 8½"long.

STOCK NO	EACH
MACG10.	11.30

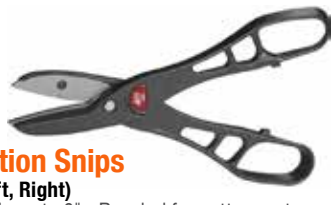


Aluminum Handled Andy Snip

Straight pattern cutting. Metallic gray finish. Long life inlaid steel blades are also replaceable.

Straight Pattern

LENGTH OF CUT	STOCK NO	EACH
3½"	MAM14	77.45



Combination Snips

(Straight, Left, Right)

Cuts circles down to 6" - Beveled for pattern cuts

LENGTH OF CUT	STOCK NO	EACH
3½"	MAMC14	86.82



Ultra Lightweight Combination Snips

10" polymer frame with 3" blades cuts up 26 guage

LENGTH OF CUT	STOCK NO	EACH
3"	MAULC10	67.26



Max2000 Aviation Snips

With Classic Grip handles.

CUT	STOCK NO	EACH
Left	MAMAXCG1	65.11
Right	MAMAXCG2	65.11
Straight	MAMAXCG3	65.11



Max2000 Bulldog Aviation Snips

Designed for bulldog notching and trimming.

STOCK NO	EACH
MAMAXCG5.	68.36



Max2000 Offset Aviation Snips

Cutting plane is offset for superior material flow.

CUT	STOCK NO	EACH
Left cut	MAMAXCG6	79.16
Right cut	MAMAXCG7	79.16



Offset Snips

Drop forged chrome molybdenum alloy steel blades with serrated edges, black oxide blade finish

CUT	STOCK NO	EACH
Right (Green)	9016R	58.95



Mini Aviation Snips

Compact & lightweight snips for challenging spots.

CUT	STOCK NO	EACH
Left cut	MAAVM6EV	32.09
Right cut	MAAVM7EV	32.09



Blade Refill

For Malco utility knife.
5 pack double point blades.

STOCK NO	EACH
MAKBH5	5.27



Replacement Blades

For Malco break-away knife.

STOCK NO	EACH
MABAKRB	12.43



T-Handle Hex Key Set

With vinyl grips, 6" long in reusable vinyl pouch.

8 pieces

LENGTH	STOCK NO	EACH
3/32" — ¼"	MAWT6GS	73.21



PRO-Fit™ Precision Flaring Kit

The kit consists of five bell-shaped, color-coded, size-inscribed flaring bits designed for:
¼", ⅜", ½", ⅝" and ¾"(6, 7.5, 12, 16, 19-mm) tubing

STOCK NO	EACH
RE87001	245.85

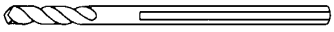


PRO-Fit™ Swaging Kit

The spinning hex swage bit forms a consistent, fast standard 45° flare or swage without splits, burrs, blemishes in copper and aluminum tubing.
Kit consits of 6 Swaging Bits:
¼", ⅜", ½", ⅝", ¾" and ⅞"

STOCK NO	EACH
RE87011	277.02

RECTORSEAL



Pilot Bit

For Arbors Listed above

CHUCK	STOCK NO	EACH
¼"	14PIBI	5.85



Extensions for Self-Feed Bits

1 per vinyl pouch

SIZE	STOCK NO	EACH
12"	12EXT	24.54



(21)

High Speed Jobber's Length Drills

Manufactured to close tolerance
in popular sizes for difficult work.
For use with electric drill, drill press or hand drill.

DIA	LENGTH OVER-ALL	STOCK NO	EACH
5/32"	3⅛"	532DRBI	2.56
3/16"	3½"	316DRBI	3.23
¼"	4"	14DRBI	4.81
5/16"	4½"	516DRBI	7.45
⅜"	5"	38DRBI	10.81
7/16"	5½"	716DRBI	16.83



(21)

Masonary Drill Bits

DIA	LENGTH OVER-ALL	STOCK NO	EACH
3/16"	3½"	316MABI	12.34
¼"	6"	14MABI	9.60
⅜"	6"	38MABI	8.38
½"	6"	12MABI	17.64
¾"	10"	34MABI	60.66

Bi-Metal Utility Bit

SIZE	STOCK NO	EACH
⅞"	LE10949	33.28
1⅛"	LE10951	47.71
1⅜"	LE10953	61.55

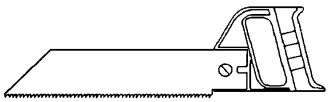
Bi-Metal Utility Bit Extension

SIZE	STOCK NO	EACH
10"	LE30843	28.26



20992-3636
Tri-Fold Saw
- Lightweight saw locks blade in three convenient positions.
- Blade folds away inside handle when not in use.
- Comes with blade for cutting drywall, wood and non-metallic materials.
- Easily change to other reciprocating blades available for different applications.

STOCK NO	EACH
TRFOSA	44.19

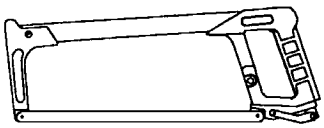


HSF-120
Lenox PVC/ABS Plastic Pipe Hand Saw
12"/300m blade & handle

STOCK NO	EACH
HSF120	36.91
12" Replacement Blade	
HSB12	15.88
18" Replacement Blade	
HSB18	20.25

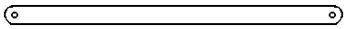
Bandsaw Blade
44⅞" x ½ x .020
Minimum order quantity is 3

LENGTH	TEETH	STOCK NO	EACH
44⅞"	14x18T	80112BSB	19.31



Lenox Hacksaw Frame

STOCK NO	EACH
4012HAFR	61.11



Hacksaw Blades
High speed, Magna Bi-Metal

LENGTH	TEETH	STOCK NO	EACH
10"	24	024HESABL	2.92
12"	18	218HESABL	3.18
12"	24	224HESABL	3.18



Lenox Gold Locking Tradesman Utility Knife

MODEL	STOCK NO	EACH
10771	LE10771	20.59



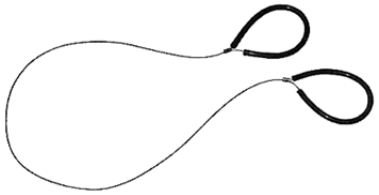
Lenox Gold Utility Knife Replacement Blades
50 Pack

MODEL	STOCK NO	EACH
20351	LE20351	38.33



Sioux Chief "Sawhorse" Multi-Purpose Hand Saw
- High-quality, hardened-steel blade, teeth remain sharp through thousands of cuts.
- Has teeth on the nose for notching in tight areas and starting cuts in floors or walls.
- 12 inches long, 13 teeth per inch.

STOCK NO	EACH
SC30012	25.57
Replacement Blade	
SC30012B	18.74



(40)
Sioux Chief Wire Cable Saw
- For cutting plastic pipe in tight places.
- Disposable good for approx. 40 cuts
- Simply wrap around pipe and alternate pulling from either handle

Allow saw to cool before putting it back inside bag.

STOCK NO	EACH
SC39050105	4.82

Medium Metal Steel Demon Circular Saws



Ideal for Steel Studs, Angle Iron, Flat Bar, Channel, EMT Conduit, & All-thread. Mild Steel Only - ⅛" max wall thickness or 1" max diameter

SIZE	TEETH	ARBOR	STOCK NO	EACH
5⅜"	30 TCG	20mm	D0530FM	47.18
6½"	48 TCG	⅝"	D0648F	55.64
7¼"	48 TCG	⅝"	D0748CFX	57.63

Wood & Metal Circular Saw



Ideal for cutting wood and wood with nails, up to 2-¼" material thickness; and metal ranging from 3/32"-¼" wall thickness and ¼"-1" diameter

SIZE	TEETH	ARBOR	STOCK NO	EACH
6½"	32 C-ATB	⅝"	D0632GPX	43.20
7¼"	36 C-ATB	⅝"	D0736GPX	38.75

Metal DC Duo Cut & Grind Disc - Type 27



Dual cutter and grinder for steel, stainless, cast iron, sheet metal. Hub type 27 with .125" thickness

SIZE	RPM	ARBOR	STOCK NO	EACH
4½"	13280	⅞"	DBD045125X01F	4.06

Metal Cut Off Discs Thin Kerf



Angle grinder for steel, stainless, cast iron, sheet metal. Hub type 1. Thin Kerf Design .04" Thickness

SIZE	RPM	ARBOR	STOCK NO	EACH
4½"	13280	⅞"	DBD045040101F	2.78
5"	12200	⅞"	DBD050040101F	3.66
6"	10150	⅞"	DBD060045101F	3.56

24 Tooth Framing Saw Blade



Ideal for General construction applications, framers, roofers, remodelers, and concrete formers. Tracking Point™ design for straight cuts

SIZE	TEETH	ARBOR	STOCK NO	EACH
7¼"	24 ATB	⅝"	D0724X	18.63

Diamond Metal Cut-off Wheels



Ideal for rebar, angle iron, cast iron and steel bar. Diamond rim delivers up to 100X longer cutting life providing more control, less sparks and less dust

SIZE	TEETH	ARBOR	STOCK NO	EACH
4½"	Diamond	⅞"	DDD045DIA101F	20.48

5 Piece Carbide Recip Set



(2) DS0606CWS - 6" Demo Demon
(1) DS0608CF - 6" Steel Demon
(1) DS0906CWS - 9" Demo Demon
(1) #DS0908CF - 9" Steel Demon

DESCRIPTION	STOCK NO	EACH
5 Piece Kit	DS005SC	70.19



Reciprocating Blades

Wood, Nail-Embedded Wood, and General Purpose (Wood & Metal) Cutting

LENGTH	TEETH	APPLICATION	TOOTH DESIGN	PACKS	STOCK NO	EACH
9"	3 TPI	Pruning & Clean Wood	Carbide Teeth	1pk	DS0903CP	13.66
9"	3 TPI	Pruning & Clean Wood	Carbide Teeth	3pk	DS0903CP3	36.50
6"	6/9 TPI	Nail-Embedded Wood	Carbide Teeth	3pk	DS0606CWS	32.79
6"	6/9 TPI	Nail-Embedded Wood	Carbide Teeth	10pk	DS0606CWS10	98.46
7⅜"	5 TPI	Nail-Embedded Wood	Carbide Teeth	3pk	DS0705CWR3	37.81
9"	6/9 TPI	Nail-Embedded Wood	Carbide Teeth	3pk	DS0906CWS	46.55
9"	6/9 TPI	Nail-Embedded Wood	Carbide Teeth	10pk	DS0906CWS10	141.37
12"	6/9 TPI	Nail-Embedded Wood	Carbide Teeth	3pk	DS1206CWS	60.41
6"	9 TPI	General Purpose (⅛" to ½")	Carbide Teeth	3pk	DS0609CGP	36.50
6"	9 TPI	General Purpose (⅛" to ½")	Carbide Teeth	10pk	DS0609CGP10	115.55
9"	9 TPI	General Purpose(⅛" to ½")	Carbide Teeth	3pk	DS0909CGP	48.69
9"	9 TPI	General Purpose(⅛" to ½")	Carbide Teeth	10pk	DS0909CGP10	156.24
12"	9 TPI	General Purpose (⅛" to ½")	Carbide Teeth	3pk	DS1209CGP	65.43
6"	6/12 TPI	Nail-Embedded Wood	Variable Tooth	5pk	DS0612BW	20.60
6"	6/12 TPI	Nail-Embedded Wood	Variable Tooth	25pk	DS0612BW25	79.45
9"	6/12 TPI	Nail-Embedded Wood	Variable Tooth	5pk	DS0912BW	27.89
9"	6/12 TPI	Nail-Embedded Wood	Variable Tooth	25pk	DS0912BW25	111.25
12"	6/12 TPI	Nail-Embedded Wood	Variable Tooth	5pk	DS1212BW	35.55
6"	8/14 TPI	General Purpose	Variable Tooth	5pk	DS0614BGP	20.60
9"	8/14 TPI	General Purpose	Variable Tooth	5pk	DS0914BGP	27.89

