

Webstone®

a brand of **NIBCO®**

PRODUCT CATALOG



**PRO-CONNECT
PRESS**

**PRO-CONNECT
PPR PRO**

**PRO-CONNECT
PRO PUSH**

HYDRO-CORE™

The ISOLATOR
UNI-FLANGE BALL VALVE®

**PRO-PAL
SERIES**

**The ISOLATOR
E·X·P**
TWH SERVICE VALVES

**THERMOSTATIC
MIXING VALVES**

**AIR
SEPARATOR**

BALL VALVES

**VALVE INNOVATION
GUARANTEED FOR LIFE**

THE WEB WARRANTY • PRODUCTS BUILT TO LAST A LIFETIME

Webstone, a brand of NIBCO warrants all of its products to be free from manufacturer defects in material and/or workmanship for the life of the product, provided they are professionally installed and operated under normal conditions. Webstone will replace, FREE OF CHARGE, any product or part thereof that proves defective in material and/or workmanship under normal installation, use, and service.

FOR FULL DETAILS CONTACT WEBSTONE, A BRAND OF NIBCO (800) 225-9529

WEB TRACK SYSTEM

SAME DAY SHIPPING AND MORE

All orders placed with Webstone are now processed by our automated Web Track System. Upon receipt of your order, the Web Track System processes it for shipment THE SAME DAY (if received by 1:00 PM EST). Upon shipment, Web Track information is transmitted to you via your preference of fax or email. It serves as your invoice and shipping confirmation. This confirmation invoice includes the carrier name, pro or tracking number, quantities shipped, quantities backordered (if any), and your costs. That means:

**NO MORE LONG LEAD TIMES
FOR ORDER SHIPMENT**

**NO MORE CALLING TO CHECK
ON YOUR ORDER STATUS**

**NO MORE WONDERING IF IT
WILL SHIP COMPLETE OR PARTIAL**

And it doesn't stop there, through our website
WWW.WEBSTONEVALVES.COM
you can do MUCH MORE!

PLACE NEW ORDERS

FIND PART NUMBERS

PRINT SPECIFICATION/SUBMITTAL SHEETS

TRACK YOUR SHIPMENT

UPDATE ACCOUNT INFORMATION

PRINT INVOICES

DOWNLOAD CURRENT BROCHURES & CATALOGS

**AND CONTACT US FOR ANY SPECIAL
ASSISTANCE YOU MAY NEED!**

TERMS OF SERVICE

TERMS OF PAYMENT

2% 10th of the following month. Cash discount is calculated on the total amount of the invoice before additions for freight. A 1 1/2% per month service charge will be added to any past due balances.

FREIGHT ALLOWANCE

Prepaid freight on orders of \$1500 net or greater to all contiguous US States & Canada or to the nearest Continental US port for all other locations.

MINIMUM ORDER

Webstone has no minimum order.

CLAIMS OF SHORTAGE OR VARIANCE

Claims of any character must be made within 10 days after receipt of goods. Settlements of any claims are at the discretion of Webstone, a brand of NIBCO

RETURNS

Webstone reserves the right to charge a 30% restocking fee on any returned merchandise. Effective January 1, 2016 overstock returns for products that have been discontinued, redesigned, or purchased prior to the last 18 months will no longer be accepted.

ORDER CONFIRMATIONS

All orders are subject to acceptance by Webstone, a brand of NIBCO. Prices are subject to change without notice.

STANDARD PACKAGING

Typically, shipments are made in case and carton quantities. However, Webstone will ship any quantities ordered.

UPC BARCODING

100% of products will be shipped with barcodes if customer specifies the need.

Third Party Approvals and Standards Organizations



**The Canadian
Standards Association**
www.cga.ca



Universal Plumbing Code Certified
by the **International Association of
Plumbing & Mechanical Officials**
www.iapmo.org



**Unless otherwise designated,
lead-free certification
(NSF/ANSI 61 & NSF/ANSI 372) was
performed by Truesdail Laboratories.**
www.truesdail.com

NSF/ANSI 61 Drinking Water System Components Health Effects – a standard for “chemical contaminants and impurities that are indirectly imparted to drinking water from products, components, and materials used in drinking water systems”.

CleanBrass™ Webstone's choice of raw material that contains less than 0.25% surface lead in the wetted areas and meets the NSF 61-G and NSF 372 standards for Lead in Drinking Water System Components.

Note:

Third Party Approval Agencies often can approve products to a wide variety of standards; some of the standards may be under the responsibility of another agency. For example, IAPMO can issue approvals to NSF/ANSI 61 standard, as can UL, CSA, etc.

Pressure Ratings

WOG: Water, Oil & Gaseous service. Indicates the maximum pressure of the valve body. Pressure of the valve may be limited by temperature or other features.

WSP: Working Steam Pressure. Indicates the maximum steam pressure of a valve body. This rating is independent from the WOG rating. Typically the WSP rating is lower than the WOG rating.

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- Save time, save space, & save labor
- Compatible with popular press tools

EXCLUSIVE WEBSTONE PRODUCTS NOW WITH PRESS CONNECTIONS

PATENTED TECHNOLOGY WITH FURTHER PATENTS PENDING



PRO-CONNECT PRESS THE ISOLATOR W/ ROTATING FLANGE

Full Port Forged Brass Uni-Flange Ball Valve w/ Detachable Rotating Flange, Adjustable Packing Gland, Nuts & Bolts

STANDARD BRASS			
SIZE	ITEM #	CTN/CASE	LIST PRICE
Press × Rotating Flange 250 CWP/250 F Max			
3/4"	H-81403HV	1/20	\$31.37
1"	H-81404HV	1/20	\$37.89
1 1/4"	H-81405HV	1/20	\$47.39
1 1/2"	H-81406HV	1/10	\$61.92
2"	H-81407HV	1/10	\$94.62

W/ MULTI-FUNCTION HI-FLOW HOSE DRAIN

Press × Rotating Flange 250 CWP/250 F Max			
SIZE	ITEM #	CTN/CASE	LIST PRICE
3/4"	H-81413HV	1/20	\$43.79
1"	H-81414HV	1/20	\$53.64
1 1/4"	H-81415HV	1/10	\$67.51
1 1/2"	H-81416HV	1/10	\$92.21
2"	H-81417HV	1/10	\$117.99

FITS STANDARD AND HIGH VELOCITY PUMPS • 2" ISOLATORS HAVE 1 1/2" PORT



PRO-CONNECT PRESS FULL PORT FORGED BRASS BALL VALVE

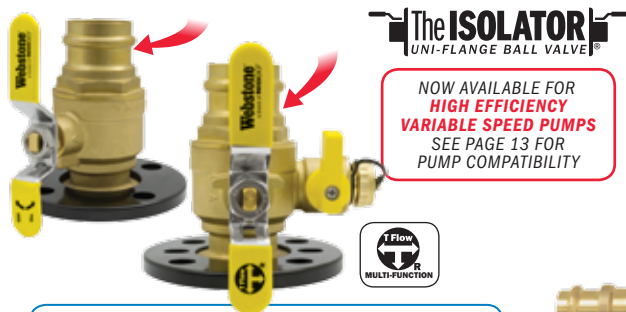
w/ Adjustable Packing Gland

STANDARD BRASS			
Certified to NSF/ANSI 61			
SIZE	ITEM #	CTN/CASE	LIST PRICE
Press			
1/2"	H-81702	5/50	\$20.40
3/4"	H-81703	5/40	\$24.98
1"	H-81704	4/20	\$37.89
1 1/4"	H-81705	5/20	\$61.24
1 1/2"	H-81706	4/16	\$85.38
2"	H-81707	2/8	\$132.51
2 1/2"	-	-	-
3"	-	-	-
4"	-	-	-

LEAD-FREE BRASS

Certified to NSF/ANSI 61-G

ITEM #	CTN/CASE	LIST PRICE
250 CWP/250 F MAX		
H-81702W	5/50	\$21.33
H-81703W	5/40	\$27.56
H-81704W	4/20	\$40.35
H-81705W	5/20	\$67.37
H-81706W	4/16	\$93.33
H-81707W	2/8	\$143.27
H-81708W	1/1	\$273.12
H-81709W	1/1	\$379.88
H-81710W	1/1	\$651.37

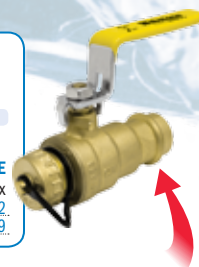


NOW AVAILABLE FOR
HIGH EFFICIENCY
VARIABLE SPEED PUMPS
SEE PAGE 13 FOR
PUMP COMPATIBILITY

PRO-CONNECT PRESS FULL PORT FORGED BRASS BALL VALVE

w/ Cap & Strap, Reversible Handle, & Adjustable Packing Gland

LEAD-FREE BRASS			
Certified to NSF/ANSI 61 & 372			
SIZE	ITEM #	CTN/CASE	LIST PRICE
Press × Hose			250 CWP/250 F Max
1/2" × 3/4"	H-80312W	5/50	\$31.02
3/4"	H-80313W	5/40	\$39.49



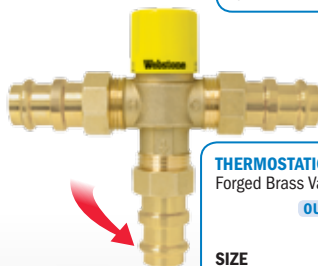
PRO-CONNECT PRESS THE ISOLATOR W/ ROUND FLANGE

Full Port Forged Brass Uni-Flange Ball Valve w/ Detachable Rotating Flange, Adjustable Packing Gland, Nuts & Bolts

STANDARD BRASS			
SIZE	ITEM #	CTN/CASE	LIST PRICE
Press × Rotating Flange 250 CWP/250 F Max			
1 1/2"	H-81406HV-RF375	1/6	\$90.50
2"	H-81407HV-RF400	1/6	\$116.68
2"	H-81407HV-RF475	1/6	\$116.68

W/ MULTI-FUNCTION HI-FLOW HOSE DRAIN

Press × Rotating Flange 250 CWP/250 F Max			
SIZE	ITEM #	CTN/CASE	LIST PRICE
1 1/2"	H-81416HV-RF375	1/6	\$112.09
2"	H-81417HV-RF400	1/6	\$137.87
2"	H-81417HV-RF475	1/6	\$137.87



THERMOSTATIC MIXING VALVE

Forged Brass Valve • See Page 16 for application information • Lead-Free

OUTLET TEMPERATURE RANGE 95-131° F			
Certified to NSF/ANSI 61 & 372, ASSE 1017, & CSA B125.3			
SIZE	ITEM #	CTN/CASE	LIST PRICE
Press			
1/2"	H-78102W	1/10	\$126.32
3/4"	H-78103W	1/10	\$139.79
1"	H-78104W	1/10	\$192.56

OUTLET TEMPERATURE RANGE 95-120° F

Certified to NSF/ANSI 61 & 372, ASSE 1017, & CSA B125.3

ITEM #	CTN/CASE	LIST PRICE
H-78102W-CAN	1/10	\$126.32
H-78103W-CAN	1/10	\$139.79
H-78104W-CAN	1/10	\$192.56

W/ INTEGRAL CHECK VALVE

Press	ITEM #	CTN/CASE	LIST PRICE
1/2"	H-78202W	1/10	\$161.68
3/4"	H-78203W	1/10	\$180.63
1"	H-78204W	1/10	\$228.40



IDEAL FOR GEOTHERMAL
APPLICATIONS • SEE PAGE 13

THE ISOLATOR SELECT

Full Port Forged Brass Uni-Flange Ball Valve w/ 4-Way Selectable Flow Path, Plugged FNPT Ports, Adjustable Packing Gland, Nuts, Bolts, & Flange Gasket

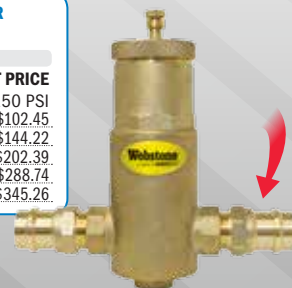
STANDARD BRASS			
SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP × Press × Rotating Flange 250 CWP/250 F Max			
1"	H-81424HV	1/10	\$104.05

FITS STANDARD & HIGH VELOCITY PUMPS

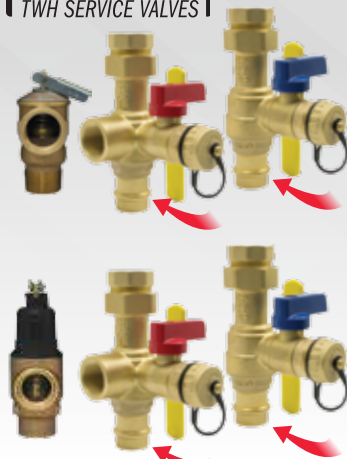
PRO-CONNECT PRESS FORGED BRASS AIR SEPARATOR

w/ Removable Vent Head & Coalescing Medium

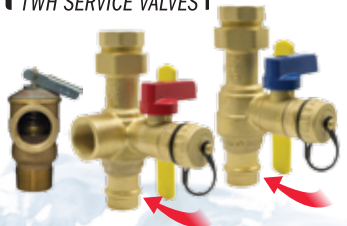
STANDARD BRASS			
SIZE	ITEM #	CTN/CASE	LIST PRICE
Press			150 PSI
3/4"	H-78003	1/10	\$102.45
1"	H-78004	1/10	\$144.22
1 1/4"	H-78005	1/10	\$202.39
1 1/2"	H-78006	1/10	\$288.74
2"	H-78007	1/10	\$345.26



The ISOLATOR. E-X-P E2 TWH SERVICE VALVES



The ISOLATOR. E-X-P E2 TWH SERVICE VALVES



PRO-CONNECT PRESS THE ISOLATOR E-X-P E2 TANKLESS WATER HEATER SERVICE VALVE KIT

Hot & Cold Set of Full Port Forged Brass Ball
Valves w/ Hi-Flow Hose Drains, Pressure Relief
Valve Outlet, & Adjustable Packing Glands

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	ITEM #	CTN/CASE	LIST PRICE
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INCLUDES RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)

FIP Union x Press		250 CWP/250 F Max	
3/4"	H-84443WPR	1/10	\$123.74
1"	H-84444WPR	1/10	\$210.06

INCLUDES LEAD FREE RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)

FIP Union x Press		250 CWP/250 F Max	
3/4"	H-84443WPR-LF	1/10	\$132.77
1"	H-84444WPR-LF	1/10	\$219.09

INCLUDES COMMERCIAL GRADE PRESSURE RELIEF VALVE (150 PSI/2.7M BTU) & CLOSE NIPPLE

FIP Union x Press		250 CWP/250 F Max	
3/4"	H-84443WPR2	1/10	\$179.40
1"	H-84444WPR2	1/10	\$265.71

PRO-CONNECT PRESS THE ISOLATOR E-X-P E2 WALL HUNG & COMBI BOILER SERVICE VALVE KIT

Hot & Cold Set of Full Port Forged Brass Ball Valves
w/ Hi-Flow Hose Drains, Pressure Relief Valve Outlet,
& Adjustable Packing Glands. Includes Residential
Pressure Relief Valve (30 PSI/510,000 BTU)

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	ITEM #	CTN/CASE	LIST PRICE
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FIP Union x Press		250 CWP/250 F Max	
3/4"	H-84443WPR3	1/10	\$133.87
1"	H-84444WPR3	1/10	\$220.19

PAIR W/ E-X-P TWH KITS FOR COMBI BOILER
DOMESTIC HOT WATER CONNECTIONS

HYDRO-CORE™

COMPLETE NEAR BOILER PIPING KITS



FIND THE RIGHT KIT FOR YOUR BOILER AT
WWW.WEBSTONEVALVES.COM/HYDROCORE

INSTALLATION KITS AVAILABLE TO FIT OVER 300 BOILERS
FROM 25 DIFFERENT MANUFACTURERS

PRO-PAL SERIES

NEW! SAVE EVEN MORE TIME AND MONEY.
MOST PRO-PAL ITEMS NOW AVAILABLE WITH PRESS
CONNECTIONS. SEE PAGE 14-15 FOR MORE DETAILS

BALL DRAIN

Full Port Forged Brass Ball Valve w/ Hi-Flow Hose Drain,
Reversible Handle, & Adjustable Packing Glands

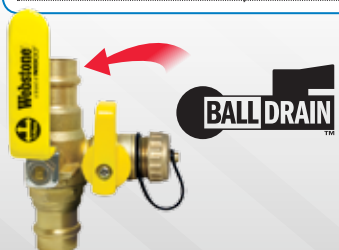
STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
Press			
1/2"	H-80612	4/40	\$24.48
3/4"	H-80613	4/32	\$36.57
1"	H-80614	2/20	\$56.09
1 1/4"	H-80615	2/16	\$87.82
1 1/2"	-	-	-
2"	-	-	-
Press x FIP			
3/4"	H-84613	4/32	\$31.49
1"	H-84614	2/20	\$48.87

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	ITEM #	CTN/CASE	LIST PRICE
Press			
1/2"	H-80612W	4/40	\$29.35
3/4"	H-80613W	4/32	\$44.48
1"	H-80614W	2/20	\$73.77
1 1/4"	H-80615W	2/16	\$119.75
1 1/2"	H-80616W	1/8	\$170.78
2"	H-80617W	1/6	\$237.90



T-DRAIN

Full Port Forged Brass Fitting w/ Hi-Flow Hose
Drain & Adjustable Packing Gland

LEAD-FREE BRASS

Certified to NSF/ANSI 61-G

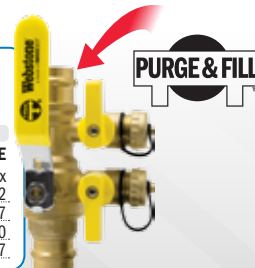
SIZE	ITEM #	CTN/CASE	LIST PRICE
Press			
1/2"	H-80672W	4/40	\$23.98
3/4"	H-80673W	4/16	\$39.58
1"	H-80674W	4/16	\$56.56
1 1/4"	H-80675W	4/16	\$102.60

PURGE & FILL

Full Port Forged Brass Ball Valve w/ (2) Hi-Flow Hose
Drains, Reversible Handle, & Adjustable Packing Glands

STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
Press			
3/4"	H-88613	1/12	\$58.52
1"	H-88614	1/12	\$85.17
1 1/4"	H-88615	1/12	\$141.20
1 1/2"	H-88616	1/6	\$193.67



UNION BALL DRAIN

Full Port Forged Brass Ball Valve w/ Single Union End, Hi-Flow
Hose Drain, Reversible Handle, & Adjustable Packing Glands

LEAD-FREE BRASS

Certified to NSF/ANSI 61-G & 372

SIZE	ITEM #	CTN/CASE	LIST PRICE
Press x FIP Union			
3/4"	H-80433W	4/16	\$55.16
1"	H-80434W	2/16	\$80.02
1 1/4"	H-80435W	2/8	\$124.77
1 1/2"	H-80436W	1/5	\$167.42

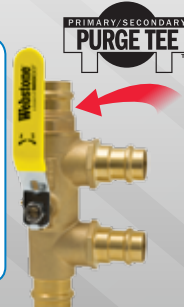


PURGE-TEE

Full Port Forged Brass Ball Valve w/ Reversible
Handle & Adjustable Packing Gland

STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
Press			
1" x 3/4"	H-88643	1/12	\$94.69
1" x 1"	H-88644	1/12	\$112.77
Press			
1 1/4" x 1"	H-88654	1/12	\$179.13
1 1/4" x 1 1/4"	H-88655	1/12	\$223.67



PRO-CONNECTTM PP-R PRO INNOVATIVE VALVES FOR AQUATHERM PP-R PIPE

PATENTED TECHNOLOGY WITH FURTHER PATENTS PENDING



PRO-CONNECT PP-R PRO BALL VALVE

Full Port Forged Brass Ball Valve w/ Adjustable Packing Gland

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	SOCKET I.D.	ITEM#	CTN/CASE	LIST PRICE
Female PP-R Metric Socket				
1/2"	20 mm	H-91702W	5/50	\$24.56
3/4"	25 mm	H-91703W	5/40	\$35.49
1"	32 mm	H-91704W	4/20	\$54.41
1 1/4"	40 mm	H-91705W	5/20	\$85.50
1 1/2"	50 mm	H-91706W	4/16	\$123.58
2"	63 mm	H-91707W	2/8	\$180.54
Female PP-R Metric Socket x FIP				
1/2"	20 mm	H-94702W	5/50	\$24.56
3/4"	25 mm	H-94703W	5/40	\$35.49
1"	32 mm	H-94704W	4/20	\$54.41
1 1/4"	40 mm	H-94705W	5/20	\$85.50
1 1/2"	50 mm	H-94706W	4/16	\$123.58
2"	63 mm	H-94707W	2/8	\$180.54



