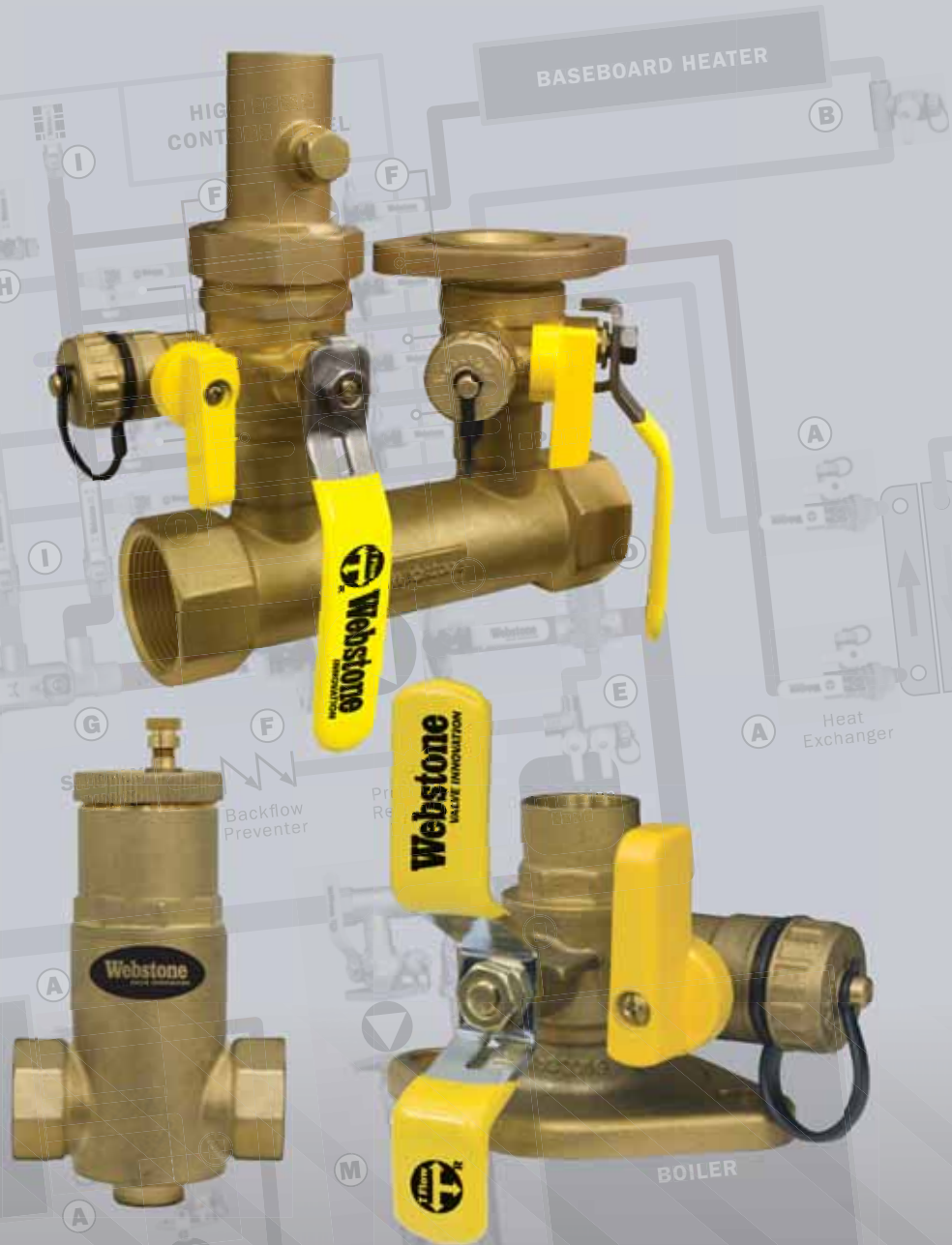


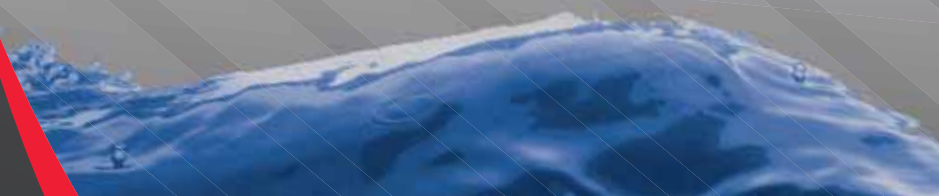
# Webstone

**VALVE INNOVATION**

**HYDRONICS**

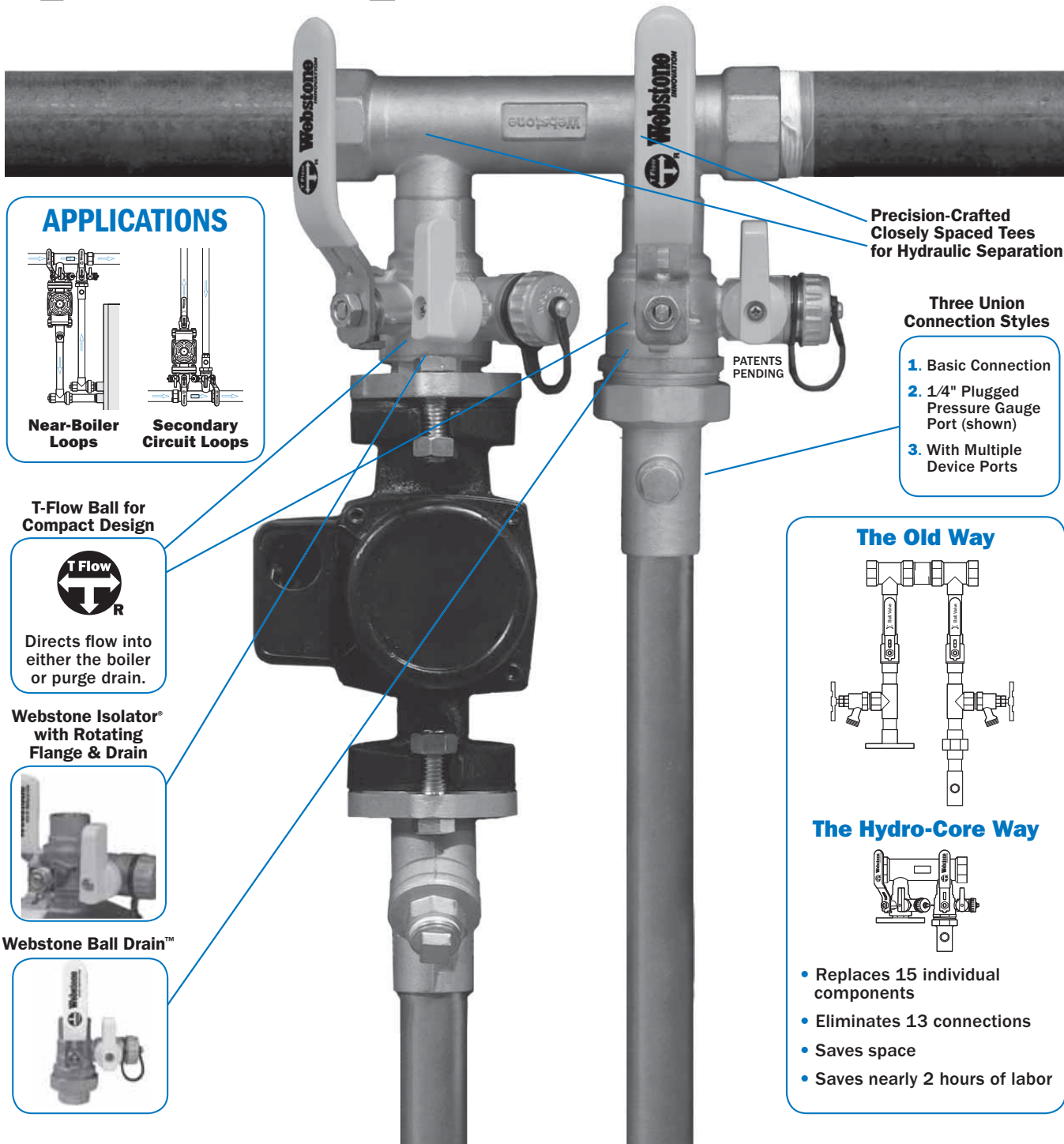


**QUALITY AND COMMITMENT  
TO TECHNOLOGY AND SERVICE SINCE 1954**

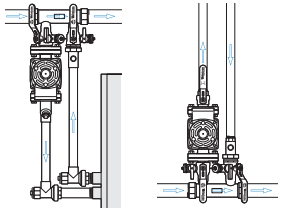


# HYDRO-CORE™

## THE CORE OF A PROFESSIONAL HYDRONIC INSTALLATION



### APPLICATIONS



Near-Boiler Loops

Secondary Circuit Loops

T-Flow Ball for Compact Design



Directs flow into either the boiler or purge drain.

Webstone Isolator® with Rotating Flange & Drain



Webstone Ball Drain™



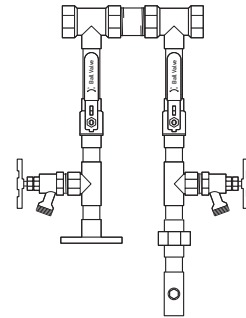
Precision-Crafted Closely Spaced Tees for Hydraulic Separation