Metal Demolition and Metal Cutting

LENGTH	TEETH	APPLICATION	TOOTH DESIGN	PACKS	STOCK NO	EACH
6"	8 TPI	Thick Metal (3/16" to 9/16")	Amped™ Carbide	3pk	DS0608CFA3	60.67
6"	8 TPI	Thick Metal (⅛" to ½")	Carbide Teeth	3pk	DS0608CF	47.87
6"	8 TPI	Thick Metal (⅛" to ½")	Carbide Teeth	10pk	DS0608CF10	150.98
9"	8 TPI	Thick Metal (3/16" to 9/16")	Amped™ Carbide	3pk	DS0908CFA3	84.04
9"	8 TPI	Thick Metal (⅛" to ½")	Carbide Teeth	3pk	DS0908CF	67.35
9"	12 TPI	Thin Metal (Less Than ⅛")	Carbide Teeth	1pk	DS0912CF	25.73
9"	8 TPI	Thick Metal (⅛" to ½")	Carbide Teeth	10pk	DS0908CF10	207.50
12"	8 TPI	Thick Metal (⅛" to ½")	Carbide Teeth	3pk	DS1208CF	93.84
12"	8 TPI	Thick Metal (⅛" to ½")	Carbide Teeth	10pk	DS1208CF10	286.25
6"	10 TPI	Medium Metal (1/16" to ⅛")	Carbide Teeth	3pk	DS0610CF	48.69
6"	10 TPI	Medium Metal (1/16" to ⅛")	Carbide Teeth	10pk	DS0610CF10	156.24
9"	10 TPI	Medium Metal (1/16" to ⅛")	Carbide Teeth	3pk	DS0910CF	65.43
9"	10 TPI	Medium Metal (1/16" to ⅛")	Carbide Teeth	10pk	DS0910CF10	211.40
6"	20 TPI	Thin Metal (Less than ⅛")	Carbide Strip	1pk	DS0620CF	17.73
8"	20 TPI	Thin Metal (Less than ⅛")	Carbide Strip	1pk	DS0820CF	25.19
6"	8/10 TPI	Thick Metal (⅛" to ½")	Dual Tooth	5pk	DS0608BFD	21.68
9"	8/10 TPI	Thick Metal (⅛" to ½")	Dual Tooth	5pk	DS0908BFD	28.55
6"	14/18 TPI	Medium Metal (1/16" to 5/16")	Dual Tooth	5pk	DS0614BF	20.60
6"	14/18 TPI	Medium Metal (1/16" to 5/16")	Dual Tooth	25pk	DS0614BF25	79.45
9"	14/18 TPI	Medium Metal (1/16" to 5/16")	Dual Tooth	5pk	DS0914BF	27.89
9"	14/18 TPI	Medium Metal (1/16" to 5/16")	Dual Tooth	25pk	DS0914BF25	111.25
12"	14/18 TPI	Medium Metal (1/16" to 5/16")	Dual Tooth	5pk	DS1214BF	35.32
6"	20/24 TPI	Thin Metal (Less than ⅛")	Dual Tooth	5pk	DS0620BF5	19.64
9"	20/24 TPI	Thin Metal (Less than ⅛")	Dual Tooth	5pk	DS0920BF	27.95
3¼"	32 TPI	HVAC/Ductwork	HRC 62	5pk	DS0332BF5	21.01

Cast Iron, Fiber Cement, Masonary & Fiberglass

LENGTH	TOOTH DESIGN	PACKS	STOCK NO	EACH
9"	Diamond Grit + Thin Kerf	1pk	DS0930DGX	20.70

Metal Cut Off Disc Type 27



Angle grinder for steel, stainless, cast iron, sheet metal. Hub type 27 with 1/16" blade thickness

SIZE	RPM	ARBOR	STOCK NO	EACH
4½"	13280	⅞"	DBD045063701F	2.90

Metal Circular Cut Off Disc



Grinder/Circ. saw for steel, stainless, cast iron, sheet metal. Hub type 1 with ⅛" blade thickness

SIZE	RPM	ARBOR	STOCK NO	EACH
7"	8450	⅝"DKO	DBD070125L01F	3.40



Hole Saws
Variable tooth design for faster cuts.
2⅜" cutting depth. Snap-Lock™ mandrel system.

SIZE	STOCK NO	EACH
¾"	DS34HOSA	10.42
⅞"	DS78HOSA	11.52
1"	DS1HOSA	11.92
1⅛"	DS118HOSA	12.42
1¼"	DS114HOSA	13.46
1⅜"	DS138HOSA	14.04
1½"	DS112HOSA	14.34
1¾"	DS134HOSA	15.53
1⅞"	DS178HOSA	16.23
2"	DS2HOSA	16.42
2⅛"	DS218HOSA	17.09
2¼"	DS214HOSA	17.55
2½"	DS212HOSA	18.43
2⁹⁄₁₆"	DS2916HOSA	18.74
3"	DS3HOSA	20.55
3½"	DS312HOSA	23.38
3⅝"	DS358HOSA	23.56
4"	DS4HOSA	31.17
4⅛"	DS418HOSA	33.25
4¼"	DS414HOSA	35.32
4½"	DS412HOSA	37.17
4¾"	DS434HOSA	39.00
5"	DS5HOSA	41.63
5½"	DS512HOSA	43.20
5¾"	DS534HOSA	44.54
6"	DS6HOSA	46.86
Recessed Lighting Hole Saw		
6⅜"	DS638HOSARL	78.00



Snap-Lock Plus™ Mandrel System
9⁄32" (7.15mm) HSS-G pilot drill and 2 adapter nuts

SIZE	STOCK NO	EACH
⅜" hex shank	DHSAR375	23.50
7⁄16" hex shank	DHSAR500	23.50



Adapter Nuts
2-pack for use with other holes saws with Snap-Lock™ Mandrel System

STOCK NO	EACH
DHSNUT2	6.24



Pilot Drill Bits

SIZE	STOCK NO	EACH
9⁄32" HSS-G	DHS4BITII	5.63
¼" Cobalt	DHSBITCB	8.48
¼" Carbide	DHS4BITCT	11.81



Self Feed Wood Bits

SIZE	STOCK NO	EACH
1⅜"	DSF1375	63.75
2"	DSF2000	71.39
2⅛"	DSF2125	73.94
2⁹⁄₁₆"	DSF2562	89.24



9 Piece Hole Saw Kits
⅞", 1⅛", 1⅜", 1½", and 2" hole saws.
1 piece Snap-Lock Plus Mandrel.
1 Pilot Bit and 2 Adapter Nuts (½" and ⅝").

DESCRIPTION	STOCK NO	EACH
9 Piece Kit	DHS09SGP	83.23



14 Piece Hole Saw Kits
⅞", 1⅛", 1⅜", 1½", 2",
2⅛", 2½" and 2⁹⁄₁₆" hole saws.
1 piece Snap-Lock Plus Mandrel.
1 Pilot Bit and 2 Adapter Nuts (½" and ⅝").

DESCRIPTION	STOCK NO	EACH
14 Piece Kit	DHS14SGP	167.37



17 Piece Hole Saw Kit
1⅛", 1¼", 1⅜", 1½", 1¾",
2¼", 2⁹⁄₁₆", 3", 3⅝", 4", and 4½" hole saws.
⅜" and 7⁄16" Snap-Lock Plus Mandrels.
2 Pilot Bits and 2 Adapter Nuts (½" and ⅝").

DESCRIPTION	STOCK NO	EACH
17 Piece Kit	DHS17SPL	262.60



Carbide-tipped 9 Piece Hole Saw Kits
1", 1⅛", 1⅜", 1½", and 2" carbide-tipped hole saws. 1 piece Snap-Lock Plus Mandrel.
1 Pilot Bit and 2 Adapter Nuts (½" and ⅝").
Drills clean wood, nail-embedded wood, plastic, aluminum, metal, cast iron and stainless steel.

DESCRIPTION	STOCK NO	EACH
9 Piece Kit	DHS09SGPCT	157.42



Carbide-tipped 13 Piece Hole Saw Kits
1⅛", 1⅜", 1½", 2", 2⅛", 2⁹⁄₁₆", 2⅝", and 3" carbide-tipped hole saws. 1 piece Snap-Lock Plus Mandrel. 1 cerbide pilot bit, 1 cobalt pilot bit and 2 Adapter Nuts (½" and ⅝").
Designed for plumbers.

DESCRIPTION	STOCK NO	EACH
13 Piece Kit	DHS13SPLCT	299.84



Carbide-tipped Hole Saws
Variable tooth design for wood, nail-embedded wood, plastic, aluminum, metal, cast iron, stainless steel and metal.
2⅜" cutting depth. Snap-Lock™ mandrel system.

SIZE	STOCK NO	EACH
⅞"	DS78HOSACT	21.65
1"	DS1CTHOSA	22.46
1⁻¹⁄₁₆"	DS1116CTHOSA	23.27
1⅛"	DS118CTHOSA	24.38
1¼"	DS114CTHOSA	24.95
1⅜"	DS138CTHOSA	25.92
1½"	DS112CTHOSA	26.84
1⅝"	DS158CTHOSA	27.24
1¾"	DS134CTHOSA	27.54
1⅞"	DS178CTHOSA	29.31
2"	DS2CTHOSA	30.44
2⅛"	DS218CTHOSA	32.59
2¼"	DS214CTHOSA	34.61
2⅜"	DS238CTHOSA	35.92
2½"	DS212CTHOSA	37.00
2⁹⁄₁₆"	DS2916CTHOSA	37.38
2⅝"	DS258CTHOSA	37.67
3"	DS3CTHOSA	39.18
3⅝"	DS358HOSACT	47.64
4½"	DS412HOSACT	78.17
4⅝"	DS458HOSACT	80.78



Steel Demon™ Carbide Teeth Hole Cutter Set
⅞", 1⅛" & 1⅜" Steel Demon Carbide Teeth Hole Cutters.
7⁄16" Snap-Lock™ Plus Mandrel System.
Two plug eject Cobalt pilot bits.

DESCRIPTION	STOCK NO	EACH
6 Piece Kit	DHS06CFS	159.04



Steel Demon Flap Disc
Angle grinder and polisher for metal, stainless steel.
Type 29 conical design with ⅞" arbor (No Hub)

SIZE	RPM	GRIT	STOCK NO	EACH
4½"	13280	40	DCX045040N01F	11.26



Steel Demon Corner-edge Flap Disc
Angle grinder and polisher for metal, stainless steel.
Type 29 conical design with ⅞" arbor (No Hub)

SIZE	RPM	GRIT	STOCK NO	EACH
4½"	13280	40	DCC045040N01F	25.50

24 Piece Screwdriving Set



Includes:
- (1) 1" #1 Phillips Drive Bit
- (2) 1" and (2) 2" #2 Phillips Drive Bits
- (1) 1" #2 Phillips Reduced Drywall Screws Bit
- (1) 1" #3 Phillips Drive Bit
- (1) 1" #1 Square Drive Bit
- (1) 1" and (1) 2" #2 Square Drive Bits
- (1) 1" #3 Square Drive Bit
- (1) 1" #10 Torx Drive Bit
- (1) 1" and (1) 2" #15 Torx Drive Bits
- (2) 1" and (2) 2" #20 Torx Drive Bits
- (2) 1" and (1) 2" #25 Torx Drive Bits
- (1) 1" #30 Torx Drive Bit
- (1) 1" #40 Torx Drive Bit
- (1) 2 3/8" Magnetic Drive Bit Holder

DESCRIPTION	STOCK NO	EACH
24 PIECE	DSCS24	29.66

Magnetic Nut Setters



Kit Includes: 1/4", 5/16", 3/8", 7/16" & 1/2"

SIZE	LENGTH	STOCK NO	EACH
5 Piece Kit	1 7/8"	DNTSSS5	16.23
5 Piece Kit	2 9/16"	DNTSLS5	25.02
1/4"	1 7/8"	DNTSS14	4.32
5/16"	1 7/8"	DNTSS516	4.32
3/8"	1 7/8"	DNTSS38	4.32
7/16"	1 7/8"	DNTSS716	4.97
1/2"	1 7/8"	DNTSS12	4.97

Phillips Drive Bits



Set Includes: #1, #2 & #3

DESCRIPTION	LENGTH	STOCK NO	EACH
3 Piece Set	1"	DPHV1S3	3.08
#1	2"	DPH12P1	2.47
#2 (2 Pack)	1"	DPH21P2	2.47
#2R (25 Pack)	1"	DPH2R1P25	16.23

Double-Ended Bit Packs



SIZE	STOCK NO	EACH
Phillips #1, #2 & #3	DDEPHV25S3	4.97
Phillps #2, Square #2 & Torx #25	DDEV25S3	4.97

Square Drive Bits



SIZE	LENGTH	STOCK NO	EACH
#2	2"	DSQ22P1	2.47
#2 (5 Pack)	2"	DSQ22P5	7.48
#3	2"	DSQ32P1	2.47

Torx Drive Bits



Set Includes: #10, #15, #20, #25, #27, #30 & #40

DESCRIPTION	LENGTH	STOCK NO	EACH
7 Piece Set	1"	DTV1S7	7.11
#40 (25 Pack)	1"	DT401P25	16.23

Universal Extension



SIZE	LENGTH	STOCK NO	EACH
1/4" Hex	6"	DXT1010	12.83
1/4" Hex	12"	DXT1020	15.88
7/16" Hex	5 1/2"	DHS500XT6	24.23
7/16" Hex	12"	DHS500XT12	26.91
7/16" Hex	18"	DHS500XT18	29.62

Magnetic Drive Bit Holder



SIZE	STOCK NO	EACH
2 3/8"	DBH238	4.97
2 3/8" Quick Change	DBH238QC	7.48

Square x Hex Socket Adapter



SIZE	STOCK NO	EACH
1/4" Square x 1/4" Hex.	DSA0250	3.74
3/8" Square x 1/4" Hex	DSA0375	4.97
1/2" Square x 1/4" Hex	DSA0500	6.24