PRO-CONNECT PP-R PRO THE ISOLATOR W/ ROTATING FLANGE & MULTI-FUNCTION DRAIN

Full Port Forged Brass Uni-Flange Ball Valve w/ Detachable Rotating Flange, Multi-Function Hi-Flow Hose Drain, Adjustable Packing Glands, Nuts & Bolts

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	SOCKET I.D.	ITEM#	CTN/CASE	LIST PRICE
Female PP-R Metric Socket x Rotating Flange				
3/4"	25 mm	H-91413WHV	1/20	\$60.35
1"	32 mm	H-91414WHV	1/20	\$74.85
1 1/4"	40 mm	H-91415WHV	1/10	\$106.62
1 1/2"	50 mm	H-91416WHV	1/10	\$140.77
2"	63 mm	H-91417WHV	1/10	\$171.70

2" ISOLATORS HAVE 1 1/2" PORT



PRO-CONNECT PP-R PRO BALL DRAIN

Full Port Forged Brass Ball Valve w/ Hi-Flow Hose Drain, Reversible Handle, & Adjustable Packing Glands

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	SOCKET I.D.	ITEM#	CTN/CASE	LIST PRICE
Female PP-R Metric Socket				
3/4"	25 mm	H-90613W	4/32	\$45.33
1"	32 mm	H-90614W	2/20	\$78.18
1 1/4"	40 mm	H-90615W	2/16	\$114.83
1 1/2"	50 mm	H-90616W	1/8	\$158.92
2"	63 mm	H-90617W	1/6	\$228.96

STEM EXTENSION KIT

- Replaces existing handle
- Accommodates up to 2" of insulation
- Improves handle accessibility



STEM EXTENSION KIT

For Use with Pro-Connect PP-R Pro Series Valves

VALVE SIZE	ITEM #	CTN/CASE	LIST PRICE
FITS BALL VALVE (9170 & 9470 SERIES)			
1/2" & 3/4"	H-SE-91702	12/48	\$9.36
1"	H-SE-91704	10/40	\$12.21
1 1/4"	H-SE-91705	8/32	\$12.21
1 1/2"	H-SE-91706	6/24	\$20.35
2"	H-SE-91707	6/24	\$20.35
FITS ISOLATOR W/ ROTATING FLANGE (9140 SERIES) AND BALL DRAIN (9061 SERIES)			
3/4"	H-SE-91702	12/48	\$9.36
1"	H-SE-91704	10/40	\$12.21
1 1/4"	H-SE-91705	8/32	\$12.21
1 1/2" & 2"	H-SE-91706	6/24	\$20.35
FITS ISOLATOR W/ ROTATING FLANGE & MULTI-FUNCTION DRAIN (9141 SERIES)			
3/4"	H-SE-91413	12/48	\$9.36
1"	H-SE-91414	10/40	\$12.21
1 1/4"	H-SE-91415	8/32	\$12.21
1 1/2" & 2"	H-SE-91416	8/24	\$20.35



PRO-CONNECT PP-R PRO THE ISOLATOR W/ ROTATING FLANGE

Full Port Forged Brass Uni-Flange Ball Valve w/ Detachable Rotating Flange, Adjustable Packing Glands, Nuts & Bolts

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	SOCKET I.D.	ITEM#	CTN/CASE	LIST PRICE
Female PP-R Metric Socket x Rotating Flange				
3/4"	25 mm	H-91403WHV	1/20	\$45.71
1"	32 mm	H-91404WHV	1/20	\$63.53
1 1/4"	40 mm	H-91405WHV	1/20	\$81.96
1 1/2"	50 mm	H-91406WHV	1/10	\$112.49
2"	63 mm	H-91407WHV	1/10	\$144.35

2" ISOLATORS HAVE 1 1/2" PORT

PRO-CONNECT PP-R PRO INNOVATIVE VALVES FOR ANY PP-R PIPE

PATENTED TECHNOLOGY WITH FURTHER PATENTS PENDING

- Permanent leak-free heat fused connections made in seconds
- PP-RCT sockets compatible with all PP-R & PP-RCT piping systems†
- Safe, clean, long-lasting, high performance materials
- Lead Free construction certified to NSF/ANSI 61 & 372
- Suitable for potable applications
- Available in female metric socket nominal sizes 1/2" to 2"
- Saves labor, space & leak paths

The ISOLATOR
UNI-FLANGE BALL VALVE



PRO-CONNECT PP-R PRO THE ISOLATOR W/ ROTATING FLANGE & MULTI-FUNCTION DRAIN

Full Port Forged Brass Uni-Flange Ball Valve w/
Detachable Rotating Flange, Multi-Function Hi-Flow Hose
Drain, Adjustable Packing Glands, Nuts & Bolts

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	SOCKET I.D.	ITEM#	CTN/CASE	LIST PRICE
Female PP-RCT Metric Socket x Rotating Flange 600 PSI*				
3/4"	25 mm	H-101413WHV	1/20	\$60.35
1"	32 mm	H-101414WHV	1/20	\$74.85
1 1/4"	40 mm	H-101415WHV	1/10	\$106.62
1 1/2"	50 mm	H-101416WHV	1/10	\$140.77
2"	63 mm	H-101417WHV	1/10	\$171.70

2" ISOLATORS HAVE 1 1/2" PORT

The ISOLATOR
UNI-FLANGE BALL VALVE



PRO-CONNECT PP-R PRO THE ISOLATOR W/ ROTATING FLANGE

Full Port Forged Brass Uni-Flange Ball Valve w/ Detachable
Rotating Flange, Adjustable Packing Glands, Nuts & Bolts

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	SOCKET I.D.	ITEM#	CTN/CASE	LIST PRICE
Female PP-RCT Metric Socket x Rotating Flange 600 PSI*				
3/4"	25 mm	H-101403WHV	1/20	\$45.71
1"	32 mm	H-101404WHV	1/20	\$63.53
1 1/4"	40 mm	H-101405WHV	1/20	\$81.96
1 1/2"	50 mm	H-101406WHV	1/10	\$112.49
2"	63 mm	H-101407WHV	1/10	\$144.35

2" ISOLATORS HAVE 1 1/2" PORT

PRO-CONNECT PP-R PRO BALL VALVE

Full Port Forged Brass Ball Valve w/ Adjustable Packing Gland

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	SOCKET I.D.	ITEM#	CTN/CASE	LIST PRICE
Female PP-RCT Metric Socket 600 PSI*				
1/2"	20 mm	H-101702W	5/50	\$24.56
3/4"	25 mm	H-101703W	5/40	\$35.49
1"	32 mm	H-101704W	4/20	\$54.41
1 1/4"	40 mm	H-101705W	5/20	\$85.50
1 1/2"	50 mm	H-101706W	4/16	\$123.58
2"	63 mm	H-101707W	2/8	\$180.54
Female PP-RCT Metric Socket x FIP 600 PSI*				
1/2"	20 mm	H-104702W	5/50	\$24.56
3/4"	25 mm	H-104703W	5/40	\$35.49
1"	32 mm	H-104704W	4/20	\$54.41
1 1/4"	40 mm	H-104705W	5/20	\$85.50
1 1/2"	50 mm	H-104706W	4/16	\$123.58
2"	63 mm	H-104707W	2/8	\$180.54



PRO-PAL
SERIES

BALL DRAIN



PRO-CONNECT PP-R PRO BALL DRAIN

Full Port Forged Brass Ball Valve w/ Hi-Flow Hose Drain,
Reversible Handle, & Adjustable Packing Glands

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	SOCKET I.D.	ITEM#	CTN/CASE	LIST PRICE
Female PP-RCT Metric Socket 600 PSI*				
3/4"	25 mm	H-100613W	4/32	\$45.33
1"	32 mm	H-100614W	2/20	\$78.18
1 1/4"	40 mm	H-100615W	2/16	\$114.83
1 1/2"	50 mm	H-100616W	1/8	\$158.92
2"	63 mm	H-100617W	1/6	\$228.96

STEM EXTENSION KIT

- Replaces existing handle
- Accommodates up to 2" of insulation
- Improves handle accessibility



STEM EXTENSION KIT

For Use with Pro-Connect PP-R Pro Series Valves

VALVE SIZE	ITEM #	CTN/CASE	LIST PRICE
FITS BALL VALVE (10170 & 10470 SERIES)			
1/2" & 3/4"	H-SE-91702	12/48	\$9.36
1"	H-SE-91704	10/40	\$12.21
1 1/4"	H-SE-91705	8/32	\$12.21
1 1/2"	H-SE-91706	6/24	\$20.35
2"	H-SE-91707	6/24	\$20.35
FITS ISOLATOR W/ ROTATING FLANGE (10140 SERIES) AND BALL DRAIN (10061 SERIES)			
3/4"	H-SE-91702	12/48	\$9.36
1"	H-SE-91704	10/40	\$12.21
1 1/4"	H-SE-91705	8/32	\$12.21
1 1/2" & 2"	H-SE-91706	6/24	\$20.35
FITS ISOLATOR W/ ROTATING FLANGE & MULTI-FUNCTION DRAIN (10141 SERIES)			
3/4"	H-SE-91413	12/48	\$9.36
1"	H-SE-91414	10/40	\$12.21
1 1/4"	H-SE-91415	8/32	\$12.21
1 1/2" & 2"	H-SE-91416	8/24	\$20.35

*Valve seat/body maximum pressure rating at 100° F. Overall valve pressure rating is determined by intended operating conditions and limitations specific to the system design. †In accordance with piping manufacturer's installation and warranty requirements.



PRO-CONNECT PRO-PUSH BALL VALVE

Full Port Forged Dezincification Resistant Brass w/ Adjustable Packing
Gland · For Connection to Copper, CPVC, or PEX · **Lead-Free**

INDIVIDUALLY PACKED

Certified to NSF/ANSI 61-G,
NSF/ANSI-14, IAPMO/ANSI Z1157

SIZE	ITEM #	CTN/CASE	LIST PRICE
Push			
1/2"	H-62702W	10/100	\$14.97
3/4"	H-62703W	10/100	\$21.45
1"	H-62704W	5/50	\$34.18

BULK PACKED

Certified to NSF/ANSI 61-G,
NSF/ANSI-14, IAPMO/ANSI Z1157

ITEM #	BOX/CASE	LIST PRICE
	200 PSI/200 F Max	
H-62702W-B	12/72	\$14.97
H-62703W-B	12/48	\$21.45
H-62704W-B	6/24	\$34.18

**FITTINGS
NOW AVAILABLE
IN SIZES
UP TO 2"**



PRO-CONNECT PRO-PUSH IN-LINE SPRING CHECK VALVE

Forged Dezincification Resistant Brass Fitting · For Connection
to Copper, CPVC or PEX · **Lead-Free**

INDIVIDUALLY PACKED

Certified to NSF/ANSI 61-G
& ASSE 1061

SIZE	ITEM #	CTN/CASE	LIST PRICE
Push			
1/2"			
3/4"	H-26993W	12/120	\$22.08
1"			

BULK PACKED

Certified to NSF/ANSI 61-G
& ASSE 1061

ITEM #	BOX/CASE	LIST PRICE
	200 PSI/200 F Max	
H-26992W-B	6/120	\$19.42
H-26993W-B	6/72	\$22.08
H-26994W-B	3/45	\$48.94



PRO-CONNECT PRO-PUSH 1/4 TURN SUPPLY STOP

Chrome Plated Dezincification Resistant Brass · For
Connection to Copper, CPVC or PEX · **Lead-Free**

INDIVIDUALLY PACKED

Certified to NSF/ANSI 61 & 372,
ASSE 1061, ASME A112.18.6/CSA B125.6
& IAPMO/ANSI Z1157

SIZE	ITEM #	CTN/CASE	LIST PRICE
ANGLED			
Push × Compression			
1/2" × 1/4"	H-26820W	20/200	\$13.33
1/2" × 3/8"	H-26821W	20/200	\$13.33

BULK PACKED

Certified to NSF/ANSI 61 & 372,
ASSE 1061, ASME A112.18.6/CSA B125.6
& IAPMO/ANSI Z1157

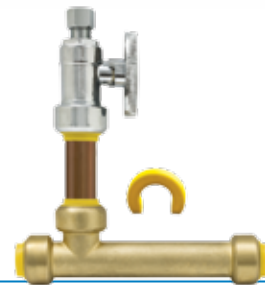
ITEM #	BOX/CASE	LIST PRICE
H-26820W-B	6/120	\$13.33
H-26821W-B	12/120	\$13.33



STRAIGHT

SIZE	ITEM #	CTN/CASE	LIST PRICE
Push × Compression			
1/2" × 1/4"	H-26920W	20/200	\$13.33
1/2" × 3/8"	H-26921W	20/200	\$13.33

ITEM #	BOX/CASE	LIST PRICE
H-26920W-B	6/120	\$13.33
H-26921W-B	12/120	\$13.33



PRO-CONNECT PRO-PUSH TAP-A-LINE KIT

Includes: Repair Tee, CTS, Straight Supply
Stop & Removal Tool · **Lead-Free**

BULK PACKED

Certified to NSF/ANSI 61 & 372,
ASSE 1061, ASME A112.18.6/CSA B125.6
& IAPMO/ANSI Z1157

SIZE	ITEM #	BOX/CASE	LIST PRICE
Push × Push			
		200 PSI/200 F Max	
1/2" × 1/4"	H-26920WKIT-B	12/72	\$31.23
1/2" × 3/8"	H-26921WKIT-B	12/72	\$31.23
3/4" × 1/4"	H-26930WKIT-B	6/60	\$42.11

PRO-CONNECT PRO-PUSH FLEXIBLE WATER HEATER CONNECTOR

Braided Stainless Steel · For Connection to Copper, CPVC or PEX · **Lead-Free**

INDIVIDUALLY PACKED

Certified to NSF/ANSI 61-G, ASSE 1061
& ASME A112.18.6/CSA B125.6

SIZE	ITEM #	CTN/CASE	LIST PRICE
Push × FIP · 12" Length			
1/2" × 3/4"			
3/4"	H-26033W-12	1/50	\$18.48

BULK PACKED

Certified to NSF/ANSI 61-G, ASSE 1061
& ASME A112.18.6/CSA B125.6

ITEM #	BOX/CASE	LIST PRICE
	200 PSI/200 F Max	
H-26023W-12-B	12/60	\$16.30
H-26033W-12-B	12/48	\$18.48

Push × FIP · 15" Length			
1/2" × 3/4"			
3/4"	H-26033W-15	1/50	\$19.88

		200 PSI/200 F Max	
H-26023W-15-B	12/60		\$16.33
H-26033W-15-B	12/48		\$19.88

Push × FIP · 18" Length			
1/2" × 3/4"	H-26023W-18	1/50	\$16.37
3/4"	H-26033W-18	1/50	\$20.35

		200 PSI/200 F Max	
H-26023W-18-B	12/60		\$16.37
H-26033W-18-B	12/36		\$20.35

Push × FIP · 24" Length			
1/2" × 3/4"			
3/4"	H-26033W-24	1/50	\$22.08

		200 PSI/200 F Max	
H-26023W-24-B	12/60		\$19.42
H-26033W-24-B	12/36		\$22.08

INDIVIDUALLY PACKED

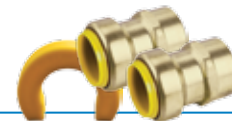
Certified to NSF/ANSI 61-G,
ASSE 1061, ASME A112.18.6/
CSA B125.6, IAPMO/ANSI Z1157

SIZE	ITEM #	CTN/CASE	LIST PRICE
W/ FULL PORT FORGED BRASS DEZINCIFICATION RESISTANT BRASS BALL VALVE			
Push × FIP · 18" Length			
1/2" × 3/4"	H-62023W-18	1/25	\$30.95
3/4"	H-62033W-18	1/25	\$35.37

BULK PACKED

Certified to NSF/ANSI 61-G,
ASSE 1061, ASME A112.18.6/
CSA B125.6, IAPMO/ANSI Z1157

ITEM #	BOX/CASE	LIST PRICE
	200 PSI/200 F Max	
H-62023W-18-B	12/48	\$30.95
H-62033W-18-B	12/36	\$35.37



PRO-CONNECT PRO-PUSH WATER HEATER INSTALLATION KIT

Includes (2) Push × FIP Straight Connectors
& Removal Tool · For Connection to
Copper, CPVC or PEX · **Lead-Free**

INDIVIDUALLY PACKED

Certified to NSF/ANSI 61-G
& ASSE 1061

SIZE	ITEM #	CTN/CASE	LIST PRICE
Push × FIP			
		200 PSI/200 F Max	
1/2"	H-26223WKIT	5/50	\$17.78
3/4"	H-26203WKIT	5/50	\$17.26

BULK PACKED

Certified to NSF/ANSI 61-G
& ASSE 1061

SIZE	ITEM #	BOX/CASE	LIST PRICE
Push × FIP			
		200 PSI/200 F Max	
1/2" × 3/4"	H-26223WKIT-B	12/72	\$17.78
3/4"	H-26203WKIT-B	12/72	\$17.26

PRO-CONNECT PRO-PUSH REMOVAL TOOL

INDIVIDUALLY PACKED

SIZE	ITEM #	CTN/CASE	LIST PRICE
1/2"	H-28112	1/300	\$1.03
3/4"	H-28113	1/300	\$1.12
1"	H-28114	1/250	\$1.40

BULK PACKED

SIZE	ITEM #	BAG/CASE	LIST PRICE
1/4"	H-28110-B	24/1200	\$1.03
3/8"	H-28111-B	24/1200	\$1.03
1/2"	H-28112-B	24/1200	\$1.03
3/4"	H-28113-B	24/600	\$1.12
1"	H-28114-B	12/600	\$1.40
1 1/4"	H-28115-B	1/50	\$8.82
1 1/2"	H-28116-B	1/50	\$10.88
2"	H-28117-B	1/50	\$14.69



PRO-CONNECT PRO-PUSH DEBURR & GAUGE TOOL

BULK PACKED

SIZE	ITEM #	BAG/CASE	LIST PRICE
1/4" - 1"	H-28000-B	1/50	\$15.53



PRO-CONNECT PRO-PUSH ADAPTER SET

INDIVIDUALLY PACKED

SIZE	ITEM #	CTN/CASE	LIST PRICE
1/2"	H-28212	1/300	\$1.05
3/4"	H-28213	1/300	\$1.17
1"	H-28214	1/250	\$1.57

BULK PACKED

SIZE	ITEM #	BAG/CASE	LIST PRICE
1/2"	H-28212-B	1/100	\$1.05
3/4"	H-28213-B	1/100	\$1.17
1"	H-28214-B	1/100	\$1.57
1 1/4"	H-28215-B	1/100	\$2.43
1 1/2"	H-28216-B	1/100	\$3.20
2"	H-28217-B	1/100	\$4.63



PRO PERFORMANCE PUSH CONVENIENCE

PRO-CONNECT PROPUSH STRAIGHT COUPLING

Forged Dezincification Resistant Brass Fitting • For Connection to Copper, CPVC or PEX • **Lead-Free**

INDIVIDUALLY PACKED				BULK PACKED			
Certified to NSF/ANSI 61-G & ASSE 1061				Certified to NSF/ANSI 61-G & ASSE 1061			
SIZE	ITEM #	CTN/CASE	LIST PRICE	ITEM #	BAG/CASE	LIST PRICE	
STRAIGHT COUPLING							
Push				200 PSI/200 F Max			
1/4"	-	-	-	H-26100W-B	6/600	\$6.53	
1/4" x 1/2"	-	-	-	H-26120W-B	6/150	\$7.67	
3/8"	H-26101W	25/250	\$7.60	H-26101W-B	6/360	\$7.60	
3/8" x 1/2"	H-26112W	25/250	\$8.23	H-26112W-B	6/150	\$8.23	
1/2"	H-26102W	25/250	\$8.23	H-26102W-B	12/240	\$8.23	
3/4"	H-26103W	10/100	\$9.01	H-26103W-B	12/180	\$9.01	
3/4" x 1/2"	H-26132W	15/150	\$10.48	H-26132W-B	12/120	\$10.48	
1"	H-26104W	9/90	\$19.30	H-26104W-B	6/90	\$19.30	
1" x 3/4"	H-26143W	9/90	\$20.47	H-26143W-B	6/90	\$20.47	
1 1/4"	-	-	-	H-26105W-B	1/30	\$41.33	
1 1/4" x 1"	-	-	-	H-26154W-B	1/30	\$41.33	
1 1/2"	-	-	-	H-26106W-B	1/27	\$60.05	
1 1/2"	-	-	-	H-26165W-B	1/20	\$60.05	
2"	-	-	-	H-26107W-B	1/20	\$78.32	
2" x 1 1/2"	-	-	-	H-26176W-B	1/15	\$78.32	