Three Union Connection Styles

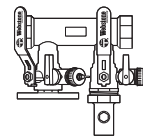
1. Basic Connection
2. 1/4" Plugged Pressure Gauge Port (shown)
3. With Multiple Device Ports

PATENTS PENDING

### The Old Way

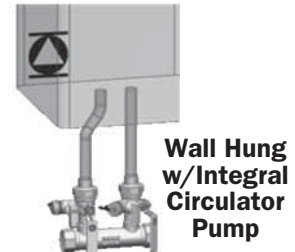
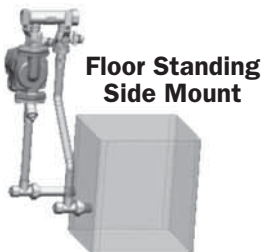


### The Hydro-Core Way



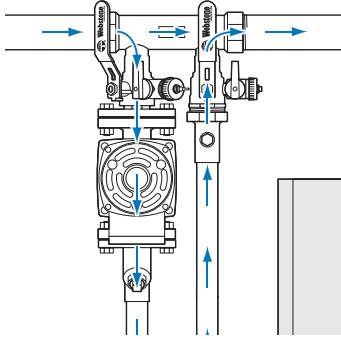
- Replaces 15 individual components
- Eliminates 13 connections
- Saves space
- Saves nearly 2 hours of labor

## FITS COMMON BOILER ORIENTATIONS

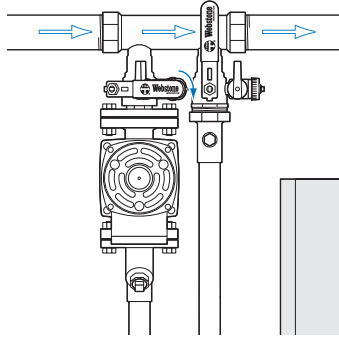


# HYDRO-CORE ADVANTAGES

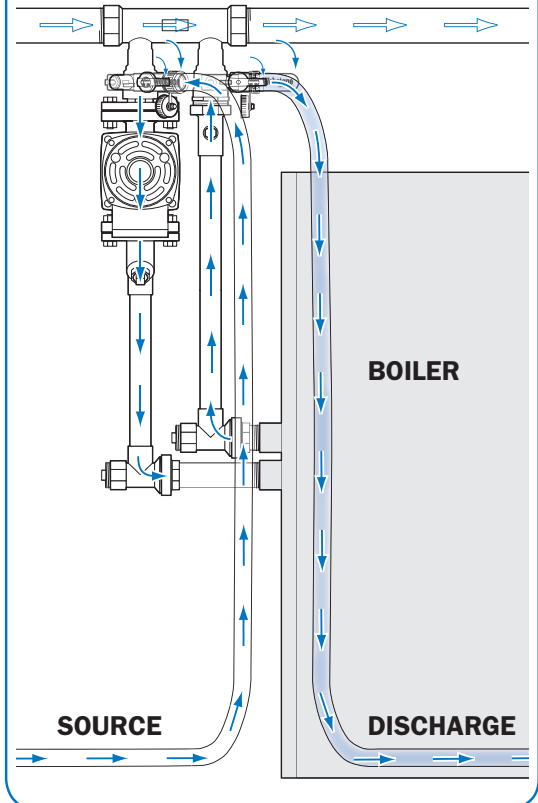
## Precise Spacing for Hydraulic Separation