SDS-Plus 2-Cutter Stop Bit



SIZE	STOCK NO	EACH
1/2" x 13/16"	DMAST1020	29.23

Tile & Stone Carbide Tipped Drill Bit



SIZE	LENGTH	STOCK NO	EACH
5/16"	2 1/4"	DMANS1040	12.19

SDS-Plus Full Carbide Head Concrete Anchor Hammer Drill Bits



SIZE	WORKING LENGTH	LENGTH	STOCK NO	EACH
5/32"	3 1/2"	6"	DMAPL2910	11.87
3/16"	3 1/2"	6"	DMAPL2920	11.92
1/4"	3 1/2"	6"	DMAPL2930	11.43

SDS-Plus Concrete Anchor Drive Sleeve



Compatible with 5/32", 3/16" and 1/4" Concrete Anchor Hammer Drill Bits

LENGTH	STOCK NO	EACH
5 3/4"	DMAPL2960	14.85

Rebar Demon™ SDS-Plus 4-Cutter Full Carbide Head Hammer Drill Bit



SIZE	WORKING LENGTH	LENGTH	STOCK NO	EACH
7/16"	4"	6"	DMAPL4174	14.47
7/16"	10"	12"	DMAPL4176	20.80
1/2"	4"	6"	DMAPL4180	11.43
1/2"	16"	18"	DMAPL4200	31.63
5/8"	16"	18"	DMAPL4240	43.70
3/4"	8"	10"	DMAPL4250	43.40

Carbide Tipped Hammer Drill Bit Set



Length: 6"
5/32", 3/16", 1/4", 5/16", & 3/8"

DESCRIPTION	STOCK NO	EACH
5 Piece Kit	DMAMM1190S5	28.35

Installer Bits

SIZE	WORKING LENGTH	LENGTH	STOCK NO	EACH
1/4"	3"	18"	DIB1050	15.82
1/2"	3"	18"	DIB1080	19.16

Auger Bits

SIZE	LENGTH	STOCK NO	EACH
1/4"	7 1/2"	DAG1010	13.78
1 1/8"	7 1/2"	DAG1140	31.23
1 3/8"	7 1/2"	DAG1160	37.03
1 1/2"	7 1/2"	DAG1170	38.04
3/4"	17 1/2"	DAG3070	36.68
7/8"	17 1/2"	DAG3090	41.23
1 1/16"	17 1/2"	DAG3120	43.52
1 1/4"	17 1/2"	DAG3140	45.04

SPEEDemon™ Spade Bits



9 Piece Set: 1/4", 3/8", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8" & 1"
16 Piece Set: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 3/16", 7/8", 1", 1 1/8", 1 1/4", 1 3/8" & 1 1/2" • Length: 6"

SIZE	STOCK NO	EACH
9 Piece Set	DSP2930S9	23.45
16 Piece Set	DSP2980S16	52.34
1/2"	DSP2050	3.59
5/8"	DSP2070	3.79
3/4"	DSP2090	3.94
7/8"	DSP2110	4.04
1"	DSP2130	4.17
1 1/8"	DSP2140	6.13
1 1/4"	DSP2150	6.70
1 3/8"	DSP2160	6.79
1 1/2"	DSP2170	6.90

SDS-Plus Tile Chisel



SIZE	LENGTH	STOCK NO	EACH
1 1/2"	10"	DMAPLCH2020	22.60

SDS-Plus Twist Point Chisel



LENGTH	STOCK NO	EACH
10"	DMAPLCH2030	22.69

SDS-Plus Rebar Cutter



SIZE	WORKING LENGTH	LENGTH	STOCK NO	EACH
5/8"	5"	12"	DMAPLRC1040	55.63

Oscillating Blades

Diamond Cut-Off Disc For Masonry



Design for up 60% smoother cuts, resulting in chip-free cuts without burn marks

SIZE	RPM	ARBOR	STOCK NO	EACH
Continuous				
4 ½"	13280	⅞" & 5/8"	DMADC0450	46.89
Segmented				
4 ½"	13280	⅞" & 5/8"	DMADS0450	40.16
7"	8450	⅞" & 5/8"	DMADS0700	66.95

T-Shank Jig Saw Set For Wood & Metal



DESCRIPTION	STOCK NO	EACH
5 Piece Kit	DJT5S	11.69
10 Piece Kit	DJT10S	23.40

Impact Step Drill Bits



SIZE	STOCK NO	EACH
¼" - ½"	DSD0500S13	48.22
⅞" - 1⅛"	DSD1125S17	93.70
⅞" - 1⅜"	DSD1375S15	101.76
Bit Set: Inludes all 3 sizes & case		
¼" - ½", ⅞" - 1⅛" & ⅞" - 1⅜"	DSDS003	178.20

Rough-In Hole Saws



Demo Demon® carbide teeth rough-in hole saws. 2⅜" cutting depth. Snap-Lock™ mandrel system.

SIZE	STOCK NO	EACH
2⅛"	DHS218CTRHOSA	44.19
2⁹⁄₁₆"	DHS2916CTRHOSA	53.01
3"	DHS3CTRHOSA	66.27
3⅝"	DHS358CTRHOSA	73.21
4⅝"	DHS458CTRHOSA	95.93
8-Piece Rough-In Hole Saw Kit. Includes all sizes above plus 2 Pilot Bits and 1 Mandrel.		
2⅛", 2⁹⁄₁₆", 3", 3⅝", & 4⅝"	DHS8SCTR	353.43

8TPI AMPED™ Steel Demon™ Carbide Teeth Reciprocating Saw Blade



For Thick Metal Cutting

LENGTH	STOCK NO	EACH
6"	DS0608CFA10	200.70
9"	DS0908CFA10	277.70

Starlock General Purpose Oscillating Blades



1¼" Bi-Metal Blade for Nail-Embedded Wood
1¼" Bi-Metal Blade for Clean Wood
1¼" Carbide Blade for General Purpose Cuts
1¼" Carbide Blade for Metal
2" Bi-Metal Blade for Drywall

DESCRIPTION	STOCK NO	EACH
5 Piece Kit	DOS5S	96.23

Starlock Carbide Grit Oscillating Blade for Grout and Mortar



SIZE	STOCK NO	EACH
2 ¾"	DOSCGX	41.53

Universal Fit Carbide Oscillating Blades for General Purpose Cuts



SIZE	STOCK NO	EACH
1 ¼" (3-Pack)	DOU125CGP3	63.57

Universal Fit Bi-Metal Oscillating Blades for Clean Wood



SIZE	STOCK NO	EACH
1 ¼" (3-Pack)	DOU125JBW3	49.42

Universal Fit Diamond Grit Oscillating Blade for Grout



SIZE	STOCK NO	EACH
¹⁄₁₆" Grout Thickness	DOU16DGX	56.47

Universal Fit Bi-Metal Oscillating Blade for Drywall



SIZE	STOCK NO	EACH
2"	DOU200RBD	26.81

Universal Fit General Purpose Oscillating Blades



1¼" Bi-Metal Blade for Nail-Embedded Wood
1¼" Bi-Metal Blade for Clean Wood
1¼" Carbide Blade for General Purpose Cuts
1¼" Carbide Blade for Metal
2" Bi-Metal Blade for Drywall

DESCRIPTION	STOCK NO	EACH
5 Piece Kit	DOU5S	96.23

Universal Fit Carbide Oscillating Blade for General Purpose Cuts



SIZE	STOCK NO	EACH
2 ¾"	DOU275RCGP	42.36

Universal Fit Bi-Metal Oscillating Blade for General Purpose Cuts



SIZE	STOCK NO	EACH
3 ½"	DOU350RBGP	35.32

Universal Fit Bi-Metal Oscillating Blade for Metal

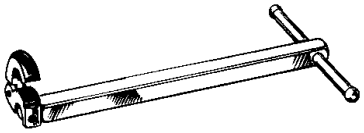


SIZE	STOCK NO	EACH
1 ¼"	DOU125BF	25.37

Universal Fit Bi-Metal Oscillating Blades for Nail-Embedded Wood

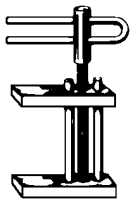


SIZE	STOCK NO	EACH
1 ¼" (3-Pack)	DOU125BW3	49.42



"Speedy" Basin Wrenches

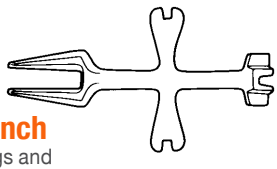
LENGTH	STOCK NO	EACH
With Standard Jaq		
11"	CS3000C	13.70



Spud Wrench

Hardened steel for removal or installation of closet spuds, sink strainers, P.O. plugs, waste and overflows

CAPACITY	STOCK NO	EACH
1" – 4"	CS3030	42.75



P.O. Plug Wrench

Holds pop-up plugs and basket strainers in position and keeps them from turing during installation

STOCK NO	EACH
CS3024	8.15



Strainer Lock Nut Wrench

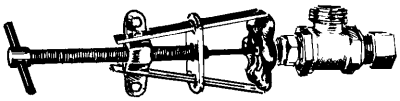
with hinged jaw

STOCK NO	EACH
CS3003	13.28

Tub Drain Extractor Tool

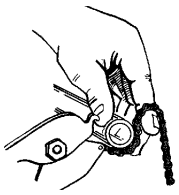
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STOCK NO	EACH
RE97258	168.13



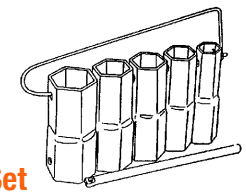
Handle Puller

STOCK NO	EACH
CS3074C	17.28



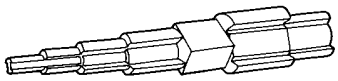
Wheeler HD Glass Cutter

STOCK NO	EACH
69012GLCU	118.23



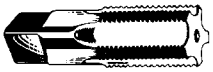
Socket Wrench Set

STOCK NO	EACH
CS3068	18.98



Radiator Nipple Wrench

STOCK NO	EACH
CS3007	18.87



"Lucky" Pipe Taps

CAPACITY	STOCK NO	EACH
1/8"	CS3441	7.99
1/4"	CS3442	9.83
3/8"	CS3443	11.66
1/2"	CS3444	11.88
3/4"	CS3445	18.36
1"	CS3446	45.36
1 1/4"	CS3447	74.95
1 1/2"	CS3448	99.90
2"	CS3449	144.40



Pipe Extractors

SIZE	STOCK NO	EACH
1/8"	18PIEX	23.92
1/4"	14PIEX	25.92
3/8"	38PIEX	26.14
1/2"	12PIEX	30.71
3/4"	34PIEX	37.45
1"	1PIEX	54.50
1 1/4"	114PIEX	86.49



Swedge Tool

Swedges: 3/8", 1/2", 3/4" I.D. Nominal

SLIPS O.D. TUBING	STOCK NO	EACH
1/2, 5/8 & 7/8"	CS3713	25.42



"Flip Drive" Reversible Socket

Reversible Socket Drives: 1/4"& 5/16".

MODEL	STOCK NO	EACH
7411	RE7411	11.14



Rectorseal "Golden Grip" Internal Pipe Wrench

SIZE	STOCK NO	EACH
1/2"	12INPIWR	119.19



Pasco Ram Bit

For in-line repairs and installations. Reams plastic pipe squarely & accurately below the surface or finsished grade.

Works on: ABS DWV, PVC DWV, PVC Pressure.

SIZE	STOCK NO	EACH
1 1/2"	PA3243	39.96
2"	PA3244	41.04
3"	PA3253	56.16
4"	PA3254	61.56



Pasco Smart Dumbell

Installs and removes tub drains & closet spuds.

PART NO	STOCK NO	EACH
4554	PA4554	14.34



(18)

Pasco 4-Way Key

Sizes: 1/4" - 9/32" - 5/16" - 11/32"

PART NO	STOCK NO	EACH
1701	PA1701	7.87



(18)

Tie-Down Straps

SIZE	STOCK NO	EACH
15"	R715B	3.60
20"	R722B	3.87
31"	R731B	5.06



Curved Handle Wire Brush

SIZE	STOCK NO	EACH
14"	14CUHABR	7.81



Large Wood Handle Dope Brush

SIZE	STOCK NO	EACH
¾"	34DOBR	2.28



Dope/Cement Mini-Brush

China bristles, Wood handle

SIZE	STOCK NO	EACH
2"	2DOBR	2.48



Outdoor Extension Cords

Heavy duty, round, vinyl extension cord designed for industrial use. Orange vinyl jacket protects against oil, grease, ozone, and gives added flexibility at below freezing temperatures. Vinyl plugs and connectors are molded on and won't break or pull off cord.

LENGTH	WIRE	STOCK NO	EACH
25'	16/3	7ECC1625	80.00
50'	16/3	7ECC1650	179.72
100'	16/3	7ECC16100	235.08



3-Way Power Spread

- Meets OSHA Requirements.
- SJTW-A Insulation.
- High visibility orange thermo-plastic PVC jacket.
- Grounded three way power spread features unbreakable molded connectors serving as the power source for three different jobs at the same time with 3 outlets.