FEMALE STRAIGHT CONNECTOR

Push x FIP				200 PSI/200 F Max			
1/4" x 1/2"	-	-	-	H-26220W-B	6/180	\$6.53	
3/8" x 1/2"	-	-	-	H-26212W-B	6/180	\$6.53	
1/2"	H-26202W	20/200	\$6.67	H-26202W-B	12/180	\$6.67	
1/2" x 3/4"	H-26223W	20/200	\$8.33	H-26223W-B	6/150	\$8.33	
3/4"	H-26203W	12/120	\$8.33	H-26203W-B	6/90	\$8.33	
3/4" x 1/2"	-	-	-	H-26232W-B	6/180	\$8.33	
3/4" x 1"	-	-	-	H-26234W-B	6/90	\$18.53	
1"	H-26204W	9/90	\$15.20	H-26204W-B	6/90	\$15.20	
1 1/4"	-	-	-	H-26205W-B	1/30	\$37.43	
1 1/2"	-	-	-	H-26206W-B	1/25	\$59.95	
2"	-	-	-	H-26207W-B	1/20	\$70.48	

MALE STRAIGHT CONNECTOR

Push x MIP				200 PSI/200 F Max			
1/4" x 1/2"	-	-	-	H-26320W-B	6/180	\$6.29	
3/8" x 1/2"	-	-	-	H-26312W-B	6/180	\$6.29	
1/2"	H-26302W	20/200	\$6.29	H-26302W-B	12/180	\$6.29	
1/2" x 3/4"	H-26323W	20/200	\$8.42	H-26323W-B	6/120	\$8.42	
3/4"	H-26303W	15/150	\$8.61	H-26303W-B	12/120	\$8.61	
3/4" x 1/2"	-	-	-	H-26332W-B	6/150	\$8.42	
3/4" x 1"	-	-	-	H-26334W-B	6/90	\$13.68	
1"	H-26304W	9/90	\$16.73	H-26304W-B	6/90	\$16.73	
1" x 3/4"	H-26343W	9/90	\$13.68	H-26343W-B	6/90	\$13.68	
1 1/4"	-	-	-	H-26305W-B	1/30	\$37.43	
1 1/2"	-	-	-	H-26306W-B	1/25	\$53.94	
2"	-	-	-	H-26307W-B	1/20	\$70.48	

POLYBUTYLENE ADAPTER

Push x Push PB				200 PSI/200 F Max			
1/2"	-	-	-	H-26192W-B	6/120	\$11.25	
3/4"	-	-	-	H-26193W-B	6/90	\$13.59	

PRO-CONNECT PROPUSH ELBOW

Forged Dezincification Resistant Brass Fitting • For Connection to Copper, CPVC or PEX • **Lead-Free**

INDIVIDUALLY PACKED				BULK PACKED			
Certified to NSF/ANSI 61-G & ASSE 1061				Certified to NSF/ANSI 61-G & ASSE 1061			
SIZE	ITEM #	CTN/CASE	LIST PRICE	ITEM #	BAG/CASE	LIST PRICE	
90° ELBOW							
Push				200 PSI/200 F Max			
1/4"	-	-	-	H-26400W-B	6/360	\$7.13	
3/8"	-	-	-	H-26401W-B	6/180	\$8.54	
1/2"	H-26402W	20/200	\$8.54	H-26402W-B	12/180	\$8.54	
1/2" x 3/8"	-	-	-	H-26421W-B	12/180	\$8.54	
3/4"	H-26403W	12/120	\$12.58	H-26403W-B	12/96	\$12.58	
3/4" x 1/2"	H-26432W	12/120	\$11.35	H-26432W-B	6/120	\$11.35	
1"	H-26404W	10/100	\$22.53	H-26404W-B	6/60	\$22.53	
1" x 3/4"	-	-	-	H-26443W-B	3/60	\$22.53	
1 1/4"	-	-	-	H-26405W-B	1/20	\$45.24	
1 1/2"	-	-	-	H-26406W-B	1/15	\$66.13	
2"	-	-	-	H-26407W-B	1/8	\$86.15	
Push x FIP				200 PSI/200 F Max			
1/2"	H-26422W	20/200	\$9.96	H-26422W-B	6/150	\$9.96	
Push x MIP				200 PSI/200 F Max			
1/2"	H-26222W	20/200	\$9.24	H-26222W-B	6/120	\$9.24	
3/4"	-	-	-	H-26233W-B	6/90	\$12.70	

90° DROP EAR ELBOW

Push x FIP				200 PSI/200 F Max			
1/2"	H-26412W	9/90	\$10.32	H-26412W-B	6/120	\$10.32	
3/4"	-	-	-	H-26413W-B	6/90	\$14.97	

Push				200 PSI/200 F Max			
1/2"	H-26462W	9/90	\$11.46	H-26462W-B	12/120	\$11.46	

90° HY-EAR ELBOW

Push x FIP				200 PSI/200 F Max			
1/2"	-	-	-	H-26412WHE-B	6/120	\$12.05	



**FREE
CUSTOMIZED
LABELING**
WHEN YOU ORDER 100
UNITS OR MORE

PRO-CONNECT PROPUSH CONTRACTOR PUSH FITTING KIT

27-Piece Assortment of Fittings & Tools • Connection to Copper, CPVC, or PEX

LEAD-FREE BRASS			
Certified to NSF/ANSI 61-G, ASSE 1061 & ASME A112.18.6/CSA B125.6			
SIZE	ITEM #	CTN/CASE	LIST PRICE
KIT	H-26600WKIT	1/4	\$187.88

PRO-CONNECT PROPUSH END CAP

Forged Dezincification Resistant Brass Fitting • For Connection to Copper, CPVC or PEX • **Lead-Free**

INDIVIDUALLY PACKED			
Certified to NSF/ANSI 61-G & ASSE 1061			
SIZE	ITEM #	CTN/CASE	LIST PRICE
Push			
200 PSI/200 F Max			
1/2"	H-26602W	30/300	\$6.20
3/4"	H-26603W	20/200	\$8.54
1"	H-26604W	12/120	\$14.85

BULK PACKED			
Certified to NSF/ANSI 61-G & ASSE 1061			
SIZE	ITEM #	BAG/CASE	LIST PRICE
Push			
200 PSI/200 F Max			
3/8"	H-26601W-B	6/300	\$6.13
1/2"	H-26602W-B	12/300	\$6.20
3/4"	H-26603W-B	6/150	\$8.54
1"	H-26604W-B	6/120	\$14.85
1 1/4"	H-26605W-B	1/40	\$29.15
1 1/2"	H-26606W-B	1/35	\$41.78
2"	H-26607W-B	1/30	\$54.83

PRO-CONNECT PROPUSH SLIP COUPLING

Forged Dezincification Resistant Brass Fitting • For Connection to Copper, CPVC or PEX • **Lead-Free**

INDIVIDUALLY PACKED			
Certified to NSF/ANSI 61-G & ASSE 1061			
SIZE	ITEM #	CTN/CASE	LIST PRICE
Push			
200 PSI/200 F Max			
1/2"	H-26122W	15/150	\$15.09
3/4"	H-26133W	5/50	\$19.63
1"	H-26144W	5/50	\$26.32

BULK PACKED			
Certified to NSF/ANSI 61-G & ASSE 1061			
SIZE	ITEM #	BAG/CASE	LIST PRICE
Push			
200 PSI/200 F Max			
1/2"	H-26122W-B	3/90	\$15.09
3/4"	H-26133W-B	3/60	\$19.63
1"	H-26144W-B	1/50	\$26.32

PRO-CONNECT PROPUSH TEE

Forged Dezincification Resistant Brass Fitting • For Connection to Copper, CPVC or PEX • **Lead-Free**

INDIVIDUALLY PACKED				BULK PACKED			
Certified to NSF/ANSI 61-G & ASSE 1061				Certified to NSF/ANSI 61-G & ASSE 1061			
SIZE	ITEM #	CTN/CASE	LIST PRICE	ITEM #	BAG/CASE	LIST PRICE	
TEE							
Push				200 PSI/200 F Max			
1/4"	-	-	-	H-26500W-B	6/300	\$9.71	
3/8"	-	-	-	H-26501W-B	6/150	\$12.42	
3/8" x 3/8" x 1/2"	-	-	-	H-26512W-B	6/120	\$12.42	
1/2"	H-26502W	12/120	\$11.95	H-26502W-B	12/120	\$11.95	
1/2" x 1/2" x 1/4"	-	-	-	H-26520W-B	6/120	\$12.42	
1/2" x 1/2" x 3/8"	-	-	-	H-26521W-B	6/120	\$12.42	
3/4"	H-26503W	12/120	\$16.33	H-26503W-B	6/60	\$16.33	
3/4" x 1/2" x 1/2"	H-26522W	18/180	\$14.62	H-26522W-B	6/90	\$14.62	
3/4" x 3/4" x 1/2"	H-26532W	15/150	\$14.62	H-26532W-B	6/60	\$14.62	
3/4" x 1/2" x 3/4"	H-26533W	12/120	\$15.39	H-26533W-B	6/60	\$15.39	
1"	H-26504W	6/60	\$29.10	H-26504W-B	3/30	\$29.10	
1" x 1" x 3/4"	H-26543W	6/60	\$29.10	H-26543W-B	3/30	\$29.10	
1 1/4"	-	-	-	H-26505W-B	1/15	\$72.00	
1 1/2"	-	-	-	H-26506W-B	1/10	\$104.00	
2"	-	-	-	H-26507W-B	1/6	\$137.59	

REPAIR TEE

Push				200 PSI/200 F Max			
1/2"	H-26702W	8/80	\$22.22	H-26702W-B	3/90	\$22.22	
3/4"	H-26703W	6/60	\$27.72	H-26703W-B	3/60	\$27.72	
Push x Push x FIP				200 PSI/200 F Max			
1/2"	H-26722W	8/80	\$20.54	H-26722W-B	3/90	\$20.54	
3/4"	H-26733W	6/60	\$26.32	H-26733W-B	3/60	\$26.32	
Push x Push x CTS Slip				200 PSI/200 F Max			
1/2"	-	-	-	H-26752W-B	6/60	\$20.58	



A REVOLUTIONARY APPROACH TO HYDRONIC INSTALLATIONS

PATENTED TECHNOLOGY

Combine a forged brass manifold and components to streamline boiler and secondary loop installations.

- Eliminates costly field fabrication
- Avoids precise calculations
- Simplifies future maintenance
- Minimizes leak paths
- Shaves hours off every installation
- All with EXPERT looking results

DESIGNED SPECIFICALLY FOR NEAR BOILER LOOPS:

Numerous kits are available to provide solutions for these popular boiler styles.

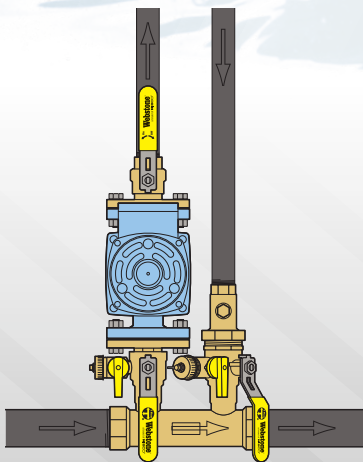
Floor Standing Side Mount Boilers



Floor Standing Top Mount Boilers



SECONDARY CIRCUIT LOOPS:



The Hydro-Core Manifold can be used anywhere a secondary circuit loop is required in a hydronic system.

Wall Hung Boilers



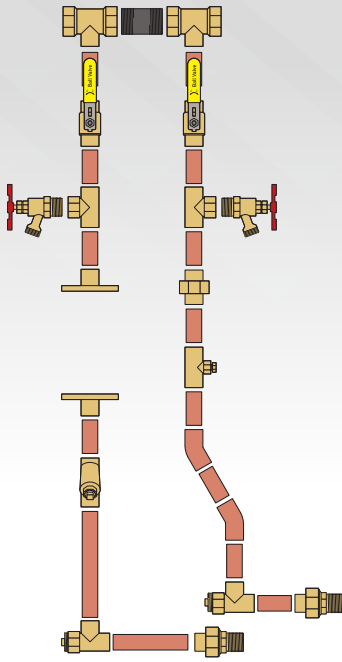
Wall Hung Boilers w/ Integral Pump



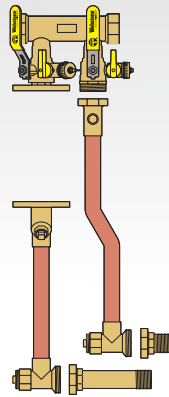
HYDRO-CORE™

COMPLETE NEAR BOILER PIPING KITS

SAVES LABOR, SPACE, AND LEAK PATHS



**FIELD FABRICATED
INSTALLATION**



**HYDRO-CORE™
COMPLETE NEAR
BOILER PIPING KITS**

**COMPO-
NENTS:**

LEAK PATHS:

LABOR:

**FIELD
FABRICATED
INSTALLATION**

**HYDRO-CORE™
COMPLETE NEAR
BOILER PIPING KIT**

34

5

32

3

**4
hours**

**27
minutes**

COMPONENTS AND SAVINGS VARY BY KIT

INSTALLATION KITS AVAILABLE TO FIT OVER 300 DIFFERENT BOILERS FROM:*

- BAXI • BIASI • BOSCH • BRADFORD WHITE • BURNHAM • CROWN BOILER • DUNKIRK
- HEAT TRANSFER PRODUCTS • IBC TECHNOLOGIES • LAARS • LOCHINVAR • NAVIEN
- NEW YORK THERMAL NTI • NORITZ • PEERLESS • PENSOTTI • RAYPAK • SIME • SLANT FIN
- SMITH • TRIANGLE TUBE • UTICA • VISSMANN • WEIL-MCLAIN • WILLIAMSON-THERMOFLO

FIND THE RIGHT KIT FOR YOUR BOILER:

**DOWNLOAD THE
HYDRO-CORE COMPATIBILITY MATRIX**

WWW.WEBSTONEVALVES.COM/HYDROCORE

**DOWNLOAD THE
HYDRO-CORE APP**



* All manufacturer names, models and part numbers are trademarked or registered trademark property of their respective owners. Webstone products are not manufactured, sponsored, authorized, or endorsed by any party unless otherwise noted.

HYDRO-CORE		Boiler Compatibility			
Manufacturer	Model	Number	Boiler Inlet/Outlet	Manifold Size	Run Size
Baxi	Luna 3	Comfort 1.31	3/4 SWT	1 1/4	1
Baxi	Luna 3	Comfort 310	3/4 SWT	1 1/4	1
Baxi	Luna Duo-Tec	1.33 GA	3/4 SWT	1 1/4	1
Baxi	Luna Duo-Tec	40 GA	3/4 SWT	1 1/4	1
Baxi	Luna HT	1.1	1 1/4 MP	1 1/2	1 1/4
Baxi	Luna HT	1.33	3/4 SWT	1 1/4	1
Baxi	Luna HT	1.45	1 MP	1 1/4	1
Baxi	Luna HT	1.65	1 MP	1 1/4	1
Baxi	Luna HT	382	3/4 SWT	1 1/4	1
Baxi	M130.300R		3/4 SWT	1 1/4	1
Baxi	M210.325		3/4 SWT	1 1/4	1
Baxi	M210.325V		3/4 SWT	1 1/4	1
Baxi	M135.300R		3/4 SWT	1 1/4	1
Baxi	M135.300M		3/4 SWT	1 1/4	1
Baxi	M135.300R		3/4 SWT	1 1/4	1
Baxi	28416-3		1 MP	1 1/4	1
Baxi	28421-3		1 MP	1 1/4	1
Baxi	28428-3		1 MP	1 1/4	1
Baxi	28435-3		1 MP	1 1/4	1
Baxi	28442-3		1 MP	1 1/4	1
Baxi	ZWB28-5		1 MP	1 1/4	1
Baxi	ZWB35-5		1 MP	1 1/4	1
Baxi	ZWB42-3		1 MP	1 1/4	1
Baxi	BMT214-200		1 1/2 MP	2	1 1/2
Baxi	BMT214-300		1 1/2 MP	2	1 1/2
Baxi	BMT214-400		1 1/2 MP	2	1 1/2
Baxi	BNT11-080		1 MP	1 1/4	1
Baxi	BNT11-100		1 MP	1 1/4	1
Baxi	BNT11-150		1 MP	1 1/4	1
Baxi	BNT11-210		1 MP	1 1/4	1
Baxi	BNT11-280		1 1/4 MP	1 1/2	1 1/4
Baxi	BNT11-380		1 1/4 MP	1 1/2	1 1/4
Baxi	BNT11-500		1 1/2 MP	2	1 1/2
Baxi	BNT11-600		1 1/2 MP	2	1 1/2

**Solutions for Brute Elite
125 Combi BLMC-125NA
from Bradford White**

Boiler Inlet/Outlet Size: 3/4 SWT
NB Pipe Size: 1; Run Size: 1 1/4

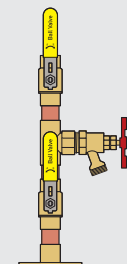
The ISOLATOR[®]

UNI-FLANGE BALL VALVE[®]

THE ONLY WAY TO ISOLATE CIRCULATOR PUMPS

PATENTED TECHNOLOGY WITH FURTHER PATENTS PENDING

THE OLD WAY



THE WEBSTONE WAY
REPLACES 8 COMPONENTS
ELIMINATES 7 LEAK PATHS
SAVES 63 MINUTES OF LABOR

These valves have revolutionized the installation of circulator pumps. Our original Isolator Uni-Flange Ball Valve design has evolved into the largest flanged ball valve program in the industry today.

- Conical inlet to minimize turbulence
- Slotted holes for high velocity pumps
- Fits virtually any circulator pump



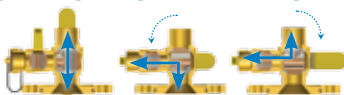
THE ISOLATOR UNI-FLANGE BALL VALVE

Full Port Forged Brass Ball Valve w/ Adjustable Packing Gland, Nuts & Bolts

STANDARD BRASS				
SIZE	ITEM#	HV ITEM#	CTN/CASE	LIST PRICE
FIP × Flange 600 WOG				
1/2"	H-40402	H-40402HV	1/20	\$26.65
3/4"	H-40403	H-40403HV	1/20	\$30.09
1"	H-40404	H-40404HV	1/20	\$36.27
1 1/4"	H-40405	H-40405HV	1/20	\$43.14
1 1/2"	H-40406	H-40406HV	1/20	\$60.79
2"	-	H-40407HV	1/10	\$80.94
SWT × Flange 600 WOG				
1/2"	H-50402	H-50402HV	2/20	\$26.65
3/4"	H-50403	H-50403HV	1/20	\$30.09
1"	H-50404	H-50404HV	1/20	\$36.27
1 1/4"	H-50405	H-50405HV	1/20	\$43.14
1 1/2"	H-50406	H-50406HV	1/20	\$60.79
2"	-	H-50407HV	1/10	\$80.94
W/ HI-FLOW HOSE DRAIN 600 WOG				
FIP × Flange				
3/4"	H-40413	H-40413HV	1/20	\$44.01
1"	H-40414	H-40414HV	1/20	\$53.42
1 1/4"	H-40415	H-40415HV	1/20	\$67.37
1 1/2"	H-40416	H-40416HV	1/10	\$92.25
2"	-	H-40417HV	1/10	\$124.89
SWT × Flange 600 WOG				
3/4"	H-50413	H-50413HV	1/20	\$44.01
1"	H-50414	H-50414HV	1/20	\$53.42
1 1/4"	H-50415	H-50415HV	1/20	\$67.37
1 1/2"	H-50416	H-50416HV	1/10	\$92.25
2"	-	H-50417HV	1/10	\$124.89

HV ITEMS FIT HIGH VELOCITY & STANDARD SIZE PUMPS.
2" ISOLATORS HAVE 1 1/2" PORT.