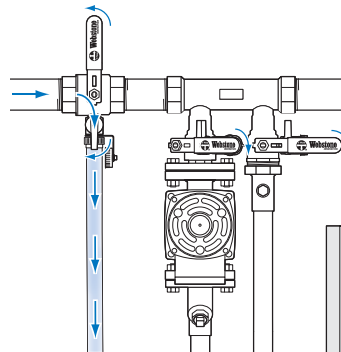
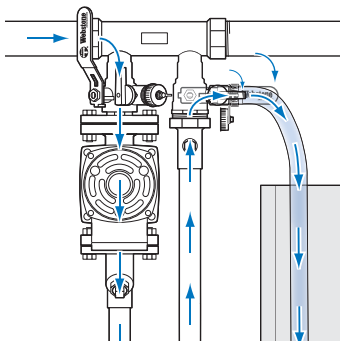
## Simplifies Pump Isolation



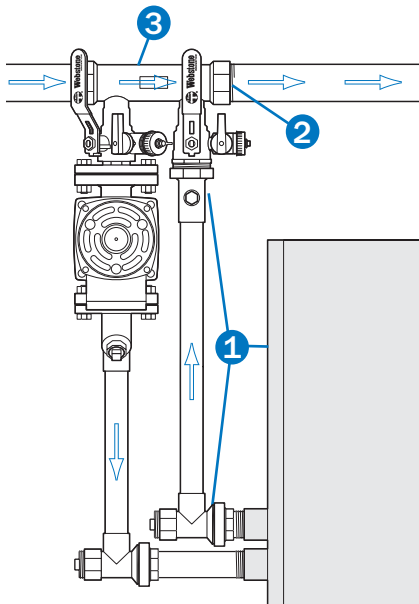
## Easily Purge, Fill, or Descale\* a Boiler or Secondary Hydronic Loop



## Simplifies System Purging Through the Boiler Outside the Boiler



\*Descaling may not be recommended for all boilers. Consult boiler manufacturer for details.



## Plan Your Installation In 3 Simple Steps

1. Identify your boiler & select the corresponding installation kit
2. Determine your pipe run size & connection type
3. Select the proper Hydro-Core manifold

**SEE OUR CURRENT BOILER COMPATIBILITY SUPPLEMENT LOCATED AT [WWW.WEBSTONEVALVES.COM](http://WWW.WEBSTONEVALVES.COM) TO HELP IDENTIFY THE APPROPRIATE HYDRO-CORE KIT FOR YOUR SPECIFIC BOILER.**

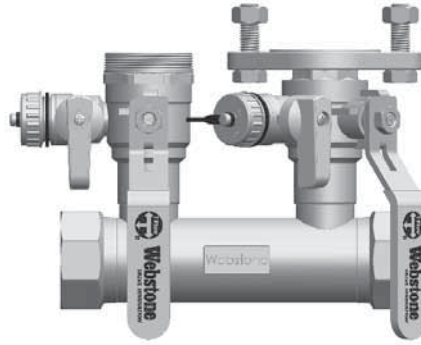
# Hydro-Core Manifolds

Flange Right

**600 WOG**  
**ISO 9001**



**Flange Right**  
Requires (1) Hydro-Core  
Union Connection



TEMP °F	WOG
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A

## Flange Dimensions

C	KA	KB	KC	KD
1"	1/2	2 11/16	4 3/16	2 1/4
1 1/4"	5/8	2 11/16	4 3/16	2 1/4
1 1/2"	5/8	2 11/16	4 3/16	2 1/4

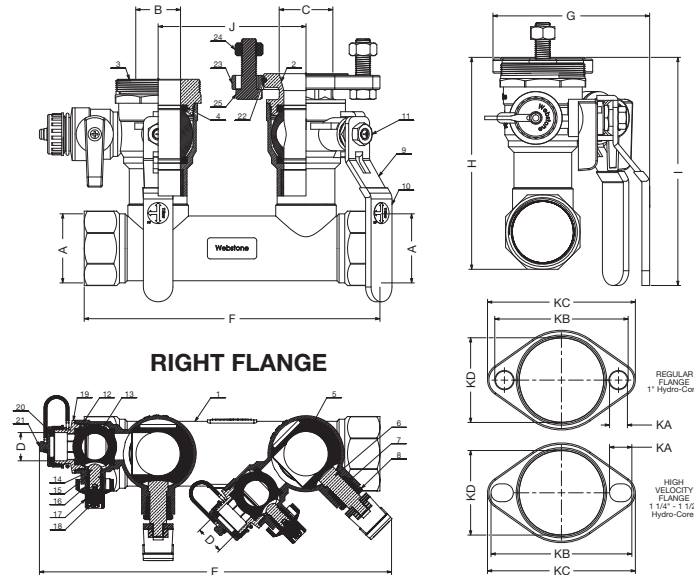
## Flange Right - FIP

ITEM#	CTN/CASE	RUN A	VALVE	DRAIN	UNION B	FLANGE C	HOSE D	E	F	G	H	I	J
48754-0	1/6	1 1/4"	1	1/2	1	1	3/4	8 7/8	7 1/2	4	5 3/8	6 3/16	3 3/4
48764-0	1/6	1 1/2"	1	1/2	1	1	3/4	8 7/8	7 1/2	4	5 1/2	6 3/16	3 3/4
48755-0	1/6	1 1/4"	1 1/4	3/4	1 1/4	1 1/4	3/4	10	8 1/4	4 3/8	6	6 3/8	4 1/8
48765-0	1/6	1 1/2"	1 1/4	3/4	1 1/4	1 1/4	3/4	10	8 1/4	4 3/8	6	6 3/8	4 1/8
48766-0	1/4	1 1/2"	1 1/2	3/4	1 1/2	1 1/2	3/4	10 7/8	8 1/4	5	6 3/8	7 1/2	4 1/8