LENGTH	WIRE	STOCK NO	EACH
2'	12/3	BR8536	63.09



Extension Lights

These all-weather lights are extra flexible with metal guards. Rating- 13A/125V

LENGTH	WIRE	STOCK NO	EACH
50'	16/3	5201	255.52



5" LED Penlight

(2) "AA" Cell Batteries.

STOCK NO	EACH
BR16064	12.24



Batteries

general purpose.

STOCK NO	EACH
AA batteries	
1AABA	1.65
D batteries	
1D1BA	3.66



Bramec 75 Watt Rough Service Bulb

STOCK NO	EACH
BR8501	2.27



Inspection light

Seekermini - UV Led Light
3 AAA Batteries Included

STOCK NO	EACH
84DCPLUS	108.30



HemiPlus Cliplight

Rechargable 4 hours at 1200 lumes.
Metal hook and removable magnetic cover.

STOCK NO	EACH
114302	321.76



Camo Clipstrip Pocket Light

Three AAA Batteries included.
140 lumes and a pivoting magnetic clip.

STOCK NO	EACH
111116	60.59



Cliplight Spotlight

- Rechargable 3 hours at 1200 lumes.
- 2 adjustable joints on magnetic stand.
- 3 power modes including a dimmer.

STOCK NO	EACH
111121	225.77



Sioux Chief Work Gloves

DESCRIPTION	STOCK NO	EACH
Brown Jersey	SC96120	3.57
Seamless w/Gripping Dots	SC96122	4.25



Knit Gloves

Maxiflex Seamless Knit Gloves

DESCRIPTION	STOCK NO	EACH
Large	PIP34874L	11.49
X-Large	PIP34874XL	11.49



ATLANTA

Knee-PRO Ultra Flex Pads

PART NO	STOCK NO	EACH
9215	AT9215	73.85



Shoe Covers

PART NO	STOCK NO	EACH
SC-1	SC1	49.96



Veratti Sport Safety Glasses

Grey frame/clear lens

STOCK NO	EACH
SAFEGLASSES	16.46

Miscellaneous Tools and Specialties (18)

brotex.com laco.com



LA-CO Hand Towels

Tub of big pre-moistened hand-cleaning towels.

STOCK NO	EACH
TUBTOL	23.31



General Purpose Towels

200 per Box.

STOCK NO	EACH
TOWINBOX	27.58

Pastel Knit Rags

10lb. Box.

STOCK NO	EACH
RAINBOX	26.22



Liquid Wrench

The super penetrate that loosens rusted bolts, nuts and parts in seconds.

SIZE	STOCK NO	EACH
11 oz. spray	11OZLIWR	15.19
Pint	PTLIWR	10.18



LACO Zoom Spout Oiler

Premuim Grade All Purpose Oil

Flexible telescoping spout extends 7" for difficult-to-reach areas.

SIZE	STOCK NO	EACH
4 oz.	4OZZOSP	6.36



Gel-Gloss

Cleans, seals, protects and beautifies marble vanities, ceramic tile, fiberglass fixtures.

SIZE	STOCK NO	EACH
16 oz.	GEGLCL	13.90



(40)

Ekern Last Drop Suction Gun

Removes water from toilet tanks for repair or replacement.

STOCK NO	EACH
LADRSUGU	55.69



Universal All Purpose Grease

Lubricates faucet stem threads, O-ring packings, gaskets, ballcock cup leathers, etc.

SIZE	STOCK NO	EACH
2 oz.	HEPRGR	7.82



Soapstone Flat Marker

Used for or temporary marking of metal during welding or fabrication. Easily removed and will not contaminate weld.

SIZE	STOCK NO	EACH
5 x 1/2 x 3/16	SOSTMA	.65



Soapstone Flat Marker Holder

STOCK NO	EACH
SOSTHO	13.54



Yellow Lumber Crayon

Marking Range: -50°F to 150°F.

SIZE	STOCK NO	EACH
1/2" x 4 5/8"	LUCA	1.80



Dura-Ink Markers

SIZE	COLOR	STOCK NO	EACH
No. 25 King size.			
1/2" x 4 5/8"	Black	BLMARKER	5.41
1/2" x 4 5/8"	Blue	BLUEMARKER	3.36
1/2" x 4 5/8"	Red	REDMARKER	5.41



Valve Action Paint Markers

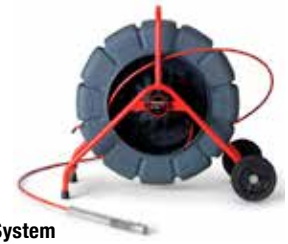
Bullet Tip.

COLOR	STOCK NO	EACH
WHITE	WHVAPMA	6.49
YELLOW	YEVAPMA	6.49
RED	REDVAPMA	6.49



SeeSnake MAX rM200
Camera System
1" to 6" Lines up to 200'

MODEL	STOCK NO	EACH
42348	RI42348	16479.49



SeeSnake
Video Inspection System
Self-leveling cameras for always upright images.
325' Reel. 115v • 2" to 12"

MODEL	STOCK NO	EACH
13998	RI13998	17305.57



SeeSnake CS-6
Digital Recording Monitor
Direct to USB recording

MODEL	STOCK NO	EACH
45143	RI45143	6147.21



Micro CA-350
Inspection Camera
3.5" Color Display • 4GB SD Card included

MODEL	STOCK NO	EACH
37888	RI37888	1388.83



NaviTrack
Scout Locator
4 C-cell batteries

MODEL	STOCK NO	EACH
19238	RI19238	2974.10



SeekTech ST-305
Line Transmitter
Can transmit two frequencies simultaneously

MODEL	STOCK NO	EACH
21898	RI21898	1914.81



K-7500 Drum Machine
For 3" - 10" Lines
- Cable spins at 200 RPM
- ¾" x 100' Inner Core Cable
- 600W Universal Motor

STOCK NO	EACH
RI60052	8967.43



K-750 Drum Machine
For 3" - 8" Drain/Sewer Lines
- Cable spins at 200 RPM
- Adjusts to either ⅝"or ¾" cable
- 550W Induction Motor

STOCK NO	EACH
RI42007	5550.24



K-400 Drum Machine
For 1½" to 4" Drain Lines
- ⅜" cable best for 1½" to 3" lines
- ½" cable best for 3" to 4" lines
- Integrated Telescoping Handle
- Integrated Transport Cart

STOCK NO	EACH
RI24853	1137.74

K-400 Tool Kits

STOCK NO	EACH
T-250	
Includes: T-203, T-205, T-217 & A-13	
RI48482	112.37
T-260	
Includes: T-202, T-205, T-211 & A-13	
RI49002	84.69



K-3800 Drum Machine
For ¾" - 4" Drain Lines
- Maximum drum capacity is 100' of ⅜" or 90' of ½"
- Ideal for cleaning ¾" to 1½" sink traps
- 175W Universal Motor spins cable at 240 RPM

STOCK NO	EACH
RI53117	3389.51

K-3800 Tool Kits

STOCK NO	EACH
T-270	
Includes: T-102, T-142, T-107 & A-12	
RI54992	166.33



K-50 Sectional Machine

For ¾" to 4" Drain Lines

- Capable of running 3 different size cables: 5/16", 3/8" and 5/8"
- 300 Watt Motor

STOCK NO	EACH
RI58920	2824.23



K-45 Sink Machine

For ¾" to 2½" Drain Lines

- ¼" cable best for ¾" to 1½" lines
- 5/16" cable best for ¾" to 1½" lines
- 3/8" cable best for 1¼" to 2½" lines
- 0-600 RPM Variable Speed Power Unit

STOCK NO	EACH
RI35998	990.93



K-40 Sink Machine

For ¾" to 2½" Drain Lines

- ¼" cable best for ¾" to 1½" lines
- 5/16" cable best for ¾" to 1½" lines
- 3/8" cable best for 1¼" to 2½" lines
- 175 W Induction Motor

STOCK NO	EACH
RI71722	2067.59



K-1 Combination Auger

"C" Cutter Head • 4' Length

- Dual Power Operation
- Telescoping Design
- Left Hand Wound Cable

STOCK NO	EACH
RI46683	139.93



K-3/K-6 Toilet Auger

High quality tools in 3' & 6' lengths provide fast and safe clearing of toilet obstructions.

SIZE	STOCK NO	EACH
3'	RI59787	81.99
6'	RI59797	123.13
6' Drop Head	RI59802	153.91



Tools

MODEL	SIZE	STOCK NO	EACH
A-1	Left Hand Mitt	RI59205	61.20
A-2	Right Hand Mitt	RI59295	61.20
A-13	Pin Key fro 3/8"	RI59230	12.53
T-1	Straight Auger	RI62840	56.58
T-8	2½" Grease Cutter	RI63205	59.04
T-101	Straight Auger	RI62850	46.60
T-102	Funnel Auger	RI62855	46.60
T-201	5" Straight Auger	RI62990	30.92
T-202	1⅝" Bulb Auger	RI62995	30.92
T-203	⅞" Bulb Auger	RI63000	30.92
T-204	1" C-Cutter	RI54837	27.11
T-205	1⅜" C-Cutter	RI63005	30.92
T-206	3" Funnel Auger	RI63010	32.31
T-207	1¼" Spiral Cutter	RI63015	36.88
T-208	1½" Spiral Cutter	RI63020	40.50
T-210	1" Spade Auger	RI63030	33.66
T-211	1⅜" Spade Cutter	RI63035	35.17
T-213	1" Blade Cutter	RI63045	51.03
T-214	1⅜" Blade Cutter	RI63050	55.76
T-217	4" Drop Head Auger	RI63065	32.95
T-232	3" HD Buld Auger	RI52822	53.82
T-403	3" P-Trap Cutter	RI92485	47.75
T-406	1¾" Spade Cutter	RI92495	40.50
T-408	3" Sawtooth Cutter	RI92505	49.96
T-409	1¾" HD Bulb Auger	RI51762	56.51
T-411	2" Dbl. Cutter	RI92510	44.25
T-412	3" Dbl. Cutter	RI92520	53.41
T-414	4" Dbl. Cutter	RI92525	56.58
T-432	2" 3-Blade Cutter	RI92535	99.99
T-433	3" 3-Blade Cutter	RI92540	106.84
T-50-1	3" Sharktooth Cutter	RI98035	76.23
T50-2	4" Sharktooth Cutter	RI98040	79.35
T-150-1	3" Sharktooth Cutter	RI98055	74.53
T-150-2	4" Sharktooth Cutter	RI98060	77.44



Cables

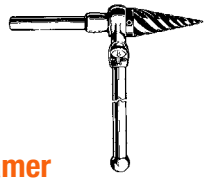
MODEL	SIZE	STOCK NO	EACH
¼" Cables			
S-1	¼"x 25' Funnel Auger	RI50652	91.85
5/16" Cables			
C-1	5/16"x 25' Bulb Auger	RI62225	137.04
C-1IC	5/16"x 25' Bulb Auger	RI56782	107.23
C-2	5/16"x 25' Drop Head Auger	RI62235	121.89
C-2IC	5/16"x 25' Drop Hd	RI516X25DH	131.15
C-13IC	5/16"x 35' Bulb Auger	RI56792	136.30
C-13ICSB	5/16"x 35' Bulb Auger	RI95847	136.30
C-23IC	5/16"x 35' Drop Head Auger	RI56797	162.65
C-21	5/16"x 50' Bulb Auger	RI89400	252.77
C-22	5/16"x 50' Drop Head Auger	RI89405	197.18
3/8" Cables			
C-4	3/8"x 25' Male Coupling	RI62245	120.39
C-5	3/8"x 35' Bulb Auger	RI62250	148.50
C-6	3/8"x 35' Male Coupling	RI62260	172.23
C-31	3/8"x 50'	RI37842	264.10
C-32	3/8"x 75'	RI37847	343.33
C-33	3/8"x 100'	RI37852	415.98
C-31IW	3/8"x 50'	RI87577	264.10
C-32IW	3/8"x 75'	RI87582	328.21
C-33IW	3/8"x 100'	RI87587	411.13
½" Cables			
C-45	½"x 75'	RI37862	442.38
C-45IW	½"x 75'	RI87597	443.31
5/8" Cables			
C-7	5/8"x 7.5' Tight Wind	RI62265	77.64
C-8	5/8"x 7.5' All Purpose Wind	RI62270	58.21
C-25	5/8"x 25'	RI92460	215.85
C-26	5/8"x 50'	RI92465	361.67
C-24	5/8"x 100'	RI43647	682.01
C-24HC	5/8"x 100'	RI58192	484.33
¾" Cables			
C-28	¾"x 25'	RI92475	275.85
C-29	¾"x 50'	RI92480	475.07
C-75	¾"x 75'	RI41212	668.56
C-100	¾"x 100'	RI41697	871.65
⅞" Cables			
C-10	⅞"x15' All Purpose Wind	RI62275	118.61
1¼" Cables			
C-11	1¼"x15' All Purpose Wind	RI62280	209.06
C-14	1¼"x15' Extra Flex Wind	RI62295	199.10



1pc. Flat Sewer Tape

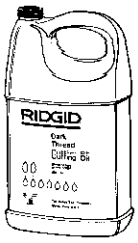
For use on sewer/drain lines through 8" in diameter and up to 100' in length

SIZE	STOCK NO	EACH
¾" x 100'	RI62605	1610.60



Spiral Rachet Reamer

CAPACITY	STOCK NO	EACH
1/8 – 2	2SRIRE	509.26

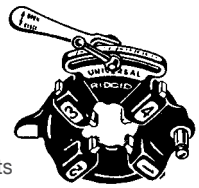


(40)

Thread Cutting Oil

- Finest quality, special purpose sulphurlard cutting oil that cools, speeds metal removal, produces smooth, clean threads, prevents chips from welding to dies.
- An exactly formulated combination of petroleum oils and special additives.
- Will not congeal at 20 degrees Fahrenheit.
- Comparative tests prove the superiority of RIDGID Thread Cutting Oil.
- Excellent for drilling, turning and other metal cutting operations but should not be used for lubricating.
- Available in Dark and Nu-Clear.