PURGES BEFORE OR AFTER PUMP



SNUG-FIT ROTATING FLANGE



SECTION REMOVED TO SHOW INTERNAL CONSTRUCTION

- Unique uni-body design is preserved
- Solid forged brass outer flange
- Fully removable outer flange secured by snap ring

THE ISOLATOR W/ ROTATING FLANGE

Full Port Forged Brass Uni-Flange Ball Valve w/ Detachable Rotating Flange, Adjustable Packing Gland, Nuts & Bolts

STANDARD BRASS

LEAD-FREE BRASS

Certified to NSF/ANSI 61-G

SIZE	ITEM#	HV ITEM#	CTN/CASE	LIST PRICE	ITEM#	HV ITEM#	CTN/CASE	LIST PRICE
FIP × Rotating Flange 600 WOG								
3/4"	H-41403	H-41403HV	1/20	\$29.50	H-41403W	H-41403WHV	2/20	\$35.60
1"	H-41404	H-41404HV	1/20	\$35.56	H-41404W	H-41404WHV	2/20	\$43.86
1 1/4"	H-41405	H-41405HV	1/20	\$42.29	H-41405W	H-41405WHV	2/20	\$53.10
1 1/2"	H-41406	H-41406HV	1/20	\$59.60	H-41406W	H-41406WHV	2/10	\$73.66
2"	-	-	-	-	-	H-41407WHV	1/10	\$80.94
SWT × Rotating Flange 600 WOG								
3/4"	H-51403	H-51403HV	1/20	\$29.50	H-51403W	H-51403WHV	2/20	\$35.60
1"	H-51404	H-51404HV	1/20	\$35.56	H-51404W	H-51404WHV	2/20	\$43.86
1 1/4"	H-51405	H-51405HV	1/20	\$42.29	H-51405W	H-51405WHV	2/20	\$53.10
1 1/2"	H-51406	H-51406HV	1/20	\$59.60	H-51406W	H-51406WHV	2/10	\$73.66
2"	-	-	-	-	-	H-51407WHV	1/10	\$80.94
Press × Rotating Flange 250 CWP/250 F Max								
3/4"	-	H-81403HV	1/20	\$31.37	-	-	-	-
1"	-	H-81404HV	1/20	\$37.89	-	-	-	-
1 1/4"	-	H-81405HV	1/20	\$47.39	-	-	-	-
1 1/2"	-	H-81406HV	1/10	\$61.92	-	-	-	-
2"	-	H-81407HV	1/10	\$94.62	-	-	-	-
W/ MULTI-FUNCTION HI-FLOW HOSE DRAIN 600 WOG								
FIP × Rotating Flange								
3/4"	H-41413	H-41413HV	2/20	\$41.92	H-41413W	H-41413WHV	2/20	\$50.81
1"	H-41414	H-41414HV	2/20	\$50.88	H-41414W	H-41414WHV	2/20	\$62.53
1 1/4"	H-41415	H-41415HV	2/20	\$64.16	H-41415W	H-41415WHV	2/10	\$78.41
1 1/2"	H-41416	H-41416HV	2/10	\$87.86	H-41416W	H-41416WHV	2/10	\$107.37
2"	-	-	-	-	-	H-41417WHV	1/10	\$118.95
SWT × Rotating Flange 600 WOG								
3/4"	H-51413	H-51413HV	2/20	\$41.92	H-51413W	H-51413WHV	2/20	\$50.81
1"	H-51414	H-51414HV	2/20	\$50.88	H-51414W	H-51414WHV	2/20	\$62.53
1 1/4"	H-51415	H-51415HV	2/20	\$64.16	H-51415W	H-51415WHV	2/10	\$78.41
1 1/2"	H-51416	H-51416HV	2/10	\$87.86	H-51416W	H-51416WHV	2/10	\$107.37
2"	-	-	-	-	-	H-51417WHV	1/10	\$118.95
Press × Rotating Flange 250 CWP/250 F Max								
3/4"	-	H-81413HV	1/20	\$43.79	-	-	-	-
1"	-	H-81414HV	1/20	\$53.64	-	-	-	-
1 1/4"	-	H-81415HV	1/10	\$67.51	-	-	-	-
1 1/2"	-	H-81416HV	1/10	\$92.21	-	-	-	-
2"	-	H-81417HV	1/10	\$117.99	-	-	-	-

HV ITEMS FIT HIGH VELOCITY & STANDARD SIZE PUMPS. 2" ISOLATORS HAVE 1 1/2" PORT.

THE ISOLATOR CIRCULATOR PUMP INSTALLATION KIT

Your choice of Isolator & Isolator w/ Drain & 2 Full-Faced Flange Gaskets, Nuts & Bolts

STANDARD BRASS

LEAD-FREE BRASS

Certified to NSF/ANSI 61-G

SIZE	ITEM#	HV ITEM#	CTN/CASE	LIST PRICE	ITEM#	HV ITEM#	CTN/CASE	LIST PRICE
THE ISOLATOR CIRCULATOR PUMP INSTALLATION KIT								
FIP × Flange 600 WOG								
3/4"	H-40413KIT	H-40413HVKIT	1/10	\$82.13	-	-	-	-
1"	H-40414KIT	H-40414HVKIT	1/10	\$97.71	-	-	-	-
1 1/4"	H-40415KIT	H-40415HVKIT	1/10	\$118.54	-	-	-	-
SWT × Flange 600 WOG								
3/4"	H-50413KIT	H-50413HVKIT	1/10	\$82.13	-	-	-	-
1"	H-50414KIT	H-50414HVKIT	1/10	\$97.71	-	-	-	-
1 1/4"	H-50415KIT	H-50415HVKIT	1/10	\$118.54	-	-	-	-
THE ISOLATOR W/ ROTATING FLANGE CIRCULATOR PUMP INSTALLATION KIT								
FIP × Rotating Flange 600 WOG								
3/4"	H-41413KIT	H-41413HVKIT	1/10	\$79.44	H-41413WKIT	H-41413WHVKIT	1/10	\$94.43
1"	H-41414KIT	H-41414HVKIT	1/10	\$94.46	H-41414WKIT	H-41414WHVKIT	1/10	\$114.41
1 1/4"	H-41415KIT	H-41415HVKIT	1/10	\$114.48	H-41415WKIT	H-41415WHVKIT	1/10	\$139.53
SWT × Rotating Flange 600 WOG								
3/4"	H-51413KIT	H-51413HVKIT	1/10	\$79.44	H-51413WKIT	H-51413WHVKIT	1/10	\$94.43
1"	H-51414KIT	H-51414HVKIT	1/10	\$94.46	H-51414WKIT	H-51414WHVKIT	1/10	\$114.41
1 1/4"	H-51415KIT	H-51415HVKIT	1/10	\$114.48	H-51415WKIT	H-51415WHVKIT	1/10	\$139.53
Press × Rotating Flange 250 CWP/250 F Max								
3/4"	-	H-81413HVKIT	1/10	\$83.18	-	-	-	-
1"	-	H-81414HVKIT	1/10	\$99.56	-	-	-	-
1 1/4"	-	H-81415HVKIT	1/10	\$122.93	-	-	-	-

HV ITEMS FIT HIGH VELOCITY & STANDARD SIZE PUMPS. 2" ISOLATORS HAVE 1 1/2" PORT.

NOW FOR HIGH EFFICIENCY VARIABLE SPEED PUMPS

The ISOLATOR[®]

UNI-FLANGE BALL VALVE[®]
with **ROUND FLANGE**

- Detachable rotating round flange
- Three flange styles designed specifically for each pump



AVAILABLE W/
**PRO-CONNECT
PRESS**



THE ISOLATOR DOUBLE FLANGED CHECK

Forged Brass Check Valve w/ Rotating Flange · Includes One Set of Mounting Bolts & Full Faced Flange Gasket

STANDARD BRASS			
SIZE	HV ITEM#	CTN/CASE	LIST PRICE
Flange × Rotating Flange			
3/4" thru 1 1/4"	H-13703HV	1/10	\$31.32
1 1/2" thru 2"	H-13706HV	1/10	\$38.55

FITS STANDARD & HIGH VELOCITY PUMPS

The ISOLATOR[®]

UNI-FLANGE BALL VALVE[®]
SELECT WITH 4-WAY
SELECTABLE FLOW PATH

IDEAL FOR GEOTHERMAL APPLICATIONS

- Easily fill, purge, sample or add a pressure gauge right at the pump
- 1" side ports enable quicker filling and purging – ideal for Geothermal applications
- Easily direct fluid between 4 available ports
- Easily isolate the pump for replacement



PRO-CONNECT
PRESS

THE ISOLATOR SELECT

Full Port Forged Brass Uni-Flange Ball Valve w/ 4-Way Selectable Flow Path, Plugged FNPT Ports, Adjustable Packing Gland, Nuts, Bolts, & Flange Gasket

STANDARD BRASS			
SIZE	HV ITEM#	CTN/CASE	LIST PRICE
FIP × Press × Rotating Flange			
1"	H-81424HV	1/10	\$104.05

FITS STANDARD & HIGH VELOCITY PUMPS

COMPATIBLE WITH*
TACO 00e - VR15-1

THE ISOLATOR W/ ROUND FLANGE

Full Port Forged Brass Uni-Flange Ball Valve w/ Detachable Rotating Flange, Adjustable Packing Gland, Nuts & Bolts

STANDARD BRASS			
SIZE	ITEM#	CTN/CASE	LIST PRICE
FIP × Rotating Flange			
1 1/2"	H-41406HV-RF375	1/6	\$79.16
SWT × Rotating Flange			
1 1/2"	H-51406HV-RF375	1/6	\$79.16
Press × Rotating Flange			
1 1/2"	H-81406HV-RF375	1/6	\$90.50

W/ MULTI-FUNCTION HI-FLOW HOSE DRAIN

STANDARD BRASS			
SIZE	ITEM#	CTN/CASE	LIST PRICE
FIP × Rotating Flange			
1 1/2"	H-41416HV-RF375	1/6	\$97.71
SWT × Rotating Flange			
1 1/2"	H-51416HV-RF375	1/6	\$97.71
Press × Rotating Flange			
1 1/2"	H-81416HV-RF375	1/6	\$112.09

COMPATIBLE WITH

ARMSTRONG E.2 SERIES - E16.2/E16.2B, E30.2/E30.2B
BELL & GOSSETT ECOCIRC - XL 15-75, XL 20-140, XL 40-200
WILO STRATOS - 2.0 × 3-35

THE ISOLATOR W/ ROTATING FLANGE

Full Port Forged Brass Uni-Flange Ball Valve w/ Detachable Rotating Flange, Adjustable Packing Gland, Nuts & Bolts

STANDARD BRASS			
SIZE	ITEM#	CTN/CASE	LIST PRICE
FIP × Rotating Flange			
2"	H-41407HV-RF400	1/6	\$102.55
SWT × Rotating Flange			
2"	H-51407HV-RF400	1/6	\$102.55
Press × Rotating Flange			
2"	H-81407HV-RF400	1/6	\$116.68

W/ MULTI-FUNCTION HI-FLOW HOSE DRAIN

STANDARD BRASS			
SIZE	ITEM#	CTN/CASE	LIST PRICE
FIP × Rotating Flange			
2"	H-41417HV-RF400	1/6	\$126.18
SWT × Rotating Flange			
2"	H-51417HV-RF400	1/6	\$126.18
Press × Rotating Flange			
2"	H-81417HV-RF400	1/6	\$137.87

COMPATIBLE WITH

TACO 00e - VR20-1
GRUNDFOS MAGNA3 - 50-80 F, 50-150 F

THE ISOLATOR W/ ROTATING FLANGE

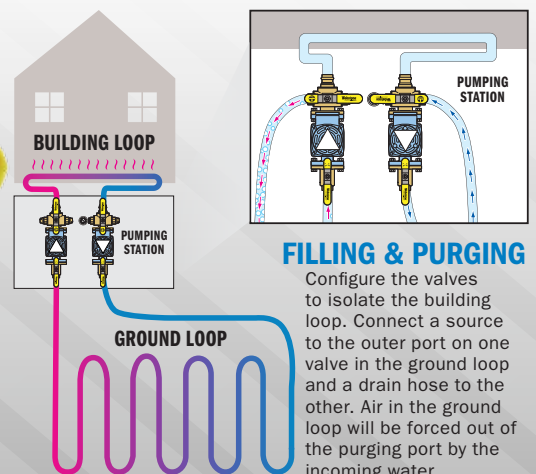
Full Port Forged Brass Uni-Flange Ball Valve w/ Detachable Rotating Flange, Adjustable Packing Gland, Nuts & Bolts

STANDARD BRASS			
SIZE	ITEM#	CTN/CASE	LIST PRICE
FIP × Rotating Flange			
2"	H-41407HV-RF475	1/6	\$102.55
SWT × Rotating Flange			
2"	H-51407HV-RF475	1/6	\$102.55
Press × Rotating Flange			
2"	H-81407HV-RF475	1/6	\$116.68

W/ MULTI-FUNCTION HI-FLOW HOSE DRAIN

STANDARD BRASS			
SIZE	ITEM#	CTN/CASE	LIST PRICE
FIP × Rotating Flange			
2"	H-41417HV-RF475	1/6	\$126.18
SWT × Rotating Flange			
2"	H-51417HV-RF475	1/6	\$126.18
Press × Rotating Flange			
2"	H-81417HV-RF475	1/6	\$137.87

2-PUMP GEOTHERMAL SYSTEM OVERVIEW



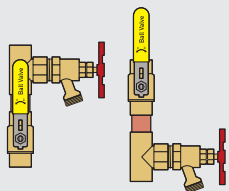
FILLING & PURGING

Configure the valves to isolate the building loop. Connect a source to the outer port on one valve in the ground loop and a drain hose to the other. Air in the ground loop will be forced out of the purging port by the incoming water.

* All manufacturer names, models and part numbers are trademarked or registered trademark property of their respective owners. Webstone products are not manufactured, sponsored, authorized, or endorsed by any party unless otherwise noted.

BALL DRAIN

THE OLD WAY



Draining from Above Ball Draining from Below Ball

THE WEBSTONE WAY
REPLACES 4 COMPONENTS
ELIMINATES 3 LEAK PATHS
SAVES 27 MINUTES OF LABOR

- Eliminate assemblies needed to isolate & drain any portion of a piped system
- Press or SWT × FIP option designed specifically for use with pre-fabricated threaded headers
- Reversible handle for added versatility
- Exclusive adjustable flow path allows for draining from either side of the ball

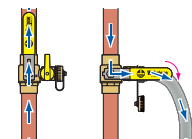


T-Flow Ball

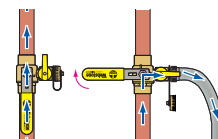


Adjustable stem directs flow into the **hi-flow** hose drain from either side of the ball

DRAINING FROM ABOVE BALL



DRAINING FROM BELOW BALL



BALL DRAIN

Full Port Forged Brass Ball Valve w/ Hi-Flow Hose Drain, Reversible Handle, & Adjustable Packing Glands

STANDARD BRASS

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	ITEM #	CTN/CASE	LIST PRICE	ITEM #	CTN/CASE	LIST PRICE
FIP						600 WOG
1/2"	H-40612	6/36	\$17.97	H-40612W	6/36	\$22.00
3/4"	H-40613	6/36	\$22.74	H-40613W	6/36	\$30.72
1"	H-40614	4/24	\$32.62	H-40614W	4/24	\$42.40
1 1/4"	H-40615	2/12	\$48.45	H-40615W	2/12	\$61.20
1 1/2"	H-40616	2/12	\$67.87	H-40616W	2/8	\$85.58
2"	H-40617	1/6	\$100.64	H-40617W	1/6	\$130.25
SWT						600 WOG
1/2"	H-50612	6/36	\$17.97	H-50612W	6/36	\$22.00
3/4"	H-50613	6/36	\$22.74	H-50613W	6/36	\$30.72
1"	H-50614	4/24	\$32.62	H-50614W	4/24	\$42.40
1 1/4"	H-50615	2/12	\$48.45	H-50615W	2/12	\$61.20
1 1/2"	H-50616	2/12	\$67.87	H-50616W	2/8	\$85.58
2"	H-50617	1/6	\$100.64	H-50617W	1/6	\$130.25
SWT × FIP						600 WOG
1/2"	H-54612	6/36	\$17.97	H-54612W	6/36	\$22.00
3/4"	H-54613	6/36	\$22.74	H-54613W	6/36	\$30.72
1"	H-54614	4/24	\$32.62	H-54614W	4/24	\$42.40
Press						250 CWP/250 F Max
1/2"	H-80612	4/40	\$24.48	H-80612W	4/40	\$29.35
3/4"	H-80613	4/32	\$36.57	H-80613W	4/32	\$44.48
1"	H-80614	2/20	\$56.09	H-80614W	2/20	\$73.77
1 1/4"	H-80615	2/16	\$87.82	H-80615W	2/16	\$119.75
1 1/2"	-	-	-	H-80616W	1/8	\$170.78
2"	-	-	-	H-80617W	1/6	\$237.90
Press × FIP						250 CWP/250 F Max
3/4"	H-84613	4/32	\$31.49	-	-	-
1"	H-84614	2/20	\$48.87	-	-	-

UNION BALL DRAIN

- All the features of the ball drain, with integrated union connection
- Easily disconnect and replace any portion of a piped system

UNION BALL DRAIN

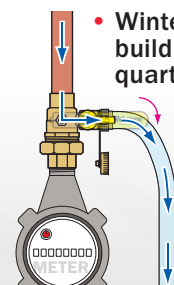
Full Port Forged Brass Ball Valve w/ Single Union End, Hi-Flow Hose Drain, Reversible Handle, & Adjustable Packing Glands

STANDARD BRASS

LEAD-FREE BRASS

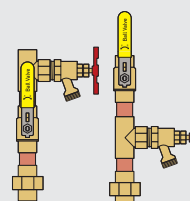
Certified to NSF/ANSI 61 & 372

SIZE	ITEM #	CTN/CASE	LIST PRICE	ITEM #	CTN/CASE	LIST PRICE
FIP Union × FIP						600 WOG
3/4"	H-40433	6/24	\$37.30	H-40433W	6/24	\$47.13
1"	H-40434	4/16	\$50.93	H-40434W	4/16	\$64.69
1 1/4"	H-40435	2/12	\$70.98	H-40435W	2/12	\$89.72
1 1/2"	H-40436	2/12	\$93.96	H-40436W	2/8	\$118.06
SWT × FIP Union						600 WOG
3/4"	H-50433	6/24	\$37.30	H-50433W	6/24	\$47.13
1"	H-50434	4/16	\$50.93	H-50434W	4/16	\$64.69
1 1/4"	H-50435	2/12	\$70.98	H-50435W	2/12	\$89.72
1 1/2"	H-50436	2/12	\$93.96	H-50436W	2/8	\$118.06
Press × FIP Union						250 CWP/250 F Max
3/4"	-	-	-	H-80433W	4/16	\$55.16
1"	-	-	-	H-80434W	2/16	\$80.02
1 1/4"	-	-	-	H-80435W	2/8	\$124.77
1 1/2"	-	-	-	H-80436W	1/5	\$167.42



- Winterize an entire building with simple quarter-turn actions

THE OLD WAY



Draining from Above Ball Draining from Below Ball

THE WEBSTONE WAY
REPLACES 6 COMPONENTS
ELIMINATES 5 LEAK PATHS
SAVES 45 MINUTES OF LABOR



AVAILABLE W/



THE OLD WAY

HANDLE OPERATION

THE WEBSTONE WAY

REPLACES 2 COMPONENTS
ELIMINATES 1 LEAK PATH
SAVES 9 MINUTES OF LABOR

Normal Operation

System Purging

- Install anywhere a drain or purge valve is required
- Hi-flow alternative for filling, draining, or venting closed-loop hydronic systems

T-DRAIN

Full Port Forged Brass Fitting w/ Hi-Flow Hose Drain & Adjustable Packing Gland

LEAD-FREE BRASS
Certified to NSF/ANSI 61-G

SIZE	ITEM #	CTN/CASE	LIST PRICE
600 WOG			
SWT			
1/2"	H-50672W	8/80	\$14.00
3/4"	H-50673W	6/48	\$21.40
1"	H-50674W	4/40	\$22.79
1 1/4"	H-50675W	4/40	\$28.09
1 1/2"	H-50676W	2/24	\$35.39
2"	H-50677W	2/20	\$43.80
250 CWP/250 F Max			
Press			
1/2"	H-80672W	4/40	\$23.98
3/4"	H-80673W	4/16	\$39.58
1"	H-80674W	4/16	\$56.56
1 1/4"	H-80675W	4/16	\$102.60



- The only way to place a ball valve between closely spaced tees
- Precision crafting achieves hydraulic separation
- Ideal for primary/secondary piping

PURGE-TEE

Full Port Forged Brass Ball Valve w/ Reversible Handle & Adjustable Packing Gland

SIZE	ITEM #	CTN/CASE	LIST PRICE
600 WOG			
STANDARD BRASS			
SWT (1" Primary Loop)			
1" x 3/4"	H-58643	1/12	\$42.69
1" x 1"	H-58644	1/12	\$45.22
SWT (1 1/4" Primary Loop)			
1 1/4" x 3/4"	H-58653	1/12	\$68.50
1 1/4" x 1"	H-58654	1/12	\$71.44
1 1/4" x 1 1/4"	H-58655	1/12	\$75.20
250 CWP/250 F Max			
Press			
1" x 3/4"	H-88643	1/12	\$94.69
1" x 1"	H-88644	1/12	\$112.77
250 CWP/250 F Max			
Press			
1 1/4" x 1"	H-88654	1/12	\$179.13
1 1/4" x 1 1/4"	H-88655	1/12	\$223.67



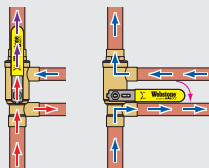
THE WEBSTONE WAY
REPLACES 5 COMPONENTS*
ELIMINATES 4 LEAK PATHS
SAVES 36 MINUTES OF LABOR

THE OLD WAY

*Correct spacing for hydraulic separation cannot be achieved using off-the-shelf components.