## Flange Right - SWT

ITEM#	CTN/CASE	RUN A	VALVE	DRAIN	UNION B	FLANGE C	HOSE D	E	F	G	H	I	J
58774-0	1/6	1"	1	1/2	1	1	3/4	9	7 1/2	4	5 1/2	6 3/16	3 3/4
58754-0	1/6	1 1/4"	1	1/2	1	1	3/4	8 7/8	7 1/2	4	5 1/4	6 3/16	3 3/4
58764-0	1/6	1 1/2"	1	1/2	1	1	3/4	8 7/8	7 1/2	4	5 7/16	6 3/16	3 3/4
58774-0	1/4	2"	1	1/2	1	1	3/4	9	8	4	5 7/8	6 3/16	3 3/4
58755-0	1/6	1 1/4"	1 1/4	3/4	1 1/4	1 1/4	3/4	10	8 1/4	4 3/8	5 3/4	6 3/8	4 1/8
58765-0	1/6	1 1/2"	1 1/4	3/4	1 1/4	1 1/4	3/4	10	8 1/4	4 3/8	5 7/8	6 3/8	4 1/8
58775-0	1/4	2"	1 1/4	3/4	1 1/4	1 1/4	3/4	10	8 5/8	4 3/8	6 3/8	6 3/8	4 1/8
58766-0	1/4	1 1/2"	1 1/2	3/4	1 1/2	1 1/2	3/4	10 7/8	8 1/4	5	6 1/4	7 1/2	4 1/8
58776-0	1/4	2"	1 1/2	3/4	1 1/2	1 1/2	3/4	10 7/8	8 5/8	5	6 3/4	7 1/2	4 1/8

NO	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	FLANGE END CAP	BRASS
3	UNION CAP	BRASS
4	SEAT	PTFE
5	BALL	BRASS HCP
6	STEM	BRASS
7	STEM SEAL	PTFE
8	PACKING GLAND	BRASS
9	LEVER HANDLE	STAINLESS STEEL
10	HANDLE JACKET	VINYL
11	HANDLE NUT	STAINLESS STEEL
12	SEAT	PTFE
13	BALL	BRASS HCP
14	STEM	BRASS
15	STEM SEAL	PTFE
16	PACKING GLAND	BRASS
17	HANDLE	ALUMINUM
18	HANDLE SCREW	BRASS
19	END CAP	BRASS
20	WASHER	EPDM
21	CAP AND STRAP	BRASS W/ EPDM STRAP
22	FLANGE RING	BRASS
23	FLANGE	BRASS
24	NUT	STAINLESS STEEL
25	BOLT	STAINLESS STEEL



**MATCH**  
**UNION CONNECTION**  
SIZES TO SELECT  
A MANIFOLD'S  
COMPATIBLE  
ENDS

## Union Connections

### UNION CONNECTION



### UNION CONNECTION W/ MULTIPLE DEVICE PORTS

Plugged Connections for  
(2) 3/4" devices or  
(1) 3/4" device &  
(1) 1/4" Pressure Gauge



### UNION CONNECTION W/ 1/4" NPT GAUGE PORT (PLUGGED)



Part #	Ctn/Case	Hydro-Core End Size	Tailpiece Connection
<b>UNION CONNECTION</b>			
HCE4-43	6/24	1"	3/4" FIP
HCE4-44	6/24	1"	1" FIP
HCE4-53	6/24	1"	3/4" SWT
HCE4-54	6/24	1"	1" SWT
HCE5-44	6/24	1 1/4"	1" FIP
HCE5-45	6/24	1 1/4"	1 1/4" FIP
HCE5-54	6/24	1 1/4"	1" SWT
HCE5-55	6/24	1 1/4"	1 1/4" SWT
HCE6-56	4/24	1 1/2"	1 1/2" SWT

Part #	Ctn/Case	Hydro-Core End Size	Tailpiece Connection
<b>UNION CONNECTION W/ 1/4" NPT GAUGE PORT</b>			
HCE4-63	6/24	1"	3/4" FIP
HCE4-64	6/24	1"	1" FIP
HCE4-73	6/24	1"	3/4" SWT
HCE4-74	6/24	1"	1" SWT
HCE5-64	6/24	1 1/4"	1" FIP
HCE5-65	6/24	1 1/4"	1 1/4" FIP
HCE5-74	6/24	1 1/4"	1" SWT
HCE5-75	6/24	1 1/4"	1 1/4" SWT
<b>UNION CONNECTION W/MULTIPLE DEVICE PORTS</b>			
HCE4-94	6/24	1"	1" SWT

## Pump Connections

### ROTATING FLANGE



### ROTATING FLANGE W/ "Y" STRAINER



Part #	Ctn/Case	Connection
<b>ROTATING FLANGE</b>		
RF4-54	6/24	1" SWT
RF5-55	6/24	1 1/4" SWT
<b>ROTATING FLANGE W/ "Y" STRAINER</b>		
FSTR4-54	6/24	1" SWT
FSTR5-55	6/24	1 1/4" SWT

Specifications: Designed for residential, commercial or industrial use with water or a glycol mixture in a closed loop Hydronic system. This approved Webstone valve assembly design can be used in both near boiler piping applications as well as secondary circuit loops and is actuated by blowout proof stems and feature adjustable packing glands. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.