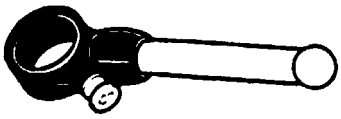
SIZE	STOCK NO	EACH
Nu-Clear		
1 gallon Can	70835RICUOI	65.42
5 gallon Can	41575RICUOI	330.18
Dark		
1 gallon Can	70830RICUOI	64.37
5 gallon Can	41600RICUOI	278.06



811 Universal Die Head

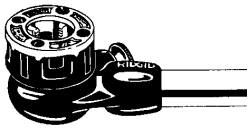
Fully adjustable 1/4 – 2" Bolts
HEAD ONLY

CAPACITY	STOCK NO	EACH
1/4 – 2"	811DIHE	894.83



Ratchet and Handle Complete

STOCK NO	EACH
00RRIRA	151.31
12RRIRA	175.23



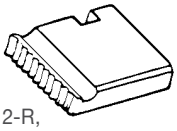
Die Heads with Dies

SIZE	STOCK NO	EACH
00-R Exposed		
1/2"	12OORDIHE	159.75
3/4"	34OORDIHE	159.75
1"	1OORDIHE	173.12
12-R Exposed		
3/8"	3812RDIHE	211.76
1/2"	1212RDIHE	218.59
3/4"	3412RDIHE	218.59
1"	112RDIHE	279.40
1 1/4"	11412RDIHE	279.40
1 1/2"	11212RDIHE	307.92
2"	212RDIHE	307.92

High Speed Pipe Dies

Fit Die Head 65R-C

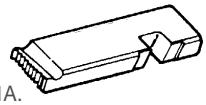
SIZE AVAILABLE	STOCK NO	EACH
1 – 2"	65RDI	223.20



Alloy Pipe Dies

RH-NPT
For 0-R, 11-R, 00-R, 111-R, 12-R, 30-A and 31-A Threaders

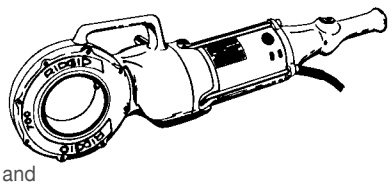
SIZE	STOCK NO	EACH
1/4"	1412RDI	101.66
3/8"	3812RDI	101.66
1/2"	1212RDI	102.59
3/4"	3412RDI	102.59
1"	112RDI	117.92
1 1/4"	11412RDI	117.92
1 1/2"	11212RDI	130.90
2"	212RDI	130.90



Alloy Pipe Dies

RH-NPT, Fits Die Head 811A.

SIZE	STOCK NO	EACH
1/4 & 3/8"	1438811DI	250.47
1/2 & 3/4"	1234811DI	250.47
1 & 2"	12504811DI	250.47

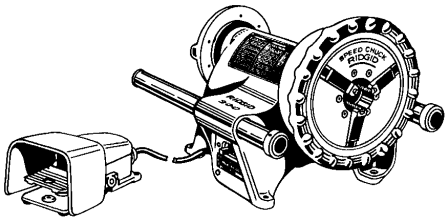


No 700
Portable Power Drive

- Compact, powerful, engineered and built for complete utility and trouble-free service.
- Plenty of power to cut threads and drive geared threaders.
- Reversible motor and all-spur gear reduction assure maximum power and efficiency.
- Die heads and adapters lock in securely from either side.
- RIDGID No. 12R Die Heads fit without an adapter while only four adapters are needed for other RIDGID Die Heads.
- A Square Drive Adapter is used for RIDGID Geared Threaders.
- Gear case, housing and handle are rugged cast aluminum for strength without added weight.
- Motor: Universal, ½ hp, 115 or 230 volt, ac (25-60 Hz), reversible, 3 pole, double throw (reversible) switch with spring return to center "off" position.

Capacity: ⅛" – 2" Pipe and conduit
(Through 12" with geared threaders).

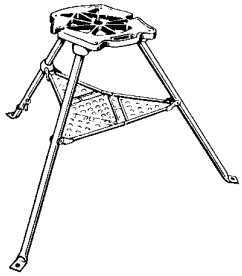
SIZE	STOCK NO	EACH
¼ – 1" ROD	700RIPODR	3282.69



No 300
Power Drive

- Ideal for bench, truck or stand mounting.
- RIDGID Speed Chuck holds tight, forward or reverse
- Integral foot switch for safer operation
- Replaceable jaw inserts
- All-metal, one-piece hand wheel
- 2 tool support bars
- 1/2 hp 115 V. Universal, reversible motor, 230 V motor available at no extra cost.
- 3-jaw, cam-action, rear centering device keeps pipe straight for true threads and cuts.
- Capacity: ⅛" – 2" Pipe and conduct

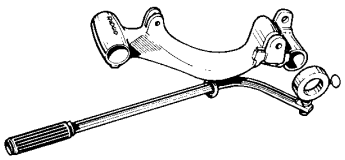
SIZE	STOCK NO	EACH
¼ – 2" bolts & rod	300RIPODR	5750.16



No 1206 Stand
For No 300 Power Drive

Portable and time-saving work base for your RIDGID 300 Power Drive. Integral folding legs and tray are extra rigid when opened for use...fold and chain lock closed for easy carrying...no loose parts.

USE WITH	STOCK NO	EACH
300 Power Drive	1206RIST	793.23



No 311
Carriage with Lever
For No. 300 Power Drive

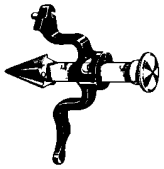
Slip this strong carriage on your RIDGID 300 Power Drive, and you'll get fast cut-and-thread efficiency. Holds die head, cutter and reamer at your fingertips exactly like a Pipe Machine. No tools to drop. Easy sliding, snugs right up to chuck for close threading and cut-off. Die head and cutter operate independently, swing up and stay out oaf way when not in use.

USE WITH	STOCK NO	EACH
300 Power Drive	1311RICA	794.65



No 312
Carriage Lever

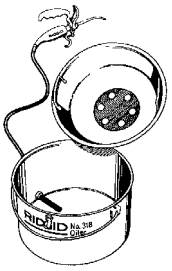
USE WITH	STOCK NO	EACH
No. 311 Carriage	1312RICALE	198.92



No 341
Reamer

For No. 311 Carriage

CAPACITY	STOCK NO	EACH
⅛ – 2" Pipe	341RIRE	429.29



No 418 Oiler

Stops Oil Waste, Keeps Dies Flooded for Perfect Threads, Longer Die Life.
Hand-operated continuous oiler pumps easily be thumb action. Large chip pan catches oil runoff, chips and scraps. No messy floors. Oil is double-screened and recirculated through reservoir, hose and hand pump. Completely portable. Quickly pays for itself in oil savings alone.
Chip pan is 14½"in diameter, 8½" high, Hose length, 48"

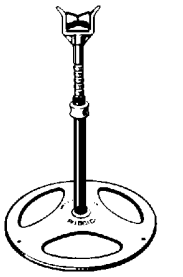
STOCK NO	EACH
418RIOI	635.50

Hose with Fittings

418RIHO	89.86

ACCESSORIES

DESCRIPTION	STOCK NO	EACH
Repair Kit	RIC850X	172.96
Pump Assembly	RIC851X	431.89



No 92
Adjustable Pipe Supports

Large rollers let pipe move forward freely. Rugged construction, supports pipe without tipping or rocking. Height is adjustable from 32" to 41".

CAPACITY	STOCK NO	EACH
6"	92RIPISU	931.82



ROPOWER 50R
Threading Machine

All ROTHENBERGER pipe threading machines are equipped with auto oiling, easy change die heads. Single Speed. ¼"-2" Capacity. ½"-2" NPT Dies.
Set of 4 legs included. (Not Shown)

MODEL	STOCK NO	EACH
63005	RO50R	6808.89

ROTHENBERGER

rothenberger-usa.com

(41)
Model 1041



Pipe Roll Grooving Attachment
- Top pipe diameter 1-6" - Schedule 40 steel.
- The Model 1041 is designed to easily mount on the Ridgid 300 power drive.
- The tool has a manual hydraulic system which supplies grooving force to the rolls.
- The tool has easy dial settings for groove depth.

For use with Steel Pipe

STOCK NO	EACH
RU1041RENTAL	Call for Pricing

(40)
REMS Special Threading Oil

SIZE	STOCK NO	EACH
21.5 oz. spray can	RE215	43.61

Amigo Threader Dies Only

SIZE	STOCK NO	EACH
½"	RE12AMDI	216.37
¾"	RE34AMDI	262.32
1"	RE1AMDI	224.27
1½"	RE112AMDI	369.20
1¼"	RE114AMDI	262.32
2"	RE2AMDI	380.67



(40)
Ratchet Type Tube Bender

For soft copper ONLY. One hand action, manual ratchet for easily bending ⅜" through ⅞" OD tubing.

STOCK NO	EACH
RECH404L	252.45



(40)
Amigo 2 Power Hand Threader

Weighs 14 lbs. No additional pipe vise needed even on larger sizes (1½" and 2"). Unique support clamp serves as pipe vise and protects operator. Safe to use.
Works on all major pipe types, including stainless steel.
Die head capacity ⅛"-2". Double Insulated.

Includes: full set ½" to 2"die heads (six die heads) and steel carrying case.

DIE HEAD CAPACITY	STOCK NO	EACH
⅛"-2"	AMIGO2	4569.70



D-25 Handy™ Hand Snake

With downhead and flexicore cable unit.
Big knob for better grip,
or can be attached to a ⅜" or ½"drill.

SIZE	STOCK NO	EACH
¼" x 25'	GWD252	341.71



MR-B Mini-Rooter™

Light weight with a long reach.
Complete and ready to use.
Includes:

- Drum
- Cable
- 10' Power cord
- Ground fault interrupter
- Water-proof air foot switch
- Leather gloves
- ⅓ hp Motor with reverse switch
- Cutter set (arrow head, 1½" U cutter, 2"side cutter blade, and boring gimlet)

CABLE SIZE	STOCK NO	EACH
⅜"x75'Cable	GWMRB	1599.70



SV Super-Vee™

Complete and ready to operate.
includes:

- Case
- Side-action chuck
- Variable speed motor with reversing switch
- Plastic cartridge
- 2 Cables (¼" x 25' and ⅜" x 35')
- Cutter set (arrow head, flexible arrow head, 1¼"side cutter blade, boring gimlet, and down head boring gimlet)

STOCK NO	EACH
GWSVBWC	976.75



Telescoping Urinal Auger

STOCK NO	EACH
GWTU4	77.87



Float Model Flood-Guard™

SIZE	STOCK NO	EACH
2"	GW2F	29.81
3"	GW3F	26.95
4"	GW4F	32.08

Flexicore Cables



For electric machines
With male and female connectors

SIZE	STOCK NO	EACH
⅜ x 50'	GW50EM2	210.02
⅜ x 75'	GW75EM2	293.18

Flexicore Cables



For electric machines
With Female connector

SIZE	STOCK NO	EACH
⅜ x 35'	GW35HE2	161.78

Flexicore Cable



For electric machines
With EL basin plug head

SIZE	STOCK NO	EACH
¼ x 25'	GW25HE1	74.24

Flexicore Cable



For electric machines.
With Down Head

SIZE	STOCK NO	EACH
¼ x 25'	GW25HE1DH	92.38

U Cutter



For electric machines
For ½" and ⅜ " cables

SIZE	STOCK NO	EACH
1½"	GW112UC	26.84

Arrow Head Cutter



For electric machines
For 5/16", ⅜", ½" cable

STOCK NO	EACH
GWAH	11.26

Boring Gimlet



For electric machines
For 5/16" and ⅜" cable

STOCK NO	EACH
GWBG	15.20

Down Head Boring Gimlet



For electric machines
For 5/16" and ⅜" cable

STOCK NO	EACH
GWDHBG	21.09

Side Cutter Blades



Two piece set
For electric machines
For ⅝", ¾", ½" cable

SIZE	STOCK NO	EACH
2"	GW2SCB	14.89
3"	GW3SCB	18.52
4"	GW4SCB	18.52



Flexicore™ Closet Augers

Double layer of tempered spring steel coiled tightly over 42-strand wire rope center. Flexible down head follows bowl contours, springs through sharply angled passages while protecting inner walls from chipping or breaking.
Die cast handle. Vinyl bowl guard.