The Purge Tee is the ONLY way to place a valve between closely spaced tees.

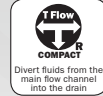
HANDLE OPERATION



Normal Operation

Power Purging

PURGE & FILL

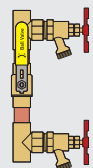


AVAILABLE W/



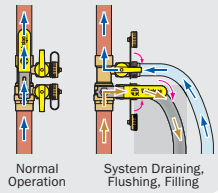
- Simultaneously drain, flush & refill any hydronic, solar, or closed loop system
- Reversible handle for added versatility

THE OLD WAY



THE WEBSTONE WAY
REPLACES 7 COMPONENTS
ELIMINATES 6 LEAK PATHS
SAVES 54 MINUTES OF LABOR

HANDLE OPERATION



Normal Operation

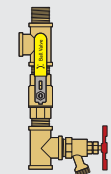
System Draining, Flushing, Filling

PURGE & FILL

Full Port Forged Brass Ball Valve w/ (2) Hi-Flow Hose Drains, Reversible Handle, & Adjustable Packing Glands

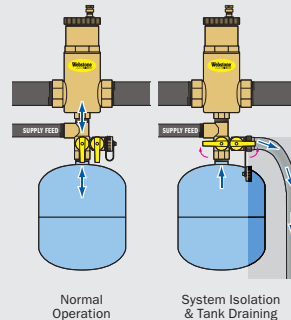
SIZE	ITEM #	CTN/CASE	LIST PRICE
600 WOG			
STANDARD BRASS			
FIP			
3/4"	H-48613	1/12	\$40.91
1"	H-48614	1/12	\$52.26
1 1/4"	H-48615	1/12	\$67.85
1 1/2"	H-48616	1/12	\$90.71
600 WOG			
SWT			
3/4"	H-58613	1/12	\$40.91
1"	H-58614	1/12	\$52.26
1 1/4"	H-58615	1/12	\$67.85
1 1/2"	H-58616	1/12	\$90.71
250 CWP/250 F Max			
Press			
3/4"	H-88613	1/12	\$58.52
1"	H-88614	1/12	\$85.17
1 1/4"	H-88615	1/12	\$141.20
1 1/2"	H-88616	1/6	\$193.67

THE OLD WAY



THE WEBSTONE WAY
REPLACES 7 COMPONENTS
ELIMINATES 6 LEAK PATHS
SAVES 54 MINUTES OF LABOR

HANDLE OPERATION



Normal Operation

System Isolation & Tank Draining



- The 3-way ball controls flow between the expansion tank and the system
- Easily install, isolate, drain & replace any expansion tank
- Quickly connect entire system to the cold water feed

IDEAL FOR USE WITH
Webstone
Air Separator

PRO-PAL EXPANSION TANK PRO SERVICE VALVE

Full Port Forged Brass Ball Valve w/ Hi-Flow Hose Drain

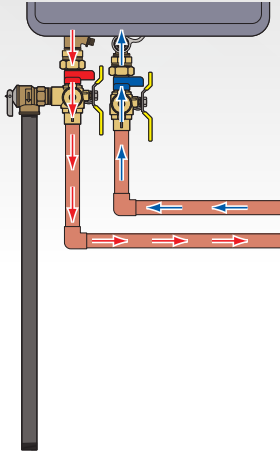
SIZE	ITEM #	CTN/CASE	LIST PRICE
600 WOG			
STANDARD BRASS			
FIP x MIP x FIP x Hose			
1/2"	H-41672	1/30	\$26.94

The ISOLATOR[®] E·X·P[™] TWH SERVICE VALVES

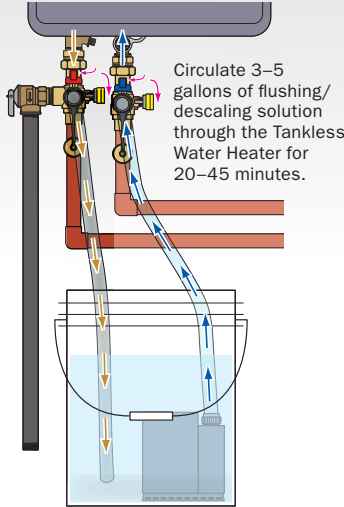
THE **ONLY** WAY TO INSTALL ANY **TANKLESS** **WATER HEATER**

PATENTED TECHNOLOGY

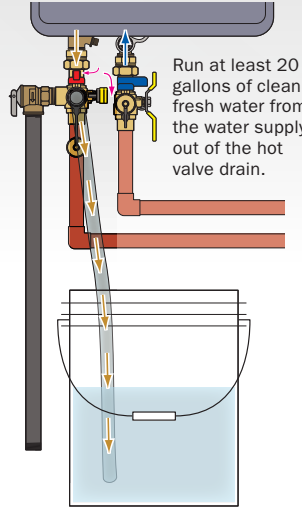
NORMAL OPERATION



CLEANING



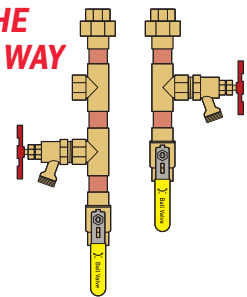
FLUSHING



ADVANTAGES

- Quicker, consistent quality installation
- Fewer leak paths
- Allows for easy cleaning or flushing of system
- Allows for one person diagnostic testing of water heater unit

THE OLD WAY



**REPLACES 14 COMPONENTS
ELIMINATES 12 LEAK PATHS
SAVES 108 MINUTES OF LABOR**

THE ISOLATOR E-X-P TANKLESS WATER HEATER SERVICE VALVE KIT

Hot & Cold Set of Full Port Forged Brass Ball Valves w/ Hi-Flow Hose Drains, Pressure Relief Valve Outlet, & Adjustable Packing Glands

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP Union × FIP			600 WOG
3/4"	H-40443W	1/8	\$164.54
SWT × FIP Union			600 WOG
3/4"	H-50443W	1/8	\$164.54

INCLUDES RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)

FIP Union × FIP			600 WOG
3/4"	H-40443WPR	1/8	\$177.69
SWT × FIP Union			600 WOG
3/4"	H-50443WPR	1/8	\$177.69

INCLUDES COMMERCIAL GRADE PRESSURE RELIEF VALVE (150 PSI/2.7M BTU) & CLOSE NIPPLE

FIP Union × FIP			600 WOG
3/4"	H-40443WPR2	1/8	\$233.34
SWT × FIP Union			600 WOG
3/4"	H-50443WPR2	1/8	\$233.34

The ISOLATOR[®] E·X·P[™] TWH SERVICE VALVES

PREMIUM DESIGN



The ISOLATOR[®] E·X·P[™] TWH SERVICE VALVES

SPACE SAVING

AVAILABLE W/
**PRO-CONNECT
PROPUSH**
**PRO-CONNECT
PRESS**



THE ISOLATOR E-X-P E3 TANKLESS WATER HEATER SERVICE VALVE KIT

Hot & Cold Set of Full Port Forged Brass Ball Valves w/ Hi-Flow Hose Drains, Adjustable Pressure Relief Valve Outlet, & Adjustable Packing Glands

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP Union × FIP			500 WOG
3/4"	H-45443WPR	1/10	\$125.38
FIP Union × SWT			500 WOG
3/4"	H-55443WPR	1/10	\$125.38

INCLUDES RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)

FIP Union × Push*			200 PSI/200 F Max
3/4"	H-65443WPR	1/10	\$136.60

INCLUDES LEAD FREE RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)

FIP Union × Push*			200 PSI/200 F Max
3/4"	H-65443WPR-LF	1/10	\$145.63

INCLUDES COMMERCIAL GRADE PRESSURE RELIEF VALVE (150 PSI/2.7M BTU) & CLOSE NIPPLE

FIP Union × FIP			500 WOG
3/4"	H-45443WPR2	1/10	\$181.03
FIP Union × SWT			500 WOG
3/4"	H-55443WPR2	1/10	\$181.03

*SERVICE VALVES CERTIFIED TO ASSE 1061, NSF-14

The ISOLATOR[®] E·X·P[™] TWH SERVICE VALVES

RECESSED BOXES

AVAILABLE W/
**PRO-CONNECT
PROPUSH**



THE ISOLATOR E-X-P E2 TANKLESS WATER HEATER SERVICE VALVE KIT

Hot & Cold Set of Full Port Forged Brass Ball Valves w/ Hi-Flow Hose Drains, Pressure Relief Valve Outlet, & Adjustable Packing Glands

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP Union × FIP			500 WOG
3/4"	H-44443WPR	1/10	\$109.94
1"	H-44444WPR	1/10	\$186.67

INCLUDES RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)

FIP Union × SWT			500 WOG
3/4"	H-54443WPR	1/10	\$109.94
1"	H-54444WPR	1/10	\$186.67

FIP Union × Press			250 CWP/250 F Max
3/4"	H-84443WPR	1/10	\$123.74
1"	H-84444WPR	1/10	\$210.06

FIP Union × Push*			200 PSI/200 F Max
3/4"	H-64443WPR	1/10	\$123.74

INCLUDES LEAD FREE RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)

FIP Union × FIP			500 WOG
3/4"	H-44443WPR-LF	1/10	\$118.97
1"	H-44444WPR-LF	1/10	\$195.70

FIP Union × SWT			500 WOG
3/4"	H-54443WPR-LF	1/10	\$118.97
FIP Union × Press			250 CWP/250 F Max
3/4"	H-84443WPR-LF	1/10	\$132.77
1"	H-84444WPR-LF	1/10	\$219.09

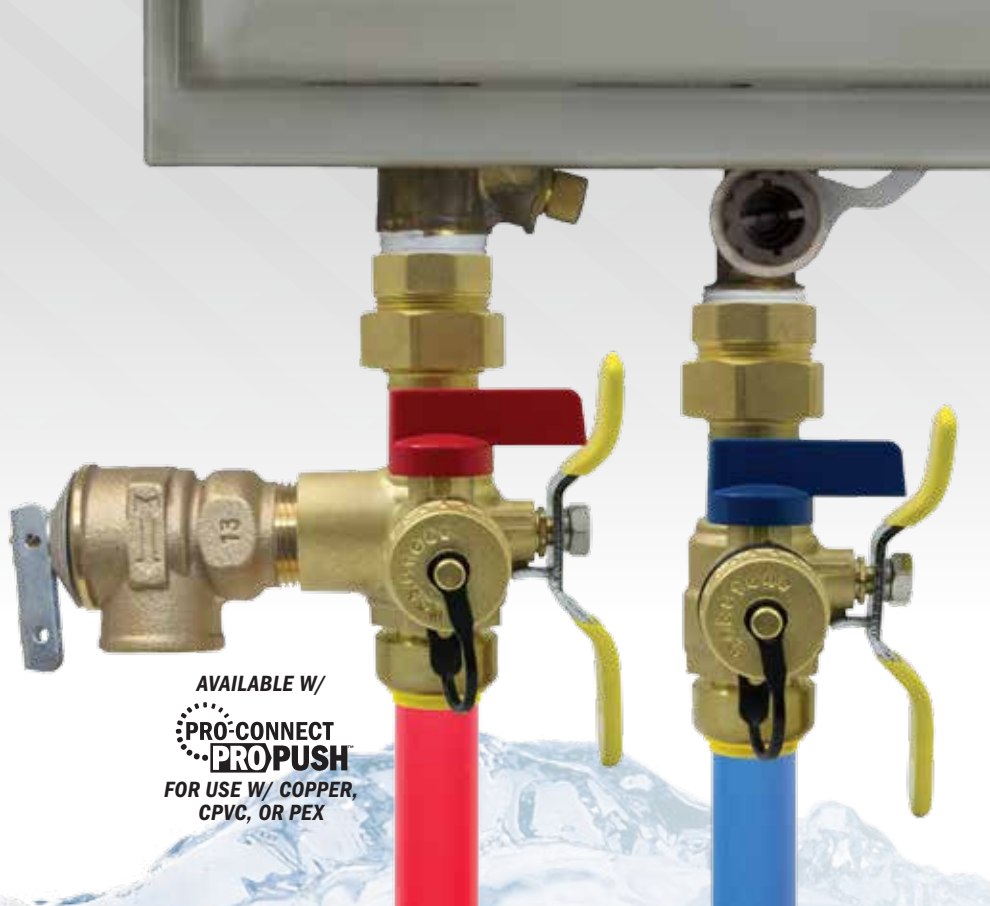
FIP Union × Push*			200 PSI/200 F Max
3/4"	H-64443WPR-LF	1/10	\$132.77

INCLUDES COMMERCIAL GRADE PRESSURE RELIEF VALVE (150 PSI/2.7M BTU) & CLOSE NIPPLE

FIP Union × FIP			500 WOG
3/4"	H-44443WPR2	1/10	\$165.60
1"	H-44444WPR2	1/10	\$242.32

FIP Union × SWT			500 WOG
3/4"	H-54443WPR2	1/10	\$165.60
1"	H-54444WPR2	1/10	\$242.32
FIP Union × Press			250 CWP/250 F Max
3/4"	H-84443WPR2	1/10	\$179.40
1"	H-84444WPR2	1/10	\$265.71

*SERVICE VALVES CERTIFIED TO ASSE 1061, NSF-14



AVAILABLE W/
**PRO-CONNECT
 PROPUSH**
 FOR USE W/ COPPER,
 CPVC, OR PEX

The **ISOLATOR**
E·X·P
 TWH SERVICE VALVES
COMPLETE



THE ISOLATOR E-X-P COMPLETE TANKLESS WATER HEATER INSTALLATION KIT

Includes E-X-P/E2/E3 Service Valves
 w/ Residential Pressure Relief Valve (150 PSI/200,000 BTU)
 3/4 CGA Gas Ball Valve (175 WOG), & 24" x 3/4" Gas Flex Line

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	ITEM #	CTN/CASE	LIST PRICE
THE ISOLATOR E-X-P			
FIP Union x FIP			600 WOG
3/4"	H-40443WCOM	1/4	\$226.50
SWT x FIP Union			600 WOG
3/4"	H-50443WCOM	1/4	\$226.50
THE ISOLATOR E-X-P E2			
FIP Union x FIP			500 WOG
3/4"	H-44443WCOM	1/4	\$158.75
FIP Union x SWT			500 WOG
3/4"	H-54443WCOM	1/4	\$158.75
THE ISOLATOR E-X-P E3			
FIP Union x FIP			500 WOG
3/4"	H-45443WCOM	1/4	\$174.19
FIP Union x SWT			500 WOG
3/4"	H-55443WCOM	1/4	\$174.19

PRESSURE RELIEF VALVES

STANDARD BRASS



SIZE	ITEM #	CTN/CASE	LIST PRICE
RESIDENTIAL PRESSURE RELIEF VALVE			
150 PSI/200,000 BTU			
3/4"	H-20713	1/100	\$13.15
30 PSI/510,000 BTU			
3/4"	H-20733	1/100	\$23.27
COMMERCIAL GRADE PRESSURE RELIEF VALVE (REQUIRES CLOSE NIPPLE # 29003)			
150 PSI/2.7M BTU			
3/4"	H-20723	1/24	\$65.29
Close Nipple			
3/4"	H-29003	1/100	\$3.51

CERTIFICATIONS DO NOT APPLY TO 29003 & 29003W

LEAD-FREE BRASS

AB 1953 (CA), S.152 (VT), 372 (MD)

SIZE	ITEM #	CTN/CASE	LIST PRICE
150 PSI/200,000 BTU			
3/4"	H-20713W	1/100	\$22.18
30 PSI/510,000 BTU			
3/4"	-	-	-
COMMERCIAL GRADE PRESSURE RELIEF VALVE (REQUIRES CLOSE NIPPLE # 29003)			
150 PSI/2.7M BTU			
3/4"	-	-	-
Close Nipple			
3/4"	H-29003W	1/100	\$3.51



THE ISOLATOR E-X-P PRESSURE RELIEF VALVE RELOCATION ADAPTER

For Recessed Boxes, Tight or Unique Installations

LEAD-FREE BRASS

Certified to NSF/ANSI 61-G

SIZE	ITEM #	CTN/CASE	LIST PRICE
Fits E-X-P E2			
3/4"	H-28023W	10/100	\$15.44

WALL HUNG & COMBI BOILER INSTALLATIONS

- PR3 Kits **A** include a 30 PSI/510,000 BTU Pressure Relief Valve suitable for boiler heat connections
- Pair with **B** E2 or E3 Tankless Water Heater Kit, which includes a 150 PSI Pressure Relief Valve suitable for combi boiler domestic hot water connections

WALL HUNG & COMBI BOILER SERVICE VALVE KIT

Hot & Cold Set of Full Port Forged Brass Ball Valves w/ Hi-Flow Hose Drains, Pressure Relief Valve Outlet, & Adjustable Packing Glands
 Includes Residential Pressure Relief Valve (30 PSI/510,000 BTU)

500 WOG

STANDARD BRASS

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP Union x FIP			
3/4"	-	-	-
1"	H-44444PR3	1/10	\$169.94
FIP Union x SWT			
3/4"	-	-	-
1"	-	-	-
3/4"	H-54443WPR3	1/10	\$120.07
1"	H-54444WPR3	1/10	\$196.80
FIP Union x Press			
3/4"	-	-	-
1"	-	-	-
3/4"	H-84443WPR3	1/10	\$133.87
1"	H-84444WPR3	1/10	\$220.19
INCLUDES ADJUSTABLE PRESSURE RELIEF VALVE OUTLET			
FIP Union x FIP			500 WOG
3/4"	H-45443WPR3	1/10	\$135.51
FIP Union x SWT			500 WOG
3/4"	H-55443WPR3	1/10	\$135.51

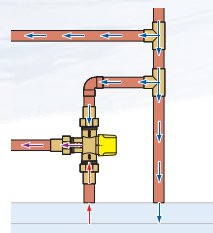


THERMOSTATIC MIXING VALVES



- Heavy Duty Forged Brass Construction
- Output Range 95–131°F or 95–120°F
- Available w/ Integral Check Valves on inlets
- MIP, SWT, Compression, PEX, or Press Connections
- Sizes 3/8" – 1"
- Union connections on most models simplify installation and maintenance
- 95–131°F models feature a temperature locking handle to ensure appropriate output range

APPLICATIONS:



WATER DISTRIBUTION SYSTEMS

Install at water heater to set the maximum temperature for entire system

APPLICATION:	LOW-TEMPERATURE HYDRONIC		WATER DISTRIBUTION SYSTEMS				POINT OF USE SINGLE OR MULTI FIXTURE		POINT OF USE SINGLE ONLY
TEMP RANGE:	95–131°F (35–55°C)		95–131°F (35–55°C)		95–120°F (35–49°C)		95–131°F (35–55°C)		95–120°F (35–49°C)
	NO CHECK	W/ CHECK	NO CHECK	W/ CHECK	NO CHECK	W/ CHECK	W/ CHECK	W/ CHECK	W/ CHECK
Compression	-	-	-	-	-	-	-	-	-
MIP	7410W	7420W	7410W	7420W	7410W-CAN	7420W-CAN	7420W	7420W-CAN	-
SWT	7510W	7520W	7510W	7520W	7510W-CAN	7520W-CAN	7520W	7520W-CAN	-
PEX	7310W	7320W	7310W	7320W	7310W-CAN	7320W-CAN	-	-	-
Press	7810W	7820W	7810W	7820W	7810W-CAN	7820W-CAN	-	-	-

THERMOSTATIC MIXING VALVE

Forged Brass Valve • Lead-Free

OUTLET TEMPERATURE RANGE 95–131°F

Certified to NSF/ANSI 61 & 372, ASSE 1017, CSA B125.3

SIZE	ITEM #	CTN/CASE	LIST PRICE
MIP			
1/2"	H-74102W	1/10	\$107.13
3/4"	H-74103W	1/10	\$113.45
1"	H-74104W	1/10	\$162.43
SWT			
1/2"	H-75102W	1/10	\$107.13
3/4"	H-75103W	1/10	\$113.45
1"	H-75104W	1/10	\$162.43

OUTLET TEMPERATURE RANGE 95–120°F

Certified to NSF/ANSI 61 & 372, ASSE 1017, CSA B125.3

SIZE	ITEM #	CTN/CASE	LIST PRICE
MIP			
1/2"	H-74102W-CAN	1/10	\$107.13
3/4"	H-74103W-CAN	1/10	\$113.45
1"	H-74104W-CAN	1/10	\$162.43
SWT			
1/2"	H-75102W-CAN	1/10	\$107.13
3/4"	H-75103W-CAN	1/10	\$113.45
1"	H-75104W-CAN	1/10	\$162.43