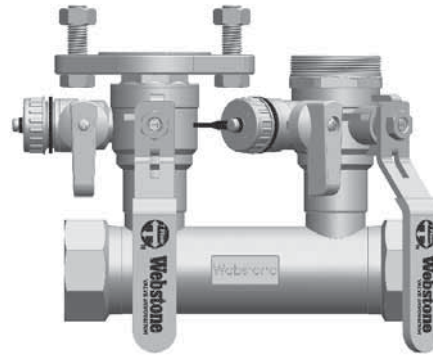
# Hydro-Core Manifolds

Flange Left

**600 WOG**  
**ISO 9001**



**Flange Left**  
Requires (1) Hydro-Core  
Union Connection



TEMP °F	WOG
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A

## Flange Dimensions

C	KA	KB	KC	KD
1"	1/2	2 11/16	4 3/16	2 1/4
1 1/4"	5/8	2 11/16	4 3/16	2 1/4

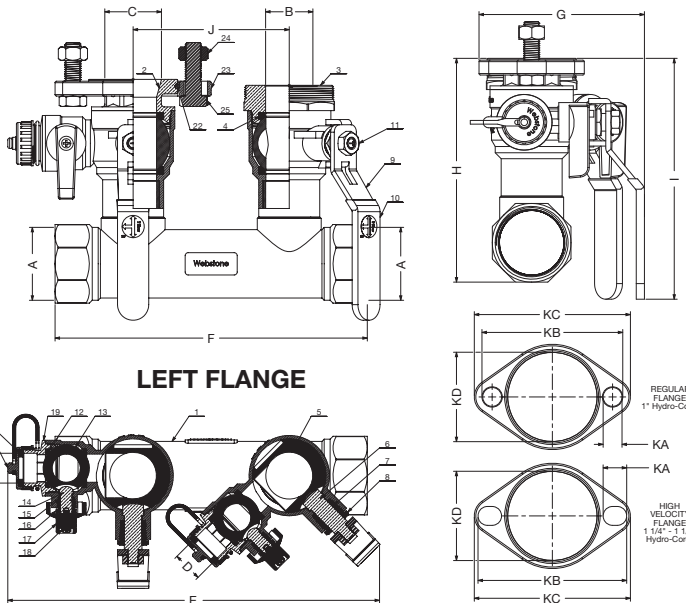
## Flange Left - FIP

ITEM#	CTN/CASE	RUN A	VALVE	DRAIN	UNION B	FLANGE C	HOSE D	E	F	G	H	I	J
48854-0	1/6	1 1/4"	1	1/2	1	1	3/4	8 7/8	7 1/2	4	5 3/8	6 3/16	3 3/4
48864-0	1/6	1 1/2"	1	1/2	1	1	3/4	8 7/8	7 1/2	4	5 1/2	6 3/16	3 3/4
48855-0	1/6	1 1/4"	1 1/4	3/4	1 1/4	1 1/4	3/4	10	8 1/4	4 3/8	6	6 3/8	4 1/8
48865-0	1/6	1 1/2"	1 1/4	3/4	1 1/4	1 1/4	3/4	10	8 1/4	4 3/8	6	6 3/8	4 1/8

## Flange Left - SWT

ITEM#	CTN/CASE	RUN A	VALVE	DRAIN	UNION B	FLANGE C	HOSE D	E	F	G	H	I	J
58854-0	1/6	1 1/4"	1	1/2	1	1	3/4	8 7/8	7 1/2	4	5 3/8	6 3/16	3 3/4
58864-0	1/6	1 1/2"	1	1/2	1	1	3/4	8 7/8	7 1/2	4	5 3/8	6 3/16	3 3/4
58855-0	1/6	1 1/4"	1 1/4	3/4	1 1/4	1 1/4	3/4	10	8 1/4	4 3/8	5 3/4	6 3/8	4 1/8
58865-0	1/6	1 1/2"	1 1/4	3/4	1 1/4	1 1/4	3/4	10	8 1/4	4 3/8	5 7/8	6 3/8	4 1/8

NO	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	FLANGE END CAP	BRASS
3	UNION CAP	BRASS
4	SEAT	PTFE
5	BALL	BRASS HCP
6	STEM	BRASS
7	STEM SEAL	PTFE
8	PACKING GLAND	BRASS
9	LEVER HANDLE	STAINLESS STEEL
10	HANDLE JACKET	VINYL
11	HANDLE NUT	STAINLESS STEEL
12	SEAT	PTFE
13	BALL	BRASS HCP
14	STEM	BRASS
15	STEM SEAL	PTFE
16	PACKING GLAND	BRASS
17	HANDLE	ALUMINUM
18	HANDLE SCREW	BRASS
19	END CAP	BRASS
20	WASHER	EPDM
21	CAP AND STRAP	BRASS W/ EPDM STRAP
22	FLANGE RING	BRASS
23	FLANGE	BRASS
24	NUT	STAINLESS STEEL
25	BOLT	STAINLESS STEEL



**MATCH**  
**UNION CONNECTION**  
SIZES TO SELECT  
A MANIFOLD'S  
COMPATIBLE  
ENDS

## Union Connections

UNION CONNECTION



UNION CONNECTION W/  
MULTIPLE DEVICE PORTS

Plugged Connections for  
(2) 3/4" devices or  
(1) 3/4" device &  
(1) 1/4" Pressure Gauge

UNION CONNECTION  
W/ 1/4" NPT GAUGE  
PORT (PLUGGED)



Part #	Ctn/Case	Hydro-Core End Size	Tailpiece Connection
<b>UNION CONNECTION</b>			
HCE4-43	6/24	1"	3/4" FIP
HCE4-44	6/24	1"	1" FIP
HCE4-53	6/24	1"	3/4" SWT
HCE4-54	6/24	1"	1" SWT
HCE5-44	6/24	1 1/4"	1" FIP
HCE5-45	6/24	1 1/4"	1 1/4" FIP
HCE5-54	6/24	1 1/4"	1" SWT
HCE5-55	6/24	1 1/4"	1 1/4" SWT

Part #	Ctn/Case	Hydro-Core End Size	Tailpiece Connection
<b>UNION CONNECTION W/ 1/4" NPT GAUGE PORT</b>			
HCE4-63	6/24	1"	3/4" FIP
HCE4-64	6/24	1"	1" FIP
HCE4-73	6/24	1"	3/4" SWT
HCE4-74	6/24	1"	1" SWT
HCE5-64	6/24	1 1/4"	1" FIP
HCE5-65	6/24	1 1/4"	1 1/4" FIP
HCE5-74	6/24	1 1/4"	1" SWT
HCE5-75	6/24	1 1/4"	1 1/4" SWT
<b>UNION CONNECTION W/MULTIPLE DEVICE PORTS</b>			
HCE4-94	6/24	1"	1" SWT

## Pump Connections

ROTATING FLANGE



ROTATING FLANGE  
W/ "Y" STRAINER



Part #	Ctn/Case	Connection
<b>ROTATING FLANGE</b>		
RF4-54	6/24	1" SWT
RF5-55	6/24	1 1/4" SWT
<b>ROTATING FLANGE W/ "Y" STRAINER</b>		
FSTR4-54	6/24	1" SWT
FSTR5-55	6/24	1 1/4" SWT

Specifications: Designed for residential, commercial or industrial use with water or a glycol mixture in a closed loop Hydronic system. This approved Webstone valve assembly design can be used in both near boiler piping applications as well as secondary circuit loops and is actuated by blowout proof stems and feature adjustable packing glands. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