SIZE	STOCK NO	EACH
3'	GW3FLDH	88.45
6'	GWIT6FL	125.27



Six Foot Teletube™ Closet Auger

Double spring construction; has 3 feet telescoped into the guide until you need to release it by pressing a button. 1⅛" outer tube even tougher than 3FL model. Down head.
Vinyl bowl guard and vinyl grip handle.

SIZE	STOCK NO	EACH
6'	GWT6FLDH	133.06

Drain Flushers™ (Flush Bags)



Attach to garden hose
and slide drain flusher into drain.
Water expands to size of pipe
and pushes stoppage down the line.
Backflow preventer on inlet side.
Tough reinforced nylon (more durable than rubber).

SIZE	STOCK NO	EACH
1½"	GW15DF	73.25
2½"	GW25DF	86.33
3"	GW3DF	128.06
4"	GW4DF	139.02

Snake-Oil™



Special rust inhibitor cuts
through moisture, replaces it with
rust-resistant coating, and gives
equipment fresh, clean smell.
Recommended for use with all types of cable.

SIZE	STOCK NO	EACH
Quart	GWSOQ	30.16

AutoCut Copper Tubing Cutter



The AutoCut has long lasting
hardened steel cutting wheels
that are easy to replace when
the time comes.
NOT for Use with Soft Copper

SIZE	STOCK NO	EACH
½"	ATC12	32.89
¾"	ATC34	35.91
Replacement Wheel		
For AutoCut	ATCW	11.87

Hot Shot 400™



Safely thaws frozen pipes in minutes.
Can clear up to 175 ft. of ½" to 1½" pipe.
Dual output current: 320 amps with 14 amp draw,
and 400 amps with 20 amp draw. 31 lbs.

SIZE	STOCK NO	EACH
400 AMP	GWHS400	2506.90

Torch Kits & Accessories (40)

victortechnologies.com/turbotorch



Swivel Hand Torch

STK-9

STOCK NO	EACH
TSTK9	181.52



Swivel Hand Torch

STK-99

STOCK NO	EACH
TSTK99	222.44



Self-Igniting Hand Torch

X-503

STOCK NO	EACH
TX503	225.96

Replacement Tip

T503	104.60

X-503 SPECIFICATIONS

Copper Tubing		
Use with Propane	Soft Solder 1/8 - 2"	Brazing 1/8 - 3/4"
MPP	Soft Solder 1/8 - 3"	Brazing 1/16 - 1"



Self-Igniting Hand Torch

X-504

STOCK NO	EACH
TX504	250.68

Replacement Tip

T504	136.01

X-504 SPECIFICATIONS

Copper Tubing		
Use with Propane	Soft Solder 3/4 - 3"	Brazing 1/4 - 1"
MPP	Soft Solder 3/4 - 4"	Brazing 1/4 - 1 3/4"



PL-5A Self-Igniting Acetylene Gas Torch

STOCK NO	EACH
TPL5A	263.63



Mobile Torch Kit

1/2" SI Swivel Flame Tip.

STOCK NO	EACH
TPLDLXPT	603.29



Propane Tank

14.1 oz. Disposable Tank

STOCK NO	EACH
PROTANK	24.48



MAPP-PRO Gas Tank

14.1 oz. Disposable Tank

STOCK NO	EACH
MAPPTANK	32.06



Acetylene Tank & Exchange

DESCRIPTION	STOCK NO	EACH
Acetylene Cylinder		
"B" 40CF	BTANK	441.02
"MC" 10CF	MCTANK	312.70
Exchange		
(Customer purchases full tank above and will be credited the following upon return of the empty tank):		
"B" tank less gas	BTR	319.41
"MC" tank less gas	MCR	187.11



Air Propane MAPP Kit

LP-2

- Piston Regulatot
- GAUGEGUARD
- 12.5' Hose
- TT3 3/8" & LP5 3/4" Swirl Flame Tips

STOCK NO	EACH
TLP2	787.09



Air Acetylene Kit

X-6MC

- AR-MC Regulator
- G-4 Handle
- A-3 & A-8 Tip
- MC Tank Connection
- A-12 Hose
- Soft Solders to 2"
- Silver brazes to 1"

STOCK NO	EACH
TX6MC	763.79

Torch Kits & Accessories (40)

victortechnologies.com/turbotorch

Air Acetylene Kit



X-5MC

- AR-MC Regulator
- G-4 Handle
- Soft Solders to 1½"
- Silver brazes to ¾"
- MC Tank Connection
- AH-12 Hose
- A-5 Tip

STOCK NO	EACH
TX5MC	674.31

Air Acetylene Torch Kit



X-4B

- AR-B Regulator
- G-4 Handle
- Soft Solders to 3½"
- Silver brazes to 2"
- B Tank Connection
- AH-12 Hose
- A-5 & A-14 Tip

DESCRIPTION	STOCK NO	EACH
A5 - 1/4 AIR	TX4B	790.97

Air Acetylene Torch Kit



X-3B

- AR-B Regulator
- G-4 Handle
- Soft Solders to 3"
- Silver brazes to 2⅝"
- B Tank Connection
- AH-12 Hose
- A-3 & A-11 Tip

DESCRIPTION	STOCK NO	EACH
A3 - 3/16 AIR	TX3B	761.67

Swirl Flame Tips



Propane/MAPP Swirl Flame tip.

SIZE OF FLAME	STOCK NO	EACH
T3		
⅜"	TT3	198.06
T4		
½"	TT4	237.90

Handle with Adjustable Valve

AH4 Torch Handle

Comfortable grip with on/off valve and quick connect. "A" Size fittings ⅜".

STOCK NO	EACH
TAH4	204.34

Torch Handle



With Valve • For Acetylene

STOCK NO	EACH
TG4	190.39

Acetylene Hose



AH12 Hose

Metal strain relief keeps hose from kinking at fittings. "A" Size fittings ⅜".

SIZE	STOCK NO	EACH
12.5'	TAH12	121.58

"MC" Regulator

STOCK NO	EACH
TARMC	291.91

"B" Regulator



STOCK NO	EACH
TARB	244.80

"B" to "MC" Adapter

STOCK NO	EACH
TMCT	146.93



Acetylene Tips

Swirl Flame Tip.

SIZE	STOCK NO	EACH
A-3		
3/16"	TA3	156.83
A-5		
¼"	TA5	184.11
A-8		
5/16"	TA8	205.04
A-11		
7/16"	TA11	213.41
A-14		
½"	TA14	264.18
A-32		
⅝"	TA32	378.49

Striker



MODEL	STOCK NO	EACH
Single flint, cup type, round file. Striker.		
L-1	TTL1	10.46
Box of five flints		
F-1	TTF1	8.37

UEI Instruments (40)

Test & Measurement Instruments.

ueitest.com

Wireless TRMS Power Clamp Meter with 3-Phase Rotation Tests



The DL599 is an award-winning wireless True-RMS HVAC/R clamp meter with preventative motor testing. Offering full HVAC functionality including advanced features like Power Factor, DC Amps, LRA Inrush, differential temperature and wireless connection to a free App for logging, graphing and emailing results.

Features:
- True RMS • Detachable clamp head
- 1000V AC/1000V DC
- 600A AC/600A DC
- 2000µA DC Micro Current
- 9999µF Capacitance
- -328° to 2462°F Temperature
- Dual display with Backlight & Worklight
- Two year warranty

STOCK NO	EACH
DL599	443.60

Seitron Americas

seitron.com/en_us/

Novo Combustion Analyzer



Robust, reliable, precise.
The Novo inherits the tradition of the Seitron analyzers and joins it with renewed software and hardware in order to offer a device easier to use.

Features:
- NEW - Pro Analysis Mode
- 7'' touch display for easy menu navigation
- Dedicated probe with one simple connection
- Integrated water trap with LED backlight
- Simultaneous measurement of gas and combustion results
- New dual range sensor technology

STOCK NO	EACH
NOVO1P	3037.93

6-Line Display Combustion Analyzer Kit



Includes:
- Combustion Analyzer
- 12" Flue Probe w/ 10' Hose
- Inlet tube/Probe connector
- Particle Filter (spare)
- AC Adapter
- K-type Temperature Probes (2)
- Owners Manual
- Hard Carrying Case
- Infrared Thermal Printer
- Paper Roll (spare)

NO Oxygen Sensor to Replace
This lowers cost-of-ownership with one less sensor to maintain. Over the lifespan of an analyzer this saves hundreds of dollars.

STOCK NO	EACH
C165KIT	2489.31

Residential Combustion Analyzer



Includes:
- Combustion Analyzer (C161)
- Quick Reference Guide
- Flue probe with cone and 6 foot hose (CP2)
- USB Cable
- 3 AA Rechargeable Batteries

Functions:
- Measures: CO, CO2, Flue and Ambient Temperature
- Calculates: O2, Efficiency (Net or Gross), Excess Air, CO/CO2 Ratio and Differential Temperature
- 1-Year limited warranty

STOCK NO	EACH
C161	912.21

Smart Refrigerant Complete Kit



Includes:
- Pressure probes 2 (WPP1)
- Pipe clamp probes 1 (WPC1)
- Connector cables (2)
- Carrying case
- Batteries 2 (AA) and 2 (AAA)

Features:
- In App temperature split, psychrometric, & system refrigerant charging calculations
- Pass through refrigerant ports
- 180° rotation
- Slimmest ¼" hygrometer probe
- Narrow pipe clamp jaw
- Requires FREE App "UEi HUB" (iOS/Android)

STOCK NO	EACH
HUB6	978.35

Micron Gauge



Measures in microns, pascals, Millibar, mmHg, mTorr.
Range 0 to 15,000 microns
Maximum over pressure 700 psi

Includes:
- 45° degree coupler
- 1 Battery (CR123A)

Features:
- Instant warm-up/response time
- Oil contamination detection
- Sensor fail detection
- 1-Year limited warranty

STOCK NO	EACH
DMG150	304.18

Smart Wireless High Capacity Refrigeration Scale



Measure refrigerant weights in english/Metric units and charge HVAC/ refrigeration systems

Includes:
Rechargeable batteries & charger cable with carrying pouch

Features:
- Capacity 330 lbs.
- Optional display on mobile device with free iOS® or Android™ App
- Hoist clip access
- 1-Year limited warranty

STOCK NO	EACH
WRSX	578.26

Refrigerant Leak Detector



Detects Industry Standard Refrigerants

STOCK NO	EACH
RLD15	531.29

UEI Instruments (40)

Test & Measurement Instruments.

ueitest.com

Electronic Manometer



Dual Input • Differential Pressure
1 Year Limited Warranty

STOCK NO	EACH
EM152	207.90



Dual Input • Hi-Res
1 Year Limited Warranty

STOCK NO	EACH
EM720	270.28



Dual Input • Hi-Res Kit
Includes:
EM720 Manometer
Stepped T Fitting (2)
Static Pressure Probe (2)
Pressure Tubing w/ Brass Fitting (2)
Step connector w/ 3.15" tubing (2)
60" Pressure Tube
3 (AA) Batteries
Soft Case

STOCK NO	EACH
EM720SPKIT	346.55

Carbon Monoxide Detectors



Detect CO to 1 ppm
Reads up to 999 ppm CO
3-color warning light & Audible alert

STOCK NO	EACH
CO71A	322.97

Digital Psychrometer



Measures: Temperature
Relative Humidity
Calculates: Wet Bulb, Dew Point,
Enthalpy, Min / Max, & Data Hold

STOCK NO	EACH
DTH35	158.61

In-Duct Anemometer Psychrometer



Measures: Air velocity, temperature, RH%
Calculates: Air volume, wet bulb, dew point

STOCK NO	EACH
DAFM4	627.37

Digital Infrared Thermometer



Features:
- 12:1 Distance to Spot Ratio
- Advance Temperature Range (–36.4° to 689°F)
- Laser Targeting
- Three year limited warranty

STOCK NO	EACH
INF165C	94.49

Digital Pocket Thermometers



STOCK NO	EACH
Temp range -58°-572°F	
550B	40.37
Folding • Temp range -58°-572°F	
PDT650	40.20

Dial Pocket Thermometer



Temp range 0-220°F

STOCK NO	EACH
T220	15.18

Apollo II Thermometer



Dual Input • Temp range:
-346°-2192°F (J) / -328°-2498°F (K)

STOCK NO	EACH
DT302	270.70

Accessories

Test Lead Kit



1 Year Limited Warranty

STOCK NO	EACH
ATL301KIT	83.12

Test Leads



For Use with DL429 & DL389B.