ASTM F1807 PEX

SIZE	ITEM #	CTN/CASE	LIST PRICE
1/2"	H-73102W	1/10	\$107.13
3/4"	H-73103W	1/10	\$113.45
Press			
1/2"	H-78102W	1/10	\$126.32
3/4"	H-78103W	1/10	\$139.79
1"	H-78104W	1/10	\$192.56

THERMOSTATIC MIXING VALVE W/ INTEGRAL CHECK VALVE

Forged Brass Valve • Lead-Free

OUTLET TEMPERATURE RANGE 95–131°F

Certified to NSF/ANSI 61 & 372, ASSE 1070, ASSE 1017, CSA B125.3

SIZE	ITEM #	CTN/CASE	LIST PRICE
Compression			
3/8"	H-74401W	1/10	\$98.25
MIP			
1/2"	H-74202W	1/10	\$145.73
3/4"	H-74203W	1/10	\$149.33
1"	H-74204W	1/10	\$185.38
SWT			
1/2"	H-75202W	1/10	\$145.73
3/4"	H-75203W	1/10	\$149.33
1"	H-75204W	1/10	\$185.38

OUTLET TEMPERATURE RANGE 95–120°F

Certified to NSF/ANSI 61 & 372, ASSE 1070, ASSE 1017, CSA B125.3

SIZE	ITEM #	CTN/CASE	LIST PRICE
Compression			
3/8"	-	-	-
MIP			
1/2"	H-74202W-CAN	1/10	\$145.73
3/4"	H-74203W-CAN	1/10	\$149.33
1"	H-74204W-CAN	1/10	\$185.38
SWT			
1/2"	H-75202W-CAN	1/10	\$145.73
3/4"	H-75203W-CAN	1/10	\$149.33
1"	H-75204W-CAN	1/10	\$185.38

OUTLET TEMPERATURE RANGE 95–131°F

Certified to NSF/ANSI 61 & 372, ASSE 1017, CSA B125.3

SIZE	ITEM #	CTN/CASE	LIST PRICE
ASTM F1807 PEX			
1/2"	H-73202W	1/10	\$145.73
3/4"	H-73203W	1/10	\$149.33
Press			
1/2"	H-78202W	1/10	\$161.68
3/4"	H-78203W	1/10	\$180.63
1"	H-78204W	1/10	\$228.40

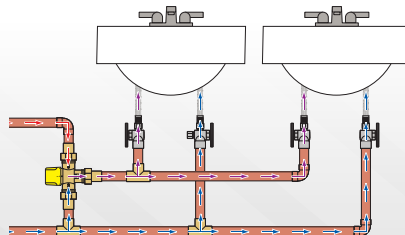
OUTLET TEMPERATURE RANGE 95–120°F

Certified to NSF/ANSI 61 & 372, ASSE 1017, CSA B125.3

SIZE	ITEM #	CTN/CASE	LIST PRICE
ASTM F1807 PEX			
1/2"	H-73202W-CAN	1/10	\$145.73
3/4"	H-73203W-CAN	1/10	\$149.33
Press			
1/2"	H-78202W-CAN	1/10	\$161.68
3/4"	H-78203W-CAN	1/10	\$180.63
1"	H-78204W-CAN	1/10	\$228.40

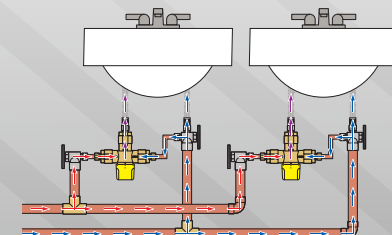
POINT OF USE - MULTI FIXTURE

Set the maximum temperature for a group of fixtures



POINT OF USE - SINGLE FIXTURE

Set the maximum temperature of each fixture individually



PRO-CONNECT PRESS

AIR SEPARATOR

KNOCKING PIPES
ARE **NOT NORMAL**

- Reduces noise
- Improves system efficiency and operation
- Reduces wear on system components
- Requires no regular maintenance
- Fewer call backs

AVAILABLE IN
**PRO-CONNECT
PRESS**

**IDEAL FOR
USE WITH**

**PRO-PAL
SERIES**

**EXPANSION TANK
VALVE**

FORGED BRASS AIR SEPARATOR

w/ Removable Vent Head & Coalescing Medium

STANDARD BRASS			
SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			150 PSI
3/4"	H-74003	1/10	\$91.12
1"	H-74004	1/10	\$128.18
1 1/4"	H-74005	1/10	\$166.92
1 1/2"	H-74006	1/10	\$231.97
2"	H-74007	1/10	\$285.89
SWT			150 PSI
3/4"	H-75003	1/10	\$91.12
1"	H-75004	1/10	\$128.18
1 1/4"	H-75005	1/10	\$166.92
1 1/2"	H-75006	1/10	\$231.97
2"	H-75007	1/10	\$285.89
Press			150 PSI
3/4"	H-78003	1/10	\$102.45
1"	H-78004	1/10	\$144.22
1 1/4"	H-78005	1/10	\$202.39
1 1/2"	H-78006	1/10	\$288.74
2"	H-78007	1/10	\$345.26

REPLACEMENT VENT ASSEMBLY

SIZE	ITEM #	CTN/CASE	LIST PRICE
FITS 3/4"-2" AIR SEPARATOR	H-74000	1/50	\$30.50

VALVE ACCESSORIES



BRONZE WYE STRAINER

20 Mesh Screen

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			300 WOG/150 WSP
1/2"	H-10562	12/60	\$25.88
3/4"	H-10563	8/48	\$36.72
1"	H-10564	8/32	\$57.44
1 1/4"	H-10565	8/32	\$84.57
1 1/2"	H-10566	2/16	\$112.04
2"	H-10567	2/8	\$172.65



STAINLESS STEEL LIQUID FILLED DUAL SCALE PRESSURE GAUGE

2" Dial w/ Center Back Connection

SIZE	ITEM #	CTN/CASE	LIST PRICE
NPT			30 PSI
1/4"	H-31000	1/100	\$33.35

ADD-A-GAUGE

**TO ANY STANDARD HOSE
CONNECTION IN JUST MINUTES**

PATENTS PENDING

- Utilize any hose connection as a gauge port
- Suitable for temporary or permanent gauge installation
- Works with temperature and/or pressure gauges



ADD-A-GAUGE TOOL

Forged Brass Hose Fitting

LEAD-FREE BRASS			
SIZE	ITEM #	CTN/CASE	LIST PRICE
W/ 1/8" BLEEDER (CAPPED) FOR CONNECTION TO PRESSURE GAUGE			
Hose x FIP Union			250 PSI
3/4" x 1/4"	H-30000W-P	10/100	\$8.43
W/ 1/8" BLEEDER (CAPPED) FOR CONNECTION TO TEMPERATURE/PRESSURE GAUGE			
Hose x FIP Union			250 PSI
3/4" x 1/2"	H-30000W-TP	10/100	\$8.43

BALL VALVES

PATENTS PENDING

FULL PORT FORGED BRASS BALL VALVE

w/ Adjustable Packing Gland

STANDARD BRASS

Certified to NSF/ANSI 61-8

SIZE ITEM # CTN/CASE LIST PRICE

FIP

w/ Chrome Plated Lever Handle

SIZE	ITEM #	CTN/CASE	LIST PRICE	600 WOG/150 WSP(400 WOG/125 WSP 2½-4")
1/4"	H-41700	10/100	\$6.79	H-41700W 10/100 \$9.04
3/8"	H-41701	10/100	\$6.79	H-41701W 10/100 \$9.04
1/2"	H-41702	10/80	\$6.41	H-41702W 10/80 \$8.29
3/4"	H-41703	10/60	\$9.44	H-41703W 10/60 \$12.00
1"	H-41704	6/36	\$18.99	H-41704W 6/36 \$19.88
1 1/4"	H-41705	6/24	\$28.38	H-41705W 6/24 \$33.73
1 1/2"	H-41706	2/16	\$44.48	H-41706W 2/16 \$53.80
2"	H-41707	2/12	\$64.69	H-41707W 2/12 \$80.57
2 1/2"	H-41708	1/6	\$138.54	H-41708W 1/6 \$174.56
3"	H-41709	1/4	\$201.06	H-41709W 1/4 \$270.57
4"	H-41710	1/2	\$325.26	H-41710W 1/2 \$415.49

CERTIFICATIONS DO NOT APPLY TO 41708, 41709, 41710

w/ 304 Stainless Steel Handle

SIZE	ITEM #	CTN/CASE	LIST PRICE	600 WOG/150 WSP
1/2"	H-41702SSL	10/80	\$9.93	H-41702WSSL 10/80 \$11.81
3/4"	H-41703SSL	10/60	\$12.97	H-41703WSSL 10/60 \$15.52
1"	H-41704SSL	6/36	\$22.51	H-41704WSSL 6/36 \$23.40
1 1/4"	H-41705SSL	6/24	\$31.91	H-41705WSSL 6/24 \$37.26
1 1/2"	H-41706SSL	2/16	\$50.96	H-41706WSSL 2/16 \$60.29
2"	H-41707SSL	2/12	\$71.18	H-41707WSSL 2/12 \$87.05

w/ Wing Style "T" Handle

SIZE	ITEM #	CTN/CASE	LIST PRICE	600 WOG/150 WSP
1/2"	H-41702T	10/80	\$7.95	H-41702WT 10/80 \$9.83
3/4"	H-41703T	10/60	\$10.99	H-41703WT 10/60 \$13.54
1"	H-41704T	6/36	\$20.53	H-41704WT 6/36 \$21.42

w/ 304 Stainless Steel Wing Style "T" Handle

SIZE	ITEM #	CTN/CASE	LIST PRICE	600 WOG/150 WSP
1/2"	H-41702SSW	10/80	\$9.93	H-41702WSSW 10/80 \$11.81
3/4"	H-41703SSW	10/60	\$12.97	H-41703WSSW 10/60 \$15.52
1"	H-41704SSW	6/48	\$22.51	H-41704WSSW 6/48 \$23.40

STANDARD BRASS

Certified to NSF/ANSI 61-8

SIZE ITEM # CTN/CASE LIST PRICE

SWT

w/ Chrome Plated Lever Handle

SIZE	ITEM #	CTN/CASE	LIST PRICE	600 WOG/150 WSP(400 WOG/125 WSP 2½-4")
1/2"	H-51702	10/100	\$6.41	H-51702W 10/80 \$8.29
3/4"	H-51703	10/60	\$9.44	H-51703W 10/60 \$12.00
1"	H-51704	6/36	\$18.99	H-51704W 6/36 \$19.88
1 1/4"	H-51705	6/24	\$28.38	H-51705W 6/24 \$33.73
1 1/2"	H-51706	2/16	\$44.48	H-51706W 2/16 \$53.80
2"	H-51707	2/12	\$64.69	H-51707W 2/12 \$80.57
2 1/2"	H-51708	1/8	\$138.54	H-51708W 1/6 \$174.56
3"	H-51709	1/3	\$201.06	H-51709W 1/4 \$270.57
4"	H-51710	1/2	\$325.26	H-51710W 1/2 \$415.49

CERTIFICATIONS DO NOT APPLY TO 51708, 51709W, 51709, 51709W

w/ 304 Stainless Steel Handle

SIZE	ITEM #	CTN/CASE	LIST PRICE	600 WOG/150 WSP
1/2"	H-51702SSL	10/80	\$9.93	H-51702WSSL 10/80 \$11.81
3/4"	H-51703SSL	10/60	\$12.97	H-51703WSSL 10/60 \$15.52
1"	H-51704SSL	6/36	\$22.51	H-51704WSSL 6/36 \$23.40
1 1/4"	H-51705SSL	6/24	\$31.91	H-51705WSSL 6/24 \$37.26
1 1/2"	H-51706SSL	2/24	\$50.96	H-51706WSSL 2/16 \$60.29
2"	H-51707SSL	2/12	\$71.18	H-51707WSSL 2/12 \$87.05

w/ Wing Style "T" Handle

SIZE	ITEM #	CTN/CASE	LIST PRICE	600 WOG/150 WSP
1/2"	H-51702T	10/80	\$7.95	H-51702WT 10/80 \$9.83
3/4"	H-51703T	10/60	\$10.99	H-51703WT 10/60 \$13.54
1"	H-51704T	6/36	\$20.53	H-51704WT 6/36 \$21.42

w/ 304 Stainless Steel Wing Style "T" Handle

SIZE	ITEM #	CTN/CASE	LIST PRICE	600 WOG/150 WSP
1/2"	H-51702SSW	10/80	\$9.93	H-51702WSSW 10/80 \$11.81
3/4"	H-51703SSW	10/60	\$12.97	H-51703WSSW 10/60 \$15.52
1"	H-51704SSW	6/36	\$22.51	H-51704WSSW 6/36 \$23.40

STANDARD BRASS

Certified to NSF/ANSI 61

SIZE ITEM # CTN/CASE LIST PRICE

PRESS

SIZE	ITEM #	CTN/CASE	LIST PRICE	250 CWP/250 F MAX
1/2"	H-81702	5/50	\$20.40	H-81702W 5/50 \$21.33
3/4"	H-81703	5/40	\$24.98	H-81703W 5/40 \$27.56
1"	H-81704	4/20	\$37.89	H-81704W 4/20 \$40.35
1 1/4"	H-81705	5/20	\$61.24	H-81705W 5/20 \$67.37
1 1/2"	H-81706	4/16	\$85.38	H-81706W 4/16 \$93.33
2"	H-81707	2/8	\$132.51	H-81707W 2/8 \$143.27
2 1/2"	-	-	-	H-81708W 1/1 \$273.12
3"	-	-	-	H-81709W 1/1 \$379.88
4"	-	-	-	H-81710W 1/1 \$651.37

LEAD-FREE BRASS

Certified to NSF/ANSI 61-G

ITEM # CTN/CASE LIST PRICE

ITEM #	CTN/CASE	LIST PRICE
H-81702W	5/50	\$21.33
H-81703W	5/40	\$27.56
H-81704W	4/20	\$40.35
H-81705W	5/20	\$67.37
H-81706W	4/16	\$93.33
H-81707W	2/8	\$143.27
H-81708W	1/1	\$273.12
H-81709W	1/1	\$379.88
H-81710W	1/1	\$651.37

PRO-CONNECT PRO-PUSH BALL VALVE

Full Port Forged Dezincification Resistant Brass w/ Adjustable Packing Gland - For Connection to Copper, CPVC, or PEX - Lead-Free

INDIVIDUALLY PACKED

Certified to NSF/ANSI 61-G, NSF/ANSI-14, IAPMO/ANSI Z1157

SIZE ITEM # CTN/CASE LIST PRICE

Push

SIZE	ITEM #	CTN/CASE	LIST PRICE
1/2"	H-62702W	10/100	\$14.97
3/4"	H-62703W	10/100	\$21.45
1"	H-62704W	5/50	\$34.18

BULK PACKED

Certified to NSF/ANSI 61-G, NSF/ANSI-14, IAPMO/ANSI Z1157

ITEM # BOX/CASE LIST PRICE

ITEM #	BOX/CASE	LIST PRICE
H-62702W-B	12/72	\$14.97
H-62703W-B	12/48	\$21.45
H-62704W-B	6/24	\$34.18

PRO-CONNECT
PP-R PRO
EXCLUSIVELY FOR
aquatherm

PRO-CONNECT PP-R PRO BALL VALVE

Full Port Forged Brass Ball Valve w/ Adjustable Packing Gland

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE SOCKET I.D. ITEM# CTN/CASE LIST PRICE

Female PP-R Metric Socket

355 PSI*

SIZE	SOCKET I.D.	ITEM#	CTN/CASE	LIST PRICE
1/2"	20 mm	H-91702W	5/50	\$24.56
3/4"	25 mm	H-91703W	5/40	\$35.49
1"	32 mm	H-91704W	4/20	\$54.41
1 1/4"	40 mm	H-91705W	5/20	\$85.50
1 1/2"	50 mm	H-91706W	4/16	\$123.58
2"	63 mm	H-91707W	2/8	\$180.54

Female PP-R Metric Socket x FIP

355 PSI*

SIZE	SOCKET I.D.	ITEM#	CTN/CASE	LIST PRICE
1/2"	20 mm	H-94702W	5/50	\$24.56
3/4"	25 mm	H-94703W	5/40	\$35.49
1"	32 mm	H-94704W	4/20	\$54.41
1 1/4"	40 mm	H-94705W	5/20	\$85.50
1 1/2"	50 mm	H-94706W	4/16	\$123.58
2"	63 mm	H-94707W	2/8	\$180.54

*OVERALL VALVE PRESSURE RATING AT 73° F. FURTHER RESTRICTIONS DETERMINED BY INTENDED OPERATING CONDITIONS AND LIMITATIONS SPECIFIC TO THE SYSTEM DESIGN. MAXIMUM PRESSURE RATING FOR SEAT & BODY ALONE IS 600 PSI.

PRO-CONNECT
PP-R PRO

PRO-CONNECT PP-R PRO BALL VALVE

Full Port Forged Brass Ball Valve w/ Adjustable Packing Gland

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE SOCKET I.D. ITEM# CTN/CASE LIST PRICE

Female PP-RCT Metric Socket

600 PSI*

SIZE	SOCKET I.D.	ITEM#	CTN/CASE	LIST PRICE
1/2"	20 mm	H-101702W	5/50	\$24.56
3/4"	25 mm	H-101703W	5/40	\$35.49
1"	32 mm	H-101704W	4/20	\$54.41
1 1/4"	40 mm	H-101705W	5/20	\$85.50
1 1/2"	50 mm	H-101706W	4/16	\$123.58
2"	63 mm	H-101707W	2/8	\$180.54

Female PP-RCT Metric Socket x FIP

600 PSI*

SIZE	SOCKET I.D.	ITEM#	CTN/CASE	LIST PRICE
1/2"	20 mm	H-104702W	5/50	\$24.56
3/4"	25 mm	H-104703W	5/40	\$35.49
1"	32 mm	H-104704W	4/20	\$54.41
1 1/4"	40 mm	H-104705W	5/20	\$85.50
1 1/2"	50 mm	H-104706W	4/16	\$123.58
2"	63 mm	H-104707W	2/8	\$180.54

*VALVE SEAT/BODY MAXIMUM PRESSURE RATING AT 100° F. OVERALL VALVE PRESSURE RATING IS DETERMINED BY INTENDED OPERATING CONDITIONS AND LIMITATIONS SPECIFIC TO THE SYSTEM DESIGN.