# Hydro-Core Manifolds

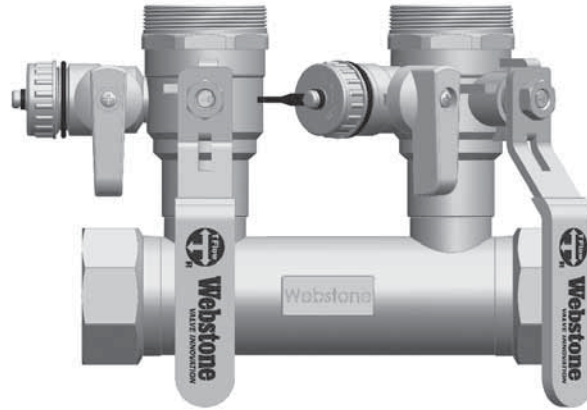
Double Ball Drain

600 WOG  
ISO 9001

**HYDRO-CORE**

## Double Ball Drain

Requires (2) Hydro-Core Union Connections

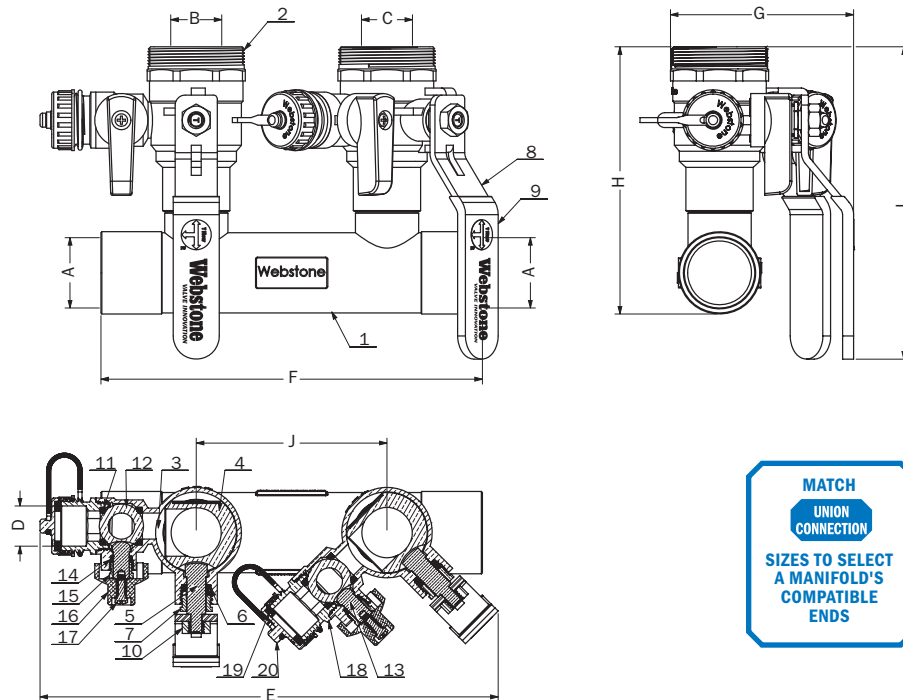


TEMP °F	WOG
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A

FIP	ITEM#	CTN/CASE	RUN A	VALVE	DRAIN	UNION CONNECTION	B	C	D	E	F	G	H	I	J
	48354-0	1/6	1 1/4"	1	1/2	UNION CONNECTION	1	1	3/4	9	7 1/2	3 1/2	5 3/8	6 1/8	3 3/4

SWT	ITEM#	CTN/CASE	RUN A	VALVE	DRAIN	UNION CONNECTION	B	C	D	E	F	G	H	I	J
	58354-0	1/6	1 1/4"	1	1/2	UNION CONNECTION	1	1	3/4	9	7 1/2	3 1/2	5 1/4	6 1/8	3 3/4

NO	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	UNION CAP	BRASS
3	SEAT	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	LEVER HANDLE	STAINLESS STEEL
9	HANDLE JACKET	VINYL
10	HANDLE NUT	STAINLESS STEEL
11	SEAT	PTFE
12	BALL	BRASS HCP
13	STEM	BRASS
14	STEM SEAL	PTFE
15	PACKING GLAND	BRASS
16	HANDLE	ALUMINUM
17	HANDLE SCREW	BRASS
18	END CAP	BRASS
19	WASHER	EPDM
20	CAP AND STRAP	BRASS W/ EPDM STRAP



**MATCH UNION CONNECTION SIZES TO SELECT A MANIFOLD'S COMPATIBLE ENDS**

### Union Connections

UNION CONNECTION



UNION CONNECTION W/ 1/4" NPT GAUGE PORT (PLUGGED)



UNION CONNECTION W/ MULTIPLE DEVICE PORTS

Plugged Connections for (2) 3/4" devices or (1) 3/4" device & (1) 1/4" Pressure Gauge



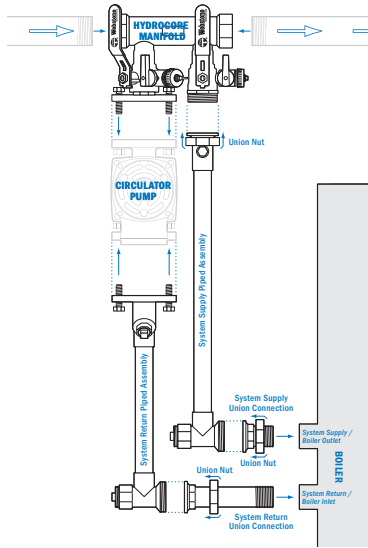
Part #	Ctn/Case	Hydro-Core End Size	Tailpiece Connection	Part #	Ctn/Case	Hydro-Core End Size	Tailpiece Connection
<b>UNION CONNECTION</b>				<b>UNION CONNECTION W/ 1/4" NPT GAUGE PORT</b>			
HCE4-43	6/24	1"	3/4" FIP	HCE4-63	6/24	1"	3/4" FIP
HCE4-44	6/24	1"	1" FIP	HCE4-64	6/24	1"	1" FIP
HCE4-53	6/24	1"	3/4" SWT	HCE4-73	6/24	1"	3/4" SWT
HCE4-54	6/24	1"	1" SWT	HCE4-74	6/24	1"	1" SWT
<b>UNION CONNECTION W/MULTIPLE DEVICE PORTS</b>				HCE4-94	6/24	1"	1" SWT