TYPE	STOCK NO	EACH
Standard	ATL55	26.14
Back Probe Kit	ATLBPK	53.80

K-Type Temperature Probes



Used with C155, DL389B, & Infrared thermometers

TYPE	STOCK NO	EACH
Fiberglass Coated	ATT29	45.06
Fluoroplastic Coated	ATT29A	43.61

Pipe Clamp Probe



Used with DL389B, DL599 & C161

STOCK NO	EACH
ATTPC4	80.00

AF10 Fuse



.6 Amp • .5 OHM • 3-Pack
Used with M110A

STOCK NO	EACH
AF10	19.34

AF39 Fuse



11 Amp • 100v
Used with DM393

STOCK NO	EACH
AF39	26.14

AF38 Fuse



440 Millamperes • 1000v
Used with DM393

STOCK NO	EACH
AF38	26.14

Thermal Paper



Replacement for C155KIT/C85KIT Combustion Analyzer

STOCK NO	EACH
16646	17.96

Partical Filter



Replacement for C155KIT/C85KIT Combustion Analyzer

STOCK NO	EACH
17631	13.97

Flue Probe



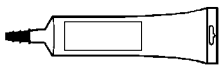
Replacement for C155KIT/C85KIT Combustion Analyzer

STOCK NO	EACH
KMCP2	307.03

General Purpose Sealants (18)

ipscorp.com

Black Swan Silicone Sealant



A 100% silcone chaulk. For indoor or outdoor use. Remains permanently flexible. Can be used between temperatures of -60°F to 450°F.

COLOR	STOCK NO	EACH
White 3 oz.	3OZWHTUCA	9.03
Clear 3 oz.	3OZCLTUCA	9.03

DAP® Silicone Rubber General Purpose Sealant



Permanently flexible, 100% silicone rubber sealant. Forms a waterproof, seal that resists temperature extremes. Won't crack, crumble or dry out. Hundreds of interior/exterior sealing uses. Temperature service range -60° to 450° F.

COLOR & SIZE	STOCK NO	EACH
Clear 10 oz.	10OZCLSI	16.86
White 9.8 oz.	10OZWHSI	16.51
Aluminum 9.8 oz.	10OZALUSI	20.33

DAP® Acrylic Latex Caulk with Silicone



This superior quality caulk forms flexible, weatherproof seals that last 25 years or more. Applies easily. Cleans up with water. Paintable. Excellent adhesion to wood, metal, masonry and dissimilar/similar materials.

COLOR & SIZE	STOCK NO	EACH
Clear 10 oz.	10OZCLACSI	8.12

DAP® Kwik-Seal Tub & Tile Caulk



All purpose tub and tile caulk that forms a neat, watertight seal around tubs, sinks, shower stalls and much more. Resets loose tile. Stays flexible. Resists mildew and yellowing.

COLOR & SIZE	STOCK NO	EACH
White 6 oz.	6OZWHKWSE	7.24
Almond 6 oz.	6OZALKWSE	6.49
Clear 6 oz.	6OZCLKWSE	7.52

Liquid Nails® Silicone Premium Universal Sealant



A high performance sealant for outstanding water resistance and flexibility. Won't shrink or crack. Withstands harsh temperatures.

COLOR & SIZE	STOCK NO	EACH
Clear 10 oz.	10OZLNCLSI	9.57

Rubberized Mastic Pipe Coating



From irregular fittings to joints, Roskote A-51 will not break down from fuel oil or gasoline. Easy to spread and resistance to sag by brush, glove or spray application.

STOCK NO	EACH
1GARUMA	175.04

(14b)

BZB-100 Brite Zinc Spray



12 oz. spray

STOCK NO	EACH
BZB100	48.09

Sta Put



A stainless plastic putty which does not shrink. A flexible, stretchable compound for professional use in setting bowls, fixtures, faucets, basin cocks, strainers, plugs, sink frames and other sealing and calking applications requiring a stainless, plastic putty with excellent adhesive qualities. Will not stick to hands.

SIZE	STOCK NO	EACH
14 oz.	14OZSTPU	3.72
5 lb.	5LBSTPU	17.06
7 lb.	7LBSTPU	25.20

Sta Put Ultra



For Porous Surfaces such as marble or granite
Not for use on ABS

SIZE	STOCK NO	EACH
14 oz.	OA25171	10.54

Roof and Flashing Cement



A special bituminous composition with superior adhesion under severest weather conditions. Improved, heavy, paste-like consistency; easily applied with trowel or putty knife. Adheres to wet or moist surfaces; can be applied in rain. Forms durable, flexible weather-proof coating around flashings, cooling towers, skylights. Adheres to concrete, metal, tile, roofing and masonry. Excellent for patching, repairs and general water proofing. Meets or exceeds Federal Specifications.

SIZE	STOCK NO	EACH
10 Lb.	10LBGAROCE	37.80
10.3 oz	10OZCAROSE	14.45

Pro-Poxy 20



Fast acting, single stick, steel-reinforced epoxy putty. Makes steel-hard repairs in 20 minutes. seals, mends, bonds, repairs almost anything—even under water. Two-part epoxy compound mixes quickly and easily and adheres to metals, masonry, wood, glass, ceramics and most plastics. Withstands temperatures to 300° F. Compression strength 18,000 psi, tensile strength 6,000 psi. Electrically non-conductive. When cured, may be drilled, sanded, filed and painted.

SIZE	STOCK NO	EACH
4oz.	4OZPRPO	18.20

Pipetite-Stik



Thread compound in handy stick form. For water, steam, air, natural gas and LP gas. Use on metal threads. Non-toxic, lead-free.

SIZE	STOCK NO	EACH
Regular.	PITIST	2.85
Jumbo	JUPITIST	9.32

DAP® KWIK SEAL PLUS®



Premium Kitchen & Bath Adhesive Caulk w/MICROBAN®
Premium adhesive caulk with MICROBAN® Antimicrobial Product Protection fights the growth of stain and odor-causing bacteria, mold and mildew on the caulk. Specially formulated siliconized latex provides maximum adhesion and flexibility for a watertight seal. Paintable. Easy water clean-up. Low odor. Backed by a Crack-Proof Guarantee.

COLOR & SIZE	STOCK NO	EACH
White, 5.5oz.	6OZWHMBKWSE	10.09
Biscuit, 5.5oz.	6OZBSMBKWSE	10.09

DAP® High Temp Silicone



High-performance sealant designed especially for extreme high temperature application

- Seals All Extreme Temperature Applications
- Remains Flexible up to 550°F (INTERMITTENT)
- Will Not Crack or Shrink
- Weather Resistant
- Exterior/Interior

COLOR & SIZE	STOCK NO	EACH
Red, 10.3 oz.	10OZHTREDSI	21.75

DAP® HVAC Silicone



High-performance sealant designed especially for HVAC applications

- Seals All Extreme Temperature Applications
- Long Lasting Durability
- Remains Flexible up to 475°F
- Will Not Crack or Shrink
- Weather Resistant
- Exterior/Interior

COLOR & SIZE	STOCK NO	EACH
Clear, 10.3 oz.	10OZHVACSI	19.83

(27)

Shurtape® Corrosion Protection Pipe Wrap Tape



- General purpose grade PVC pipe wrap tape
- Resists corrosion, moisture, bacteria, fungus and abrasion
- UV-resistant & Lead free
- Excellent moisture resistance & conformability

No. PW 100

SIZE	STOCK NO	EACH
2"x100'	2PIWRTA	11.99

(40)

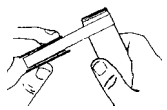
Cork Insulation Tape



- Supplied on easy to use rolls.
- Adheres firmly to all metals.
- Can be used on hot or cold pipes.
- Won't dry or crack.
- Stops condensation and drips.

STOCK NO	EACH
BR1006.	27.74

"Teflon" Pipe Thread Sealant Tape



SIZE	STOCK NO	EACH
½ x 520"	12TETA	1.84
¾ x 520"	34TETA	4.26

Fire Sealing Systems

rectorseal.com

(40)

Touch 'N Seal Instant Sealant



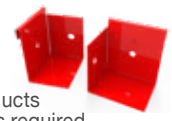
Energy saving expanding sealant. Polyurethane foam designed to fill holes, cracks and voids, deaden sound and prevent passage of dirt and water.

STOCK NO	EACH
TOSE	27.67

STI Firestop Systems

stifirestop.com

FyreFlange HVAC Firestop Corner Clips



- Tested for bare or insulated ducts
- No caulk or packing materials required

Must order STIFFC22 in bag quantities of 8

DESCRIPTION	STOCK NO	EACH
1 Corner Clip	STIFFC22	73.25
150' Gasket Roll	STIFFG100	1095.79

SSP Putty Pads



- SSP Firestop Putty excels at sealing cabling penetrations and outlet boxes
- Remains pliable and workable over time

SIZE	STOCK NO	EACH
7¼" x 7¼" x 3/16"	STISSP4S	9.14

LCI Intumescent Firestop Sealant



- Tested for use in through-penetration and construction joint configurations
- Compatible with CPVC Piping
- Can be sanded and painted

SIZE	STOCK NO	EACH
10.1 oz. Tube	STILCI300	13.76
20 oz. Sausage	STILCI320	21.56

SSS Intumescent Firestop Sealant



- Works into tight spaces between penetrants
- Compatible with CPVC Piping
- Can be sanded and painted

SIZE	STOCK NO	EACH
10.1 oz. Tube	STISSS100	27.76
20 oz. Sausage	STISSS120	47.46

Sausage Size Caulking Gun



STOCK NO	EACH
STISSASCG	151.44

SpecSeal® CID Cast-In Firestop Devices



- No firestopping step required
- Pre-installed fire and smoke sealing
- Added protection against transient water
- Adapts to a wide variety of conditions
- Pipes can be installed from top or bottom

SIZE	STOCK NO	EACH
2"x10"	STICD201	19.48
3"x10"	STICD301	28.43
4"x10"	STICD401	33.03

LCC Intumescent Firestop Collars



- For Trade Size Combustible Pipes
- Installs quickly and eliminates waste

SIZE	STOCK NO	EACH
1½"	STILCC150	13.35
2"	STILCC200	16.18
3"	STILCC300	21.32
4"	STILCC400	33.16
3"-4" adjustable	STIRTC350	67.80
6"	STISSC600	112.38

SSW Intumescent Wrap Strips



- Red for Plastic piping up to 6"
- Blue for Plastic piping up to 12"

COLOR & SIZE	STOCK NO	EACH
Red 1½"x12'	STISSWRED2	81.28
Blue 2"x12'	STISSWBLU2	121.95
Metal Restraining Collar for Blue Strips		
25'	STISWRC	142.54

Closet Flange Firestop Gasket



Remove perforated sections and slip onto flange.

SIZE	STOCK NO	EACH
3" or 4"	STICF34	48.96

Millrose

bluemonsterproducts.com



(40)

Blue Monster

Thread sealing compounds.

SIZE	STOCK NO	EACH
WITH PTFE		
1/4 pt.	MI76001	14.96
1/2 pt	MI76003	23.33
WITH-OUT PTFE		
1/4 pt.	MI76009	13.54
1/2 pt	MI76011	21.35



(40)

Blue Monster

Nickel Anti-Seize Lubricant

SIZE	STOCK NO	EACH
1/2 Pint	MI76020	41.73
1 Pint	MI76022	84.61



(40)

Blue Monster

PTFE Thread Sealing Tape

SIZE	STOCK NO	EACH
1/2" x 1429"	MI70885	7.00
3/4" x 1429"	MI70886	9.53



(40)

Mill-Rose Clean-Fit

Stainless Steel Thread Sealing Tape

SIZE	STOCK NO	EACH
1/2" x 260'	MI70891	14.12
3/4" x 260'	MI70892	21.19



Blue Monster

Compression Seal Tape

Stops problem leaks under pressure without turning off the water source.

SIZE	STOCK NO	EACH
1" x 12'	MI76085	57.71



Rectorseal No 5

Slow-drying compound for carrying numerous types of liquids and gases in a wide range of industries. It is especially applicable for threaded PVC, steel, iron, copper, and fiberglass reinforced pipe.

SIZE	STOCK NO	EACH
4 oz.	14PT5RESE	18.47
8 oz.	12PT5RESE	27.43
Pint	PT5RESE	43.19



Rectorseal No 5 Sub-Zero

It is a variation of the basic Rector-Seal No. 5 formulation for those applications where a low odor sealant with low temperature application is a particular requirement. Formulated to seal threaded pipe connections against leakage due to internal pressure.

SIZE	STOCK NO	EACH
Pint	PTSUZERESE	49.28



Rectorseal No 2 with Teflon Plus

Fast-dry soft-set pipe thread sealant. It is a dispersion of inert filler in an oleoresinous base, diluted with organic solvents to facilitate application to threaded pipe connections, and is formulated to seal those connections against leakage due to internal pressure. Also used on gasketed flanged connections to hold the gasket and for added sealing.

SIZE	STOCK NO	EACH
1/2 pint	12PTTP2RESE	28.92
Pint	PTTP2RESE	45.87



Rectorseal Food Grade

Food Grade Anti-Seize is for use where minor food contact is possible. Aluminum-complex-based anti-seize is entirely made of ingredients meeting FDA requirements. Protects metal parts from seizure, galling, rust, corrosion & heat freeze. Conforms to FDA regulations CFR-21-178, 3570.