PRO-CONNECT
PRESS

PRO-CONNECT
PRO-PUSH

BALL VALVES

FORGED BRASS BALL VALVE

w/ Bleeder, Reversible Handle, & Adjustable Packing Gland

LEAD-FREE BRASS

Certified to NSF/ANSI 61-G

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP		600 WOG/150 WSP	
1/2"	H-40622W	15/120	\$13.13
3/4"	H-40623W	12/48	\$18.94
1"	H-40624W	8/32	\$29.68
SWT		600 WOG/150 WSP	
1/2"	H-50622W	25/100	\$13.13
3/4"	H-50623W	10/40	\$18.94
1"	H-50624W	6/24	\$29.68

FULL PORT FORGED BRASS BALL VALVE

w/ Cap & Strap, Reversible Handle, & Adjustable Packing Gland

LEAD-FREE BRASS

Certified to NSF/ANSI 61-G

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP x Hose		600 WOG/150 WSP	
1/2" x 3/4"	H-40312W	10/60	\$14.07
3/4"	H-40313W	10/60	\$19.23
SWT x Hose		600 WOG/150 WSP	
1/2" x 3/4"	H-50312W	10/100	\$14.07
3/4"	H-50313W	10/60	\$19.23

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	ITEM #	CTN/CASE	LIST PRICE
Press x Hose		250 CWP/250 F Max	
1/2" x 3/4"	H-80312W	5/50	\$31.02
3/4"	H-80313W	5/40	\$39.49

FORGED BRASS BALL VALVE

w/ Compression Ends & Adjustable Packing Gland

LEAD-FREE BRASS

Certified to NSF/ANSI 61-G

SIZE	ITEM #	CTN/CASE	LIST PRICE
Compression		600 WOG/150 WSP	
1/2"	H-40632W	25/100	\$15.06
3/4"	H-40633W	15/60	\$23.25
1"	H-40634W	10/40	\$35.95

FULL PORT FORGED BRASS BALL VALVE

w/ 1/4" Threaded Gauge Hole (Plugged), Reversible Handle, & Adjustable Packing Gland

STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP		600 WOG/150 WSP	
1/2"	H-41722	10/80	\$11.28
3/4"	H-41723	10/60	\$15.23
1"	H-41724	6/48	\$22.99
1 1/4"	H-41725	4/32	\$35.75
1 1/2"	H-41726	2/24	\$55.13
2"	H-41727	2/16	\$78.45

FULL PORT FORGED BRASS BALL VALVE

w/ Reversible Handle & Adjustable Packing Gland

LEAD-FREE BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
MIP x FIP		600 WOG/150 WSP	
1/4"	H-40530W	12/96	\$8.07
3/8"	H-40531W	12/96	\$8.07
1/2"	H-40532W	12/96	\$11.25
3/4"	H-40533W	10/60	\$16.34
1"	H-40534W	6/48	\$26.31

FULL PORT FORGED BRASS BALL VALVE

3 Way L-Port w/ Reversible Handle & Adjustable Packing Gland

STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP		600 WOG/150 WSP	
1/2"	H-40642	15/60	\$11.95
3/4"	H-40643	10/40	\$17.78
1"	H-40644	6/24	\$29.92

FULL PORT NICKEL PLATED FORGED BRASS BALL VALVE

w/ 304 Stainless Steel Lever Handle & Adjustable Packing Gland

LEAD-FREE BRASS

Certified to NSF/ANSI 61-G

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP		600 WOG/150 WSP	
1/4"	H-40800W	20/120	\$9.04
3/8"	H-40801W	20/120	\$9.04
1/2"	H-40802W	20/120	\$10.65
3/4"	H-40803W	14/84	\$15.61
1"	H-40804W	8/48	\$25.90
1 1/4"	H-40805W	6/36	\$35.10
1 1/2"	H-40806W	4/24	\$56.43
2"	H-40807W	2/16	\$81.32

STANDARD PORT FORGED BRASS BALL VALVE

w/ Adjustable Packing Gland

STANDARD BRASS

LEAD-FREE BRASS

Certified to NSF/ANSI 61-G

SIZE	ITEM #	CTN/CASE	LIST PRICE	ITEM #	CTN/CASE	LIST PRICE
FIP					600 WOG/125 WSP	
1/4"	H-41820	10/120	\$6.46	H-41820W	10/120	\$7.81
3/8"	H-41821	10/120	\$6.46	H-41821W	10/120	\$7.81
1/2"	H-41822	10/120	\$7.04	H-41822W	10/120	\$7.90
3/4"	H-41823	10/80	\$9.04	H-41823W	10/80	\$10.17
1"	H-41824	6/48	\$16.50	H-41824W	6/48	\$19.56
1 1/4"	H-41825	4/32	\$22.60	H-41825W	4/32	\$28.24
1 1/2"	H-41826	2/24	\$33.39	H-41826W	2/24	\$40.96
2"	H-41827	2/16	\$48.04	H-41827W	2/16	\$60.84
2 1/2"	H-41828	2/4	\$105.17	H-41828W	2/4	\$128.90
3"	H-41829	1/3	\$157.45	H-41829W	1/3	\$197.57
4"	H-41830	1/2	\$257.80	H-41830W	1/2	\$312.61

FULL FLOW FORGED BRASS BALL VALVE

w/ Wing Handle & Adjustable Packing Gland

STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
ASTM F1807 PEX x SWT		160 WOG	
1/2"	H-50682	10/100	\$7.86

FORGED BRASS SILLCOCK

Nickel Plated w/ 1/4 Turn Handle

LEAD-FREE BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP Flange x Hose		125 WOG	
1/2"	H-30202W	12/72	\$11.95
3/4"	H-30203W	12/72	\$16.09

FORGED BRASS HOSE BIBB

w/ Ball Valve Action

LEAD-FREE BRASS

Certified to NSF/ANSI 61-G

SIZE	ITEM #	CTN/CASE	LIST PRICE
MIP x Hose		125 WOG	
1/2"	H-30314W	12/72	\$11.28
3/4"	H-30316W	12/72	\$12.65

1/2" MIP OR SWT x HOSE

FULL FLOW FORGED NICKEL PLATED BRASS SILLCOCK

1/4 Turn Action w/ Stainless Steel Lever Handle

LEAD-FREE BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
ASTM F1960 PEX Flange x MIP Hose		125 WOG	
1/2"	H-33202WSSL	12/72	\$14.04

BRASS HOSE BIBB

No Kink w/ 1/4 Turn Handle

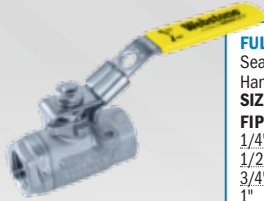
LEAD-FREE BRASS

Certified to NSF/ANSI 61-G

SIZE	ITEM #	CTN/CASE	LIST PRICE
MIP x Hose		125 WOG	
1/2"	H-30218W	12/72	\$6.99
3/4"	H-30219W	12/72	\$7.66

1/2" MIP OR SWT x HOSE

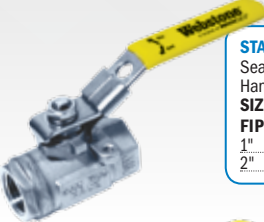
STAINLESS STEEL BALL VALVES



FULL PORT 316 STAINLESS STEEL BALL VALVE

Seal Welded w/ 304 Stainless Steel Locking Handle & Adjustable Packing Gland

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			2000 WOG
1/4"	H-43710	12/48	\$34.82
1/2"	H-43712	10/60	\$35.85
3/4"	H-43713	2/40	\$43.97
1"	H-43714	6/18	\$69.05
2"	H-43717	2/6	\$202.39



STANDARD PORT 316 STAINLESS STEEL BALL VALVE

Seal Welded w/ 304 Stainless Steel Locking Handle & Adjustable Packing Gland

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			2000 WOG
1"	H-43814	9/27	\$82.88
2"	H-43817	2/8	\$212.02



FULL PORT 316 STAINLESS STEEL BALL VALVE

2 Piece Investment Cast w/ 304 Stainless Steel Locking Handle & Adjustable Packing Gland

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			1000 WOG/150 WSP
1/4"	H-43720	2/80	\$27.47
3/8"	H-43721	2/80	\$27.47
1/2"	H-43722	2/60	\$27.47
3/4"	H-43723	2/40	\$37.22
1"	H-43724	2/40	\$56.67
1 1/4"	H-43725	2/30	\$80.04
1 1/2"	H-43726	2/16	\$112.47
2"	H-43727	2/10	\$173.84

W/ 304 STAINLESS STEEL OVAL HANDLE

SIZE	ITEM #	CTN/CASE	LIST PRICE
1/2"	H-43722-OH	1/40	\$38.16
3/4"	H-43723-OH	1/30	\$53.61
1"	H-43724-OH	1/20	\$71.92



STANDARD PORT 316 STAINLESS STEEL BALL VALVE

1 Piece Investment Cast w/ 304 Stainless Steel Locking Handle & Adjustable Packing Gland

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			1000 WOG/150 WSP
1/4"	H-43900	4/200	\$20.91
3/8"	H-43901	4/200	\$20.91
1/2"	H-43902	2/100	\$20.91
3/4"	H-43903	2/80	\$27.03
1"	H-43904	2/50	\$38.12
1 1/4"	H-43905	2/40	\$58.40
1 1/2"	H-43906	2/30	\$72.14
2"	H-43907	2/30	\$98.78

FULL PORT 316 STAINLESS STEEL BALL VALVE

3 Piece Investment Cast w/ 304 Stainless Steel Locking Handle & Adjustable Packing Gland

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			1000 WOG/150 WSP
1/2"	H-43702	2/50	\$38.26
3/4"	H-43703	2/40	\$55.22
1"	H-43704	2/30	\$72.09
1 1/4"	H-43705	2/16	\$109.63
1 1/2"	H-43706	2/10	\$148.42
2"	H-43707	2/8	\$221.66

GAS BALL VALVES

FORGED BRASS GAS BALL VALVE

STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			1/2 TO 175 WOG
3/8"	H-22561	12/144	\$4.77
1/2"	H-22562	12/144	\$5.98
3/4"	H-22563	12/144	\$8.38
1"	H-22564	6/72	\$18.12

STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
Flare x FIP			1/2 TO 175 WOG
3/8" x 1/2"	H-22521	10/120	\$12.34
1/2"	H-22522	10/120	\$8.07
5/8" x 3/4"	H-21526	6/96	\$15.44

SIZE	ITEM #	CTN/CASE	LIST PRICE
Flare			1/2 TO 175 WOG
3/8"	H-21550	12/144	\$10.84
1/2"	H-21551	12/144	\$10.84

CERTIFICATIONS DO NOT APPLY TO 21550

SIZE	ITEM #	CTN/CASE	LIST PRICE
Flare x MIP			1/2 TO 175 WOG
3/8" x 1/2"	H-21571	12/144	\$10.84
1/2"	H-21572	12/144	\$10.84



PVC & CPVC BALL VALVES



FULL PORT PVC BALL VALVE

Fits Schedule 40 & 80 Pipe

SIZE	ITEM #	CTN/CASE	LIST PRICE
Socket Ends		230 PSI @ 73.4 F (6" 230 PSI @ 73.4 F)	
1/2"	H-03822	1/195	\$1.64
3/4"	H-03823	1/120	\$2.36
1"	H-03824	1/83	\$3.76
1 1/4"	H-03825	1/56	\$5.35
1 1/2"	H-03826	1/12	\$7.18
2"	H-03827	1/25	\$12.29
2 1/2"	H-03828	1/16	\$30.50
3"	H-03829	1/6	\$42.31
4"	H-03830	1/6	\$90.21
6"	H-03831	1/1	\$293.94

03831 IS GREY

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			230 PSI @ 73.4 F
1/2"	H-03922	1/195	\$1.88
3/4"	H-03923	1/120	\$2.36
1"	H-03924	1/83	\$3.76
1 1/4"	H-03925	1/12	\$5.49
1 1/2"	H-03926	1/36	\$7.66
2"	H-03927	1/25	\$11.76
True Union (Includes FIP & Socket Ends)			230 PSI @ 73.4 F
1/2"	H-04602	1/72	\$4.24
3/4"	H-04603	1/60	\$6.70
1"	H-04604	1/24	\$8.29
1 1/4"	H-04605	1/12	\$13.54
1 1/2"	H-04606	1/12	\$20.05
2"	H-04607	1/12	\$31.20

FULL PORT CPVC BALL VALVE

Fits Schedule 40 & 80 CPVC Tubing

SIZE	ITEM #	CTN/CASE	LIST PRICE
Socket Ends			230 PSI @ 194 F
1/2"	H-03722	1/100	\$7.76
3/4"	H-03723	1/100	\$9.28
1"	H-03724	1/100	\$13.69
1 1/4"	H-03725	1/100	\$18.94
1 1/2"	H-03726	1/48	\$22.89
2"	H-03727	1/24	\$36.74

MINI BALL VALVES



CHROME PLATED EXTRUDED BRASS MINI BALL VALVE

Hex Body

STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
MIP x FIP			110 WOG NON SHOCK
1/8"	H-40790	50/300	\$6.55
1/4"	H-40791	50/300	\$6.55
3/8"	H-40792	50/300	\$6.55
1/2"	H-40798	30/300	\$6.55
FIP			110 WOG NON SHOCK
1/8"	H-40793	12/144	\$6.55
1/4"	H-40794	50/400	\$6.55
3/8"	H-40795	50/300	\$6.55
1/2"	H-40796	5/500	\$7.52
ASTM F1807 PEX			110 WOG NON-SHOCK
1/2"	H-40782	12/144	\$5.83

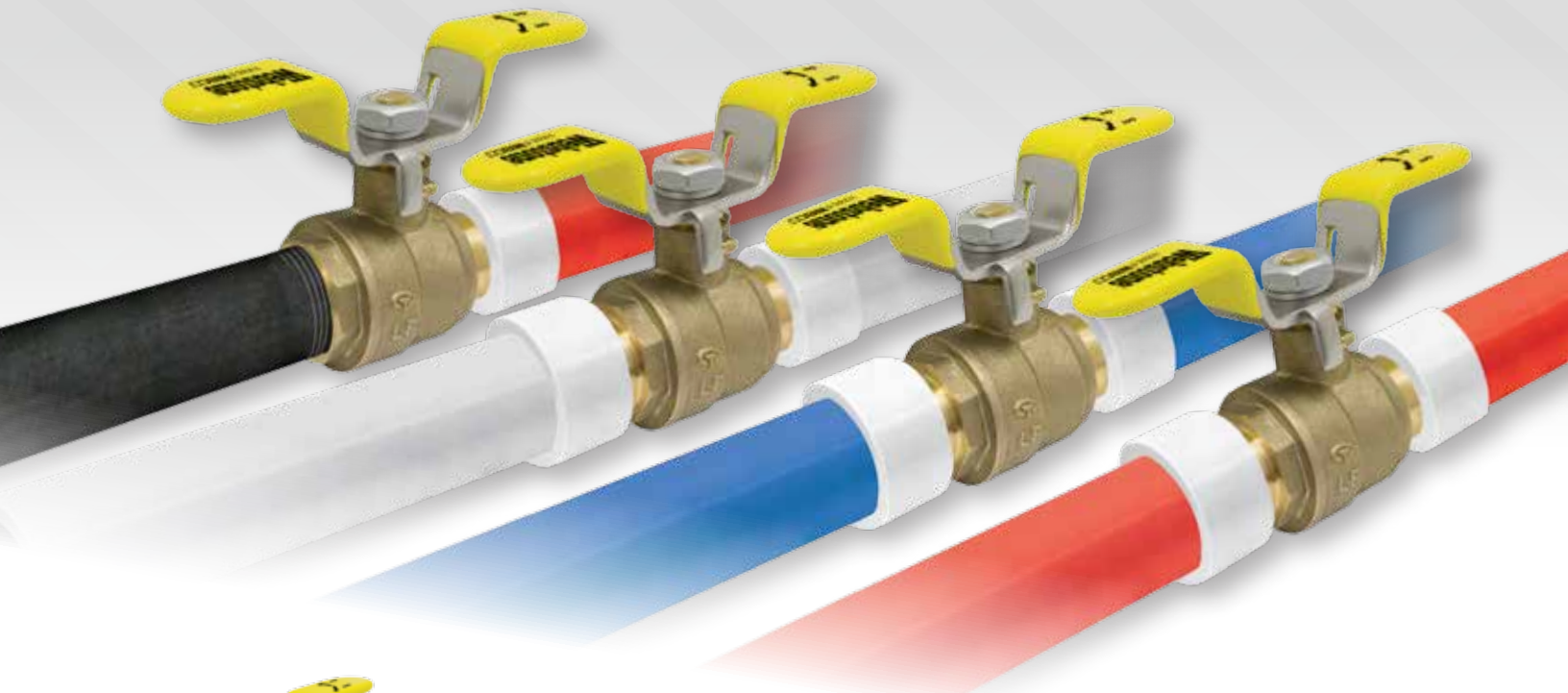
FULL PORT FORGED BRASS BALL VALVE

Pet Cock Style

STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP x MIP			600 WOG/125 WSP
1/8"	H-41685	10/100	\$5.52
1/4" x 1/8"	H-41686	10/100	\$5.52
1/4"	H-41687	10/100	\$5.52
FIP			600 WOG/125 WSP
1/8"	H-41698	10/100	\$5.52
1/4"	H-41699	10/100	\$5.52

PEX PRODUCTS



FULL FLOW FORGED BRASS BALL VALVE
w/ Stainless Steel Wing Style "T" Handle
& Adjustable Packing Gland

LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372,
NSF/ANSI-14 & IAPMO/ANSI Z1157

SIZE	ITEM #	CTN/CASE	LIST PRICE
ASTM F1960 PEX			
1/2"	H-31702WSSW	10/80	\$9.33
3/4"	H-31703WSSW	10/60	\$14.41
1"	H-31704WSSW	6/36	\$22.48
ASTM F1960 PEX x FIP			
1/2"	H-34702WSSW	10/80	\$9.33
3/4"	H-34703WSSW	10/60	\$14.41
1"	H-34704WSSW	6/36	\$22.48

FULL FLOW FORGED NICKEL PLATED BRASS SILLCOCK
1/4 Turn Action w/ Stainless Steel Lever Handle

LEAD-FREE BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
ASTM F1960 PEX Flange x MIP Hose			
1/2"	H-33202WSSL	12/72	\$14.04

CHROME PLATED EXTRUDED BRASS MINI BALL VALVE
Hex Body

STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
ASTM F1807 PEX			
1/2"	H-40782	12/144	\$5.83

FULL FLOW FORGED BRASS BALL VALVE
w/ Wing Handle & Adjustable Packing Gland

STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
ASTM F1807 PEX x SWT			
1/2"	H-50682	10/100	\$7.86

THERMOSTATIC MIXING VALVE

Forged Brass Valve - See Page 16 for application information - **Lead-Free**

OUTLET TEMPERATURE RANGE 95-131° F

Certified to NSF/ANSI 61 & 372,
ASSE 1017, CSA B125.3

SIZE	ITEM #	CTN/CASE	LIST PRICE
ASTM F1807 PEX			
1/2"	H-73102W	1/10	\$107.13
3/4"	H-73103W	1/10	\$113.45

OUTLET TEMPERATURE RANGE 95-120° F

Certified to NSF/ANSI 61 & 372,
ASSE 1017, CSA B125.3

ITEM #	CTN/CASE	LIST PRICE
150 PSI		
H-73102W-CAN	1/10	\$107.13
H-73103W-CAN	1/10	\$113.45

W/ INTEGRAL CHECK VALVE

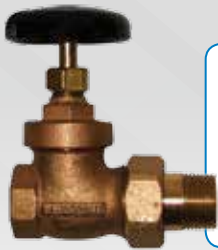
SIZE	ITEM #	CTN/CASE	LIST PRICE
ASTM F1807 PEX			
1/2"	H-73202W	1/10	\$145.73
3/4"	H-73203W	1/10	\$149.33

ITEM #	CTN/CASE	LIST PRICE
150 PSI		
H-73202W-CAN	1/10	\$145.73
H-73203W-CAN	1/10	\$149.33

PRO-CONNECT
PRO-PUSH™

**OVER 200 VALVES & FITTINGS DESIGNED
FOR USE WITH PEX, CPVC & COPPER
SEE PAGE 8-9**

RADIATOR VALVES



BRASS RADIATOR GATE VALVE

w/ Ground Joint Union Nut & Tailpiece

SIZE FIP	ITEM #	STANDARD BRASS	
		CTN/CASE	LIST PRICE
3/4"	H-11523	6/60	125 PSI/15 WSP \$28.57
1"	H-11524	4/36	\$42.45
1 1/4"	H-11525	2/24	\$59.46
1 1/2"	H-11526	3/18	\$75.89



BRASS BALANCING VALVE

w/ Butterfly Action & Screwdriver Slot

SIZE SWT	ITEM #	STANDARD BRASS	
		CTN/CASE	LIST PRICE
3/4"	H-20103	12/72	125 PSI \$7.66



BRASS PURGE & BALANCING VALVE

w/ Butterfly Action & Screwdriver Slot

SIZE SWT × SWT × Hose	ITEM #	STANDARD BRASS	
		CTN/CASE	LIST PRICE
3/4"	H-11603	12/72	125 PSI \$10.31

BRASS STEAM RADIATOR GLOBE VALVE

Angled w/ Ground Joint Union Nut & Tailpiece

SIZE FIP	ITEM #	STANDARD BRASS	
		CTN/CASE	LIST PRICE
3/4"	H-11533	6/48	60 PSI/15 WSP \$22.07
1"	H-11534	4/36	\$29.76
1 1/4"	H-11535	2/24	\$40.60
1 1/2"	H-11536	2/16	\$53.01



BRASS HOT WATER RADIATOR GLOBE VALVE

Angled w/ Ground Joint Union Nut & Tailpiece

SIZE FIP	ITEM #	STANDARD BRASS	
		CTN/CASE	LIST PRICE
3/4"	H-11553	6/60	60 PSI \$18.46
1"	H-11554	4/36	\$30.60
1 1/4"	H-11555	2/24	\$42.53
1 1/2"	H-11556	2/16	\$55.17



BRASS STEAM RADIATOR AIR VENT VALVE

Chrome Plated Float Type — Non Vacuum

	STANDARD BRASS		
SIZE	ITEM #	CTN/CASE	LIST PRICE
ANGLED			
MIP			10 PSI
1/8"	H-11511	12/72	\$12.05
STRAIGHT			
MIP			10 PSI
1/8"	H-11512	12/72	\$11.23
1/4"	H-11513	12/72	\$11.69
ADJUSTABLE ANGLE			
MIP			10 PSI
1/8"	H-11515-A	12/72	\$12.72

BRASS UNION ELBOW & NUT FOR RADIATOR VALVE

Ground Joint Union Connection

SIZE FIP × MIP	ITEM #	STANDARD BRASS	
		CTN/CASE	LIST PRICE
3/4"	H-11533-E	10/100	60 PSI/15 WSP \$12.34
1"	H-11534-E	7/70	\$19.23
1 1/4"	H-11535-E	5/50	\$28.86