Specifications: Designed for residential, commercial or industrial use with water or a glycol mixture in a closed loop Hydronic system. This approved Webstone valve assembly design can be used in both near boiler piping applications as well as secondary circuit loops and is actuated by blowout proof stems and feature adjustable packing glands. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

# Hydro-Core Boiler Installation Kits

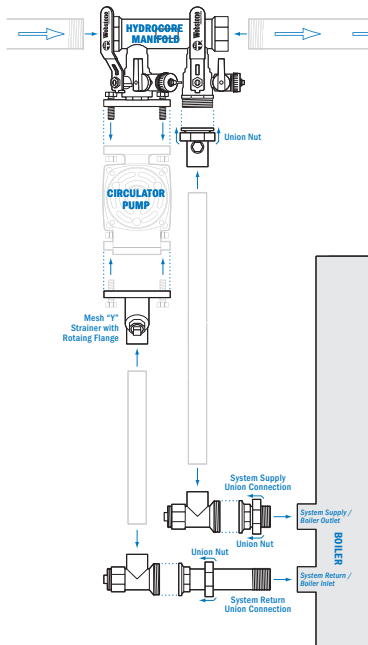
Requires Hydro-Core Manifold

## Complete Kit for Select Floor Mount Boilers



- Plugged 1/4" pressure gauge port
- Integrated Mesh "Y" Strainer with rotating flange and plugged 1/2" port in strainer cap for installation of drain valve (if desired)
- Plugged 1" FIP ports for connection to other equipment

## Component Kit for Floor Standing Boilers with Side Mount Connections



Specifications: Designed for residential, commercial or industrial use with water or a glycol mixture in a closed loop Hydronic system. This approved Webstone valve assembly design can be used in both near boiler piping applications as well as secondary circuit loops and is actuated by blowout proof stems and feature adjustable packing glands. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

## HYDRO-CORE COMPLETE NEAR BOILER PIPING KITS

Fully Fabricated Supply & Return Lines

### FLOOR MOUNT



### WALL HUNG



### Floor Mount

Part #	Ctn/Case	Hydro-Core End Size	Connection to Boiler	Custom Fit For
NBP4-080	1/6	1"	1" MIP	BURNHAM ALP080/LOCHINVAR KBN080
NBP4-105	1/6	1"	1" MIP	BURNHAM ALP105/LOCHINVAR KBN105
NBP4-150	1/6	1"	1" MIP	BURNHAM ALP150/LOCHINVAR KBN150
NBP4-210	1/6	1"	1" MIP	BURNHAM ALP210/LOCHINVAR KBN210

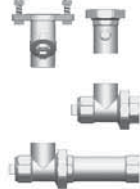
### Wall Hung

Part #	Ctn/Case	Hydro-Core End Size	Connection to Boiler	Custom Fit For
NBP4-WBN	1/6	1"	1" SWT	LOCHINVAR WBN050/080/105/150/210
NBP4-WHN	1/6	1"	1" SWT	LOCHINVAR WHN055/085/110/155

## HYDRO-CORE NEAR BOILER COMPONENT KITS

See Boiler Compatibility Chart To Fit Your Particular Boiler

### FLOOR STANDING / SIDE MOUNT KIT 1



### FLOOR STANDING / SIDE MOUNT KIT 2



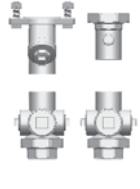
### FLOOR STANDING / SIDE MOUNT KIT 3



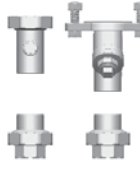
### FLOOR STANDING / TOP MOUNT KIT 1



### FLOOR STANDING / TOP MOUNT KIT 2



### FLOOR STANDING / TOP MOUNT KIT 3



### WALL HUNG KIT 1



### WALL HUNG KIT 2



### WALL HUNG KIT 3



## Floor Standing / Side Mount

Part #	Ctn/Case	Hydro-Core End Size	Tailpiece Connection
<b>FLOOR STANDING / SIDE MOUNT KIT 1</b>			
FS-144	1/6	1"	1" FIP
FS-184	1/6	1"	1" MIP
FS-145	1/6	1 1/4"	1 1/4" FIP
FS-185	1/6	1 1/4"	1 1/4" MIP
<b>FLOOR STANDING / SIDE MOUNT KIT 2</b>			
FS-245	1/6	1 1/4"	1 1/4" FIP
<b>FLOOR STANDING / SIDE MOUNT KIT 3</b>			
FS-345	1/6	1 1/4"	1 1/4" FIP

## Floor Standing / Top Mount

Part #	Ctn/Case	Hydro-Core End Size	Tailpiece Connection
<b>FLOOR STANDING / TOP MOUNT KIT 1</b>			
FT-144	1/6	1"	1" FIP
<b>FLOOR STANDING / TOP MOUNT KIT 2</b>			
FT-245	1/6	1 1/4"	1 1/4" FIP
FT-2R45	1/6	1 1/4"	1" FIP
<b>FLOOR STANDING / TOP MOUNT KIT 3</b>			
FT-344	1/6	1"	1" FIP

## Wall Hung

Part #	Ctn/Case	Hydro-Core End Size	Tailpiece Connection
<b>WALL HUNG KIT 1</b>			
WH-144	1/6	1"	1" FIP
WH-154	1/6	1"	1" SWT
WH-1R44	1/6	1"	3/4" FIP
<b>WALL HUNG KIT 2</b>			
WH-245	1/6	1 1/4"	1 1/4" FIP
WH-255	1/6	1 1/4"	1 1/4" SWT
<b>WALL HUNG KIT 3</b>			
WH-345	1/6	1 1/4"	1 1/4" FIP

## THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

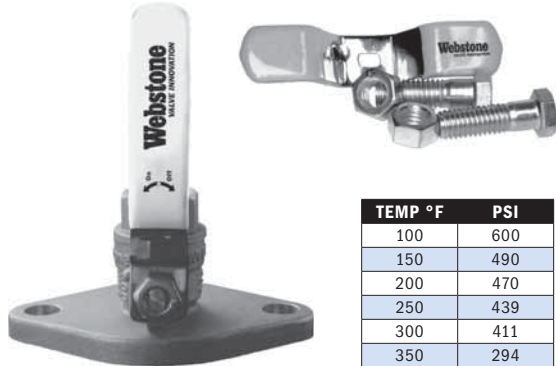
# The Isolator®

Full Port Forged Brass Uni-Flange Ball Valves  
w/ Bonus Wing Style "T" Handle, Nuts & Bolts