SIZE	STOCK NO	EACH
1lb.	RE73931	44.50



Oxy-Tite

For OXYGEN Service

Pipe Thread Sealant with PTFE

SIZE	STOCK NO	EACH
4 oz.	4OZOXTI	300.54



White Seal

Pipe Joint Compound with Teflon®

For sealing and lubricating all metal plastic threaded piping systems carrying acids, air, gases, ammonia, brine, caustic alkalis, corrosives, freons, fuel, oils, solvents, sugar, steam and water. Not for fluorine, molten metals or oxygen systems.

SIZE	STOCK NO	EACH
1/2 pint	12PTWHSE	27.24
Quart	QTWHSE	75.67



Megaloc™ Blue Thread Sealant

Use on steel, galvanized steel, iron, brass, copper, stainless steel, aluminum, ABS, PVC, CPVC to carry a wide variety of gases and liquids. Not recommended for use on concentrated acids and alkalis, ketones or oxygen. Non hazardous and non-flammable.

SIZE	STOCK NO	EACH
1/2 pint.	12PTMELO	26.31
Pint.	PTMELO	42.53



Grrip Lite

LEAD-FREE

All-purpose, leakproof, non-hardening pipe joint and gasket seal. -90° to +410°F, 12,000 psi (hydraulic), 2600 psi (gas)

SIZE	STOCK NO	EACH
Pint	PTGRLI	35.89



Slic-Tite Paste

With PTFE. Heavy-duty thread sealing compound. Non-toxic, non-drying, anti-seize.

SIZE	STOCK NO	EACH
1/2 pt.	12PTSLTI	30.58
Pint	PTSLTI	53.49



"X-PANDO" Pipe Joint Compound

For filling sand holes, anchoring bolts, machinery, etc. Withstands deflection, high temperature, vibration. It expands and contracts with pipe movement. Will withstand any pressure ordinary pipes will. Can be used in below freezing temperatures.

SIZE	STOCK NO	EACH
1 lb.	LBXPAPIJOCO	24.11

Boiler and Furnace Chemicals (18)

blackswanmfg.com

Furnace Cement



High-Temperature compound. Ready-to-use for setting up furnaces, ranges, stoves. Makes joints acid-proof, gas-proof, smoke-proof, fireproof. Will not crumble when dry.

SIZE	STOCK NO	EACH
1/2 Pint	12PTFUCE	4.98
1/2 Gallon	12GAFUCE	31.11

Liquid Boiler Seal



- Companion to Powder Boiler Seal to be used whenever a liquid seal is required.
- Will not clog system.
- Recommended for all new installations.

SIZE	STOCK NO	EACH
Quart	QTBOSE	12.88

Liquid Boiler Cleaner



A powerful liquid designed to clean hot water systems. Removes scale, rust, grease, dirt and oil.

SIZE	STOCK NO	EACH
1 Gallon	BS06012	41.40
5 Gallon	BS06013	181.96

fernox.us

(24)

Filter Fluid+ Protector



An innovative inhibitor and dispersant package that detects and delivers sludge and debris to any system filter.

- Protects the system against corrosion and scale formation
- Increases the effectiveness of any filter
- Maximises the ongoing cleaning process by delivering any remaining system debris to a filter

SIZE	STOCK NO	EACH
10oz	F62712	61.32
5 Gallon	F62225	507.99

(40)

Safe Liquid Boiler Stop Leak



Effective in all systems, but is specially formulated for systems with submerged coils & sensitive control devices.

SIZE	STOCK NO	EACH
Quart	QTBOSTLE	22.48

Flip Stick Soot Destroyer Toss-in pack



- For clean, easy, effective soot removal.
- No mixing, measuring, spraying.
- No package to open.
- Flip the stick into the hot chamber or firebox.
- Flip-Stick removes costly fuel consuming deposits of soot and carbon.
- For oil, gas, coal, coke, and wood heating units.
- Non-explosive.

SIZE	STOCK NO	EACH
4 oz.	4OZSODE	7.01

(40)

Squick



Guaranteed to stop steam boiler surge instantly. Squick floats on the surface of the boiler water absorbing impurities, and at the same time releasing an effective oxygen scavenger, protecting the boiler from corrosion.

1 - 5oz. can per 100MBH

SIZE	STOCK NO	EACH
5 oz.	5OZSQCL	22.48

Rust-Raider



Protects entire system. Rust-Raider turns boiler water blue. If water changes to any other color, add Rust-Raider until water is blue and SAFE again.

SIZE	STOCK NO	EACH
Quart	QTRURA	12.85

(40)

Axiom Cleaners



DESCRIPTION	STOCK NO	PRICE
2-Part, Aluminum Boiler Cumbustion Side Cleaner	AXCF9AL	188.47
Cumbustion Side Cleaner for Condensing Heat Exchangers	AXF9FSTEEL	102.74

(40)

Hydronic Formula #5



- Frees and lubricates zone and radiator valves
- Protects pump parts & removes insulating sludge deposits.
- #5 will prevent further clogging of valves and submerged coils.

SIZE	STOCK NO	EACH
Quart	QTHYFO	22.48

(40)

pH Calibration Fluid



DESCRIPTION	STOCK NO	EACH
pH10	HI7010	51.56

(40)

Inhibitor Boost



For raising pH levels.

No. 18-470

TOCK NO	EACH
ANFRINBO	29.14

(40)

Anti-Freeze Test Strips



For testing pH & anti-freeze levels.

No. 18-460

STOCK NO	EACH
ANFRTEST	26.71

(40)

pH Test Papers



For GB Boiler Series

STOCK NO	EACH
94	16.31

Portable Glycol Refractometer



Fastest and easiest method for ensuring accurate ethylene and propylene glycol levels.

DESCRIPTION	STOCK NO	EACH
2° Resolve	RF40	286.91

Digital pH Tester



DESCRIPTION	STOCK NO	EACH
pH Tester	HI98127	256.92

pH Boost/pH Down



Water treatment compound for raising or lowering pH of water and glycol fluids.

STOCK NO	EACH
PHBOOST	55.55
PHDOWN	109.37

BoilerGard™ 1202



A high performance, non-toxic corrosion and scale control additive for water and glycol/water fluids

STOCK NO	EACH
BOILERGARD1202	84.83

Pro-Tek 922



Corrosion Inhibitor Treatment for Aluminum, Stainless Steel & Multi-Metal Closed Loop Systems. Safe on PEX and Onix tubing. Helps control system pH. Envoronmentally friendly.

SIZE	STOCK NO	EACH
1 Gallon	922	112.22

Hydro-Solv 9100™



Hydronic system cleaner for closed loop heating and cooling systems. Cleans metal, flux, cutting oil, rust and dirt. Removes Scale and corrosion. Biodegradable and envoronmentally friendly

SIZE	STOCK NO	EACH
1 Gallon	9100	89.35

Boiler Chemical Treatment Kit



Formulated to clean and protect residential & small commercial hydronic heating systems.

Kit 83287 Includes:

- Hydro-Solv™ 9100 Cleaner
- PRO-TEK® 922 Inhibitor
- pH Test Strips
- PRO-TEK® Test Strips

STOCK NO	EACH
BCTK	98.22

Skale-X™ Descaling Kit



Safe to Handle, Environmentally Friendly and Biodegradable.

- 2 - 5' Hoses
- 1 - 5 Gallon Pail
- 1 - Instruction Card
- 2 - 32oz Bottles of Skale-X™ Descaler
- 1 - 1/6 HP 1300 GPH Submersible Pump

DESCRIPTION	STOCK NO	EACH
Complete Kit	SKKIT	259.67
Gallon refill	SKALEX	47.39

RhoGard™ *Ultra*



Aluminum and Stainless Steel safe multi-metal antifreeze and heat transfer fluid specially blended with VIRGIN PROPYLENE GLYCOL, industrial corrosion inhibitors and performance additives.

SIZE	STOCK NO	EACH
5 Gal	RHOGARDULTRA	342.53
55 Gal	RHOGARDULTRA55	3486.88

FREEZE AND BURST PROTECTION CHART		
RhoGard™ Ultra	Freeze Point	Burst Protection
70 %	< -60 °F	-100 °F
60 %	-48 °F	-100 °F
50 %	-21 °F	-75 °F
40%	-3 °F	-60 °F
35%	+5 °F	-30 °F
30%	+10 °F	-10 °F
25%	+15 °F	+3 °F
20%	+19 °F	+14 °F

EnviroGard™ *Ultra & Ultra HD*



Non-Toxic Antifreeze • NOT Aluminum Safe (Protects Cast Iron, Copper, Steel and Brass)

Ultra HD:

Ultra Concentrated, can be diluted on-site with distilled or D.I. water

Approved for Ground Source Applications

SIZE	STOCK NO	EACH
5 Gal HD	ENVIROGARDHD	349.26
5 Gal	ENVIROGARDULTRA5	342.00
55 Gal	ENVIROGARDULTRA55	3480.98

Fernox Central Heating



DESCRIPTION	STOCK NO	EACH
Protector F1 Express		
F1 • 400ml	F62673	58.55
Heating Cleaner F3 Express		
F3 • 400ml	F62675	58.56
Leak Sealer F4 Express		
F4 • 400ml	F62676	59.45

(24)

Boiler Express Commissioning Kit



- Maintain the design spec. and energy efficiency
- Restore energy efficiency
- Inhibit the formation of scale and sludge
- Minimize corrosion of system metals
- Express format for easy use

STOCK NO	EACH
F62089	104.09

(18)

Straight Barb Adapter



Poly Hose Fitting works with Fernox Cans

SIZE	STOCK NO	EACH
¾" FHT x ¼" Barb	SC938	5.27

Antifreeze Protector Alphi-11



- Renders water non-corrosive to steel, cast iron, copper, brass and aluminum
- Combined antifreeze and Protector
- Prevents lime scale build-up
- Compatible with all metals and materials commonly used in heating systems
- Maintains efficiency so extending system life
- Non-toxic, environmentally friendly

SIZE	STOCK NO	EACH
5 Gallon	F155738005	279.54
55 Gallon	F155738055	2938.80

DS40 Descaler and System Cleaner



- Removes limescale, sludge and other deposits
- Multi-purpose descaler and cleaner
- Restores circulation and improves heating efficiency where scale build-up is present
- Free-flowing powder with red color indicator
- Neutralizer packets included in each box

SIZE	STOCK NO	EACH
4.19lbs	F61102	97.58

Drain and Septic System Chemicals (18)

blackswanmfg.com thriftmarketing.com oatey.com

Zap Drain Pipe Opener



A powerful sulfuric acid. This product is ideal for dissolving organic matter, melting heavy grease deposits, and opening clogged drains.
RECOMMENDED FOR EXPERIENCED MAINTENANCE PERSONNEL

SIZE	STOCK NO	EACH
Quart	BS9020	10.13

Nyco "Calci-Solve"



Eats out rust and mineral deposits. Forms a protective coating on pipes, drains, and equipment while acid action does the work. Quickly dissolves the heaviest rust and mineral scale deposits in cooling towers, air conditioning, heating and all types of heat exchange equipment.

SIZE	STOCK NO	EACH
Quart	NC413424	25.84

(24)
Liquid Drain



1 quart commercial strength, non-acid, and non-flammable drain opener. Liquid Drain's penetrating surfactant foaming action lifts and pushes contaminants off to rapidly clear drain, sewer, or waste lines in 15-30 minutes.

STOCK NO	EACH
RE80391	24.06

Thrift Cleaner



- Non-acid formla, hot water activated.
- For use on small drains, grease traps, septic systems,root control.
- Will not harm fine fixtures, chrome trim, plastic or metal pipes.

SIZE	STOCK NO	EACH
1lb.	1LBTHDRCL	12.14
2lb.	2LBTHDRCL	22.95
6lb	6LBTHDRCL	67.43

Super Pro



Liquid Thrift Drain Cleaner

SIZE	STOCK NO	EACH
Quart	QTTHDCL	21.79

Bio-Clean



SIZE	STOCK NO	EACH
2lb.	BIOCLEAN	23.93

statewidesupply.com

Bowl & Porelain Cleaner



Less Swab

SIZE	STOCK NO	EACH
Quart	BS3105	6.21

Sizzle Bowl Cleaner



Effectively removes lime, rust, scale, concrete, hard mineral deposits, insoluble salts from water systems, waste lines, humidifiers, heating, processing, air conditioning equipment.

SIZE	STOCK NO	EACH
Quart	QTSIBOCL	27.16

Glug



Crystal Drain Opener
Non-acid crystals.
NOT for use in toilets.

SIZE	STOCK NO	EACH
1 lb	1LBGLUG	14.76
20 oz.	20OZGLUG	19.86
6 lb	6LBGLUG	78.00

Clenit™ Pump & Pit Cleaner



- Removes iron ochre, the red slime buildup, from your sump system and pit
- Helps to keep your pump and pit healthy
- Great solution for periodic pit maintenance

SIZE	STOCK NO	EACH
7 lb of Clenit Powder	GCL7	84.96