BRASS UNION TAILPIECE & NUT FOR RADIATOR VALVE

Ground Joint Nut & Tailpiece

SIZE FIP × MIP	ITEM #	STANDARD BRASS	
		CTN/CASE	LIST PRICE
3/4"	H-11533-T	22/220	60 PSI/15 WSP \$3.06
1"	H-11534-T	16/160	\$4.34
1 1/4"	H-11535-T	10/100	\$6.63



FORGED BRASS AUTO STEAM VENT VALVE

Stainless Steel Check Ball & Spring

SIZE FIP	ITEM #	STANDARD BRASS	
		CTN/CASE	LIST PRICE
1/8"	H-11516	50/500	125 PSI \$10.84
1/4"	H-11517	50/500	\$11.32



BRASS TANK VALVE (GLOBE)

Hard Seat

SIZE MIP	ITEM #	STANDARD BRASS	
		CTN/CASE	LIST PRICE
1/2" × 3/8"	H-11401	6/72	125 PSI \$14.99
MIP × Flare			125 PSI
1/2" × 3/8"	H-11403	6/72	\$15.61



RADIATOR VALVE SPUD WRENCH

SIZE	ITEM #	CTN/CASE	LIST PRICE
1/2 to 2"	H-25011	10/20	\$17.54



BOILER DRAINS

BRASS BOILER DRAIN

LEAD-FREE BRASS

SIZE MIP × Hose	ITEM #	CTN/CASE	LIST PRICE
1/2"	H-11702W	12/72	200 PSI \$8.34
3/4"	H-11703W	12/72	\$8.82



BRASS BOILER DRAIN

w/ Stuffing Box

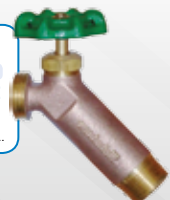
SIZE FIP × Hose	ITEM #	STANDARD BRASS	
		CTN/CASE	LIST PRICE
3/4"	H-11712	12/72	200 PSI \$6.70
SIZE MIP × Hose (Hi-Flow)	ITEM #	LEAD-FREE BRASS	
		CTN/CASE	LIST PRICE
1/2"	H-11700W	12/72	200 PSI \$10.79
3/4"	H-11701W	12/72	\$11.23
SIZE MIP × Hose	ITEM #	LEAD-FREE BRASS	
		CTN/CASE	LIST PRICE
1/2"	H-11704W	12/72	200 PSI \$9.20
3/4"	H-11705W	12/72	\$9.93



BRASS WATER HEATER DRAIN VALVE

LEAD-FREE BRASS

SIZE MIP × Hose	ITEM #	CTN/CASE	LIST PRICE
3/4"	H-11710W	12/72	125 PSI \$11.95



BRASS WATER HEATER DRAIN VALVE

w/ Recirculating Elbow (Tan Handle)

SIZE FIP × FIP × Hose	ITEM #	LEAD-FREE BRASS	
		CTN/CASE	LIST PRICE
3/4"	H-11711W	12/72	125 PSI \$12.48



CHECK VALVES

PRO-CONNECT
PRO-PUSH



PRO-CONNECT PRO-PUSH IN-LINE SPRING CHECK VALVE
Forged Dezincification Resistant Brass Fitting - For Connection to Copper, CPVC or PEX - **Lead-Free**

INDIVIDUALLY PACKED

Certified to NSF/ANSI 61-G & ASSE 1061

SIZE	ITEM #	CTN/CASE	LIST PRICE
Push			
1/2"	-	-	-
3/4"	H-26993W	12/120	\$22.08
1"	-	-	-

BULK PACKED

Certified to NSF/ANSI 61-G & ASSE 1061

ITEM #	BOX/CASE	LIST PRICE
H-26992W-B	6/120	\$19.42
H-26993W-B	6/72	\$22.08
H-26994W-B	3/45	\$48.94

200 PSI/200 F Max

BRASS IN-LINE SPRING CHECK VALVE

316 Stainless Steel Spring - Soft Seat -

LEAD-FREE BRASS

Certified to NSF/ANSI 61-G

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			300 PSI
3/8"	H-10701W	60/240	\$12.65
1/2"	H-10702W	10/100	\$12.65
3/4"	H-10703W	7/70	\$16.26
1"	H-10704W	5/50	\$22.53
1 1/4"	H-10705W	5/40	\$34.26
1 1/2"	H-10706W	5/30	\$40.38
2"	H-10707W	2/20	\$78.30



B62 BRONZE (85-5-5-5) SWING CHECK VALVE

Hard Seat

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			300 WOG/150 WSP
3/8"	H-10501	10/120	\$11.69
1/2"	H-10502	10/120	\$11.69
3/4"	H-10503	10/80	\$15.13
1"	H-10504	5/60	\$20.91
1 1/4"	H-10505	5/40	\$34.29
1 1/2"	H-10506	5/30	\$43.25
2"	H-10507	2/24	\$72.28
2 1/2"	H-10508	1/12	\$125.24
3"	H-10509	1/8	\$179.50
4"	H-10510	1/4	\$286.71



FORGED BRASS SWING CHECK VALVE

Hard Seat

LEAD-FREE BRASS

Certified to NSF/ANSI 61

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			200 WOG/125 WSP
1/4"	H-10540W	12/120	\$5.73
3/8"	H-10541W	10/120	\$5.73
1/2"	H-10542W	10/120	\$9.59
3/4"	H-10543W	10/80	\$14.02
1"	H-10544W	5/60	\$20.12
1 1/4"	H-10545W	5/40	\$33.39
1 1/2"	H-10546W	5/30	\$44.86
2"	H-10547W	2/12	\$68.28
2 1/2"	H-10548W	2/8	\$115.31
3"	H-10549W	1/8	\$192.27
4"	H-10550W	1/4	\$308.40
SWT			200 WOG/125 WSP
1/2"	H-10622W	10/120	\$9.59
3/4"	H-10623W	10/80	\$14.02
1"	H-10624W	5/60	\$20.12
1 1/4"	H-10625W	5/40	\$33.39
1 1/2"	H-10626W	5/30	\$44.86
2"	H-10627W	2/10	\$68.28

FORGED BRASS SWING CHECK VALVE

Soft Seat

STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			200 WOG/125 WSP
1/2"	H-10522	12/120	\$9.64
3/4"	H-10523	10/80	\$12.58
1"	H-10524	5/60	\$16.77
1 1/4"	H-10525	5/40	\$28.19
1 1/2"	H-10526	5/30	\$36.04
2"	H-10527	2/24	\$59.15

GATE VALVES

FORGED BRASS GATE VALVE

Hard Seat

STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			200 WOG/125 WSP
2"	H-10137	2/20	\$44.19
2 1/2"	H-10138	1/10	\$81.80
3"	H-10139	1/10	\$118.66
4"	H-10140	1/4	\$195.16

CERTIFICATION APPLIES TO 2" ONLY

LEAD-FREE BRASS

Certified to NSF/ANSI 61-G

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			200 WOG/125 WSP
1/2"	H-10132W	10/100	\$9.59
3/4"	H-10133W	10/100	\$13.37
1"	H-10134W	5/50	\$18.36
1 1/4"	H-10135W	5/30	\$31.95
1 1/2"	H-10136W	2/30	\$40.84
2"	H-10137W	2/20	\$55.37
2 1/2"	H-10138W	1/10	\$103.17
3"	H-10139W	1/10	\$150.58
4"	H-10140W	1/4	\$238.53



HEAVY PATTERN BRONZE GATE VALVE

Hard Seat

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			300 WOG/150 WSP
1/2"	H-10102	10/100	\$16.82
3/4"	H-10103	6/60	\$25.15
1"	H-10104	5/40	\$36.98
1 1/4"	H-10105	5/30	\$51.46
1 1/2"	H-10106	4/24	\$68.47
2"	H-10107	4/16	\$97.63
2 1/2"	H-10108	2/8	\$165.64
3"	H-10109	1/6	\$253.75
4"	H-10110	1/4	\$366.22

GLOBE VALVES

BRASS GLOBE VALVE

Straight - Hard Seat

STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			200 WOG/125 WSP
1/4"	H-10400	10/120	\$9.23
3/8"	H-10401	10/120	\$9.23
1/2"	H-10402	10/120	\$9.93
3/4"	H-10403	10/80	\$13.08
1"	H-10404	5/40	\$18.87
1 1/4"	H-10405	5/30	\$27.51
1 1/2"	H-10406	4/24	\$38.45
2"	H-10407	2/16	\$59.01



BRASS STOP VALVE (GLOBE)

Straight - Soft Seat

STANDARD BRASS

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP			125 WOG
1/2"	H-11802	12/72	\$8.48
3/4"	H-11803	12/72	\$9.49
1"	H-11804	5/40	\$19.15
1 1/4"	H-11805	5/30	\$27.11
1 1/2"	H-11806	4/24	\$38.02
2"	H-11807	2/16	\$57.82



SILCOCKS

SUPPLY STOPS

AVAILABLE W/
**PRO-CONNECT
PRO-PUSH**
FOR COPPER,
PEX & CPVC
SEE PAGE 8



FULL FLOW FORGED NICKEL PLATED BRASS SILCOCK

1/4 Turn Action w/ Stainless Steel Lever Handle

SIZE	ITEM #	CTN/CASE	LIST PRICE
ASTM F1960 PEX Flange x MIP Hose			125 WOG
1/2"	H-33202WSSL	12/72	\$14.04



FORGED BRASS SILCOCK

Nickel Plated w/ 1/4 Turn Handle

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP Flange x Hose			125 WOG
1/2"	H-30202W	12/72	\$11.95
3/4"	H-30203W	12/72	\$16.09



BRASS FROST FREE SILCOCK

Chrome Plated w/ Integral Vacuum Breaker

SIZE	ITEM #	CTN/CASE	LIST PRICE
1/2 MIP or SWT x Hose			125 WOG
6"	H-11832W	2/24	\$31.20
8"	H-11834W	2/24	\$32.98
10"	H-11836W	2/24	\$35.42
12"	H-11838W	2/24	\$37.83
14"	H-11840W	2/24	\$39.15



1/4 TURN SUPPLY STOP

Chrome Plated Extruded Brass

SIZE	ITEM #	CTN/CASE	LIST PRICE
ANGLED			
FIP x Compression			
3/8"	H-11900W	20/120	\$15.91
1/2" x 3/8"	H-11901W	20/120	\$16.49
SWT x Compression			
5/8" x 3/8"	H-11905W	20/120	\$15.67
Compression			
5/8" x 3/8"	H-11908W	20/120	\$18.25
STRAIGHT			
FIP x Compression			
3/8"	H-11940W	20/120	\$15.91
1/2" x 3/8"	H-11941W	20/120	\$16.49
Compression			
5/8" x 3/8"	H-11945W	20/120	\$15.67
Compression			
5/8" x 3/8"	H-11948W	20/120	\$18.25



SUPPLY STOP

Chrome Plated Extruded Brass — Celcon Stem

SIZE	ITEM #	CTN/CASE	LIST PRICE
ANGLED			
FIP x Compression			
3/8"	H-11900W-C	10/100	\$10.46
1/2" x 3/8"	H-11901W-C	10/100	\$11.72
Compression			
5/8" x 3/8"	H-11908W-C	10/100	\$12.49
STRAIGHT			
FIP x Compression			
3/8"	H-11940W-C	10/100	\$10.46
1/2" x 3/8"	H-11941W-C	10/100	\$11.72
Compression			
5/8" x 3/8"	H-11948W-C	10/100	\$12.49



HOSE BIBBS

FORGED BRASS HOSE BIBB

w/ Ball Valve Action

SIZE	ITEM #	CTN/CASE	LIST PRICE
MIP x Hose			125 WOG
1/2"	H-30314W	12/72	\$11.28
3/4"	H-30316W	12/72	\$12.65



BRASS HOSE BIBB

No Kink w/ 1/4 Turn Handle

SIZE	ITEM #	CTN/CASE	LIST PRICE
MIP x Hose			125 WOG
1/2"	H-30218W	12/72	\$6.99
3/4"	H-30219W	12/72	\$7.66



BRASS GARDEN VALVE

Bent Nose w/ Oval Handle

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP x Hose			125 PSI
3/4"	H-30213W	12/72	\$14.02
1"	H-30214W	12/72	\$14.75



BRASS HOSE BIBB VACUUM BREAKER

Anti-Siphon Device w/ Flat Washer (CP = Chrome Plated)

SIZE	ITEM #	CTN/CASE	LIST PRICE
Hose			150 PSI
3/4"	H-11850W	12/144	\$8.91
3/4"	H-11850W-CP	12/144	\$8.91



UNIONS

DIELECTRIC UNION

Galvanized Steel & Brass — w/ Nylon Insulator Ring

SIZE	ITEM #	CTN/CASE	LIST PRICE
FIP x SWT			232 F Max
1/2"	H-01102W	24/144	\$4.86
3/4"	H-01103W	24/96	\$6.51
1"	H-01104W	12/96	\$8.99
1 1/4"	H-01105W	6/48	\$12.58
1 1/2"	H-01106W	6/36	\$20.29
2"	H-01107W	6/18	\$32.67
3/4" x 1/2"	H-01132W	24/96	\$6.39



CPVC UNION

Fits CPVC Pipe (Copper Tubing Size)

SIZE	ITEM #	CTN/CASE	LIST PRICE
Socket Ends			
1/2"	H-03742	16/96	\$4.57
3/4"	H-03743	12/96	\$5.94



PVC UNION

Fits Schedule 40 & 80 Pipe — White

SIZE	ITEM #	CTN/CASE	LIST PRICE
Socket Ends			
1/2"	H-04822	1/320	\$0.96
3/4"	H-04823	1/72	\$1.57
1"	H-04824	1/126	\$2.46
1 1/4"	H-04825	1/64	\$3.49
1 1/2"	H-04826	1/36	\$5.21
2"	H-04827	1/32	\$8.99
2 1/2"	H-04828	1/12	\$22.89
3"	H-04829	1/12	\$25.18
4"	H-04830	1/8	\$49.12
FIP			
1/2"	H-04832	1/320	\$0.96
3/4"	H-04833	1/72	\$1.57
1"	H-04834	1/60	\$2.46
1 1/4"	H-04835	1/64	\$3.49
1 1/2"	H-04836	1/48	\$5.21
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H-41417HV-RF400	13	H-43724	22	H-51414KIT/H-51414HVKIT	12	H-73202W	18, 23	H-81703W	4, 20
H-41417HV-RF475	13	H-43724-0H	22	H-51414W/H-51414WHV	12	H-73202W-CAN	18, 23	H-81704	4, 20
H-41417WHV	12	H-43725	22	H-51414WKIT/H-51414WHVKIT	12	H-73203W	18, 23	H-81704W	4, 20
H-41672	15	H-43726	22	H-51415/H-51415HV	12	H-73203W-CAN	18, 23	H-81705	4, 20
H-41685	22	H-43727	22	H-51415KIT/H-51415HVKIT	12	H-74000	19	H-81705W	4, 20
H-41686	22	H-43814	22	H-51415W/H-51415WHV	12	H-74003	19	H-81706	4, 20
H-41687	22	H-43817	22	H-51415WKIT/H-51415WHVKIT	12	H-74004	19	H-81706W	4, 20
H-41698	22	H-43900	22	H-51416/H-51416HV	12	H-74005	19	H-81707	4, 20
H-41699	22	H-43901	22	H-51416HV-RF375	13	H-74006	19	H-81707W	4, 20
H-41700	20	H-43902	22	H-51416W/H-51416WHV	12	H-74007	19	H-81708W	4, 20
H-41700W	20	H-43903	22	H-51417HV-RF400	13	H-74102W	18	H-81709W	4, 20
H-41701	20	H-43904	22	H-51417HV-RF475	13	H-74102W-CAN	18	H-81710W	4, 20
H-41701W	20	H-43905	22	H-51417WHV	12	H-74103W	18	H-84443WPR	5, 16
H-41702	20	H-43906	22	H-51702	20	H-74103W-CAN	18	H-84443WPR2	5, 16
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H-41702T	20	H-44443WPR	16	H-51702T	20	H-74202W	18	H-84444WPR	5, 16
H-41702W	20	H-44443WPR2	16	H-51702W	20	H-74202W-CAN	18	H-84444WPR2	5, 16
H-41702WSSL	20	H-44443WPR3	17	H-51702WSSL	20	H-74203W	18	H-84444WPR3	5, 17
H-41702WSSW	20	H-44443WPR-LF	16	H-51702WSSW	20	H-74203W-CAN	18	H-84444WPR-LF	5, 16
H-41702WT	20	H-44444PR3	17	H-51702WT	20	H-74204W	18	H-84613	5, 14
H-41703	20	H-44444WPR	16	H-51703	20	H-74204W-CAN	18	H-84614	5, 14
H-41703SSL	20	H-44444WPR2	16	H-51703SSL	20	H-74401W	18	H-88613	5, 15
H-41703SSW	20	H-44444WPR3	17	H-51703SSW	20	H-75003	19	H-88614	5, 15
H-41703T	20	H-44444WPR-LF	16	H-51703T	20	H-75004	19	H-88615	5, 15
H-41703W	20	H-45443WCOM	17	H-51703W	20	H-75005	19	H-88616	5, 15
H-41703WSSL	20	H-45443WPR	16	H-51703WSSL	20	H-75006	19	H-88643	5, 15
H-41703WSSW	20	H-45443WPR2	16	H-51703WSSW	20	H-75007	19	H-88644	5, 15
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H-41704SSL	20	H-48614	15	H-51704SSL	20	H-75103W	18	H-90613W	6
H-41704SSW	20	H-48615	15	H-51704SSW	20	H-75103W-CAN	18	H-90614W	6
H-41704T	20	H-48616	15	H-51704T	20	H-75104W	18	H-90615W	6
H-41704W	20	H-50312W	21	H-51704W	20	H-75104W-CAN	18	H-90616W	6
H-41704WSSL	20	H-50313W	21	H-51704WSSL	20	H-75202W	18	H-90617W	6
H-41704WSSW	20	H-50402/H-50402HV	12	H-51704WSSW	20	H-75202W-CAN	18	H-91403WHV	6
H-41704WT	20	H-50403/H-50403HV	12	H-51704WT	20	H-75203W	18	H-91404WHV	6
H-41705	20	H-50404/H-50404HV	12	H-51705	20	H-75203W-CAN	18	H-91405WHV	6
H-41705SSL	20	H-50405/H-50405HV	12	H-51705SSL	20	H-75204W	18	H-91406WHV	6
H-41705W	20	H-50406/H-50406HV	12	H-51705W	20	H-75204W-CAN	18	H-91407WHV	6
H-41705WSSL	20	H-50407HV	12	H-51705WSSL	20	H-78003	4, 19	H-91413WHV	6
H-41706	20	H-50413/H-50413HV	12	H-51706	20	H-78004	4, 19	H-91414WHV	6
H-41706SSL	20	H-50413KIT/H-50413HVKIT	12	H-51706SSL	20	H-78005	4, 19	H-91415WHV	6
H-41706W	20	H-50414/H-50414HV	12	H-51706W	20	H-78006	4, 19	H-91416WHV	6
H-41706WSSL	20	H-50414KIT/H-50414HVKIT	12	H-51706WSSL	20	H-78007	4, 19	H-91417WHV	6
H-41707	20	H-50415/H-50415HV	12	H-51707	20	H-78102W	4, 18	H-91702W	6, 20
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H-41707W	20	H-50416/H-50416HV	12	H-51707W	20	H-78103W	4, 18	H-91704W	6, 20
H-41707WSSL	20	H-50417HV	12	H-51707WSSL	20	H-78103W-CAN	4, 18	H-91705W	6, 20
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H-41727	21	H-50443WPR2	16	H-54444WPR	16	H-80434W	5, 14	H-100616W	7
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H-41821	21	H-50613	14	H-54612	14	H-80612	5, 14	H-101404WHV	7
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H-41822	21	H-50614	14	H-54613	14	H-80613	5, 14	H-101406WHV	7
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H-41823	21	H-50615	14	H-54614	14	H-80614	5, 14	H-101413WHV	7
H-41823W	21	H-50615W	14	H-54614W	14	H-80614W	5, 14	H-101414WHV	7
H-41824	21	H-50616	14	H-55443WCOM	17	H-80615	5, 14	H-101415WHV	7
H-41824W	21	H-50616W	14	H-55443WPR	16	H-80615W	5, 14	H-101416WHV	7
H-41825	21	H-50617	14	H-55443WPR2	16	H-80616W	5, 14	H-101417WHV	7
H-41825W	21	H-50617W	14	H-55443WPR3	17	H-80617W	5, 14	H-101702W	7, 20
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H-43713	22	H-51406W/H-51406WHV	12	H-62704W-B	8, 20	H-81416HV	4, 12	H-SE-91706	6, 7
H-43714	22	H-51407HV-RF400	13	H-64443WPR	16	H-81416HV-RF375	4, 13	H-SE-91707	6, 7

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