**600 WOG**  
**ISO 9001**



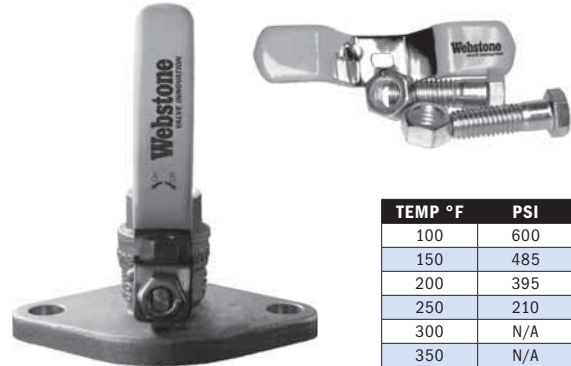
## 4040 Series - IPS x Flange



TEMP °F	PSI
100	600
150	490
200	470
250	439
300	411
350	294
366	N/A



## 5040 Series - SWT x Flange



TEMP °F	PSI
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A

### 4040 Series - IPS x Flange

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G	H	I
40402	1/2"	2/20	1/2	2 1/4	1 7/8	3 7/8	3/8	1/2	3/4	2 11/16	4 1/8
40403	3/4"	2/20	3/4	2 3/8	2 1/16	3 7/8	3/8	1/2	1	2 11/16	4 1/8
40404	1"	2/20	1	2 11/16	2 1/2	4 5/8	3/8	1/2	1 1/4	2 11/16	4 1/8
40405	1 1/4"	2/20	1 1/4	2 7/8	2 3/8	4 5/8	3/8	1/2	1 9/16	2 11/16	4 1/8
40406	1 1/2"	2/20	1 1/2	4	3 3/8	5 9/16	3/8	1/2	1 15/16	2 11/16	4 1/8
40404HV	1"	2/20	1	2 11/16	2 1/2	4 5/8	3/8	5/8	1 1/4	2 11/16	4 1/8
40405HV	1 1/4"	2/20	1 1/4	2 7/8	2 13/16	4 5/8	3/8	5/8	1 9/16	2 11/16	4 1/8
40406HV	1 1/2"	2/20	1 1/2	4	3 3/8	5 9/16	3/8	5/8	1 15/16	2 11/16	4 1/8
40407HV	2"	2/10	2	4 7/16	3 3/4	5 9/16	3/8	5/8	1 15/16	2 11/16	4 1/8

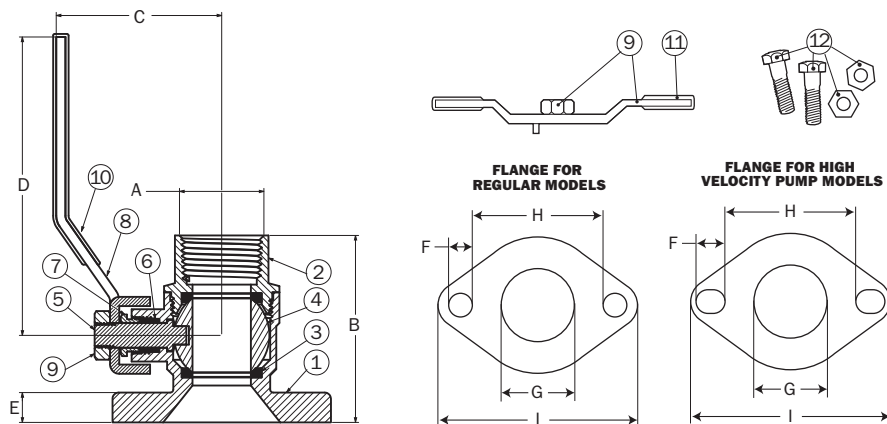
HV MODELS FIT BOTH STANDARD & HIGH VELOCITY PUMPS.

### 5040 Series - SWT x Flange

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G	H	I
50402	1/2"	2/20	1/2	2 1/8	1 7/8	3 7/8	3/8	1/2	3/4	2 11/16	4 1/8
50403	3/4"	2/20	3/4	2 9/16	2 1/16	3 7/8	3/8	1/2	1	2 11/16	4 1/8
50404	1"	2/20	1	2 15/16	2 1/2	4 5/8	3/8	1/2	1 1/4	2 11/16	4 1/8
50405	1 1/4"	2/20	1 1/4	3 1/8	2 13/16	4 5/8	3/8	1/2	1 9/16	2 11/16	4 1/8
50406	1 1/2"	2/20	1 1/2	4 3/8	3 3/8	5 9/16	3/8	1/2	1 15/16	2 11/16	4 1/8
50404HV	1"	2/20	1	2 15/16	2 1/2	4 5/8	3/8	5/8	1 1/4	2 11/16	4 1/8
50405HV	1 1/4"	2/20	1 1/4	3 1/8	2 13/16	4 5/8	3/8	5/8	1 9/16	2 11/16	4 1/8
50406HV	1 1/2"	2/20	1 1/2	4 3/8	3 3/8	5 9/16	3/8	5/8	1 15/16	2 11/16	4 1/8
50407HV	2"	2/10	2	5 1/16	3 3/4	5 9/16	3/8	5/8	1 15/16	2 11/16	4 1/8

HV MODELS FIT BOTH STANDARD & HIGH VELOCITY PUMPS.

NO.	DESCRIPTION	MATERIAL
1	FLANGED BODY	BRASS
2	END CAP	BRASS
3	SEATS	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	LEVER HANDLE	STEEL CP
9	HANDLE NUT	STAINLESS STEEL
10	HANDLE JACKET	VINYL
11	WING STYLE "T" HANDLE	STEEL CP W/ VINYL GRIPS
12	FLANGE BOLTS & NUTS	STEEL ZP



Specifications: Designed for residential, commercial or industrial use with water or a glycol mixture. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Flange features a conical inlet to minimize turbulence. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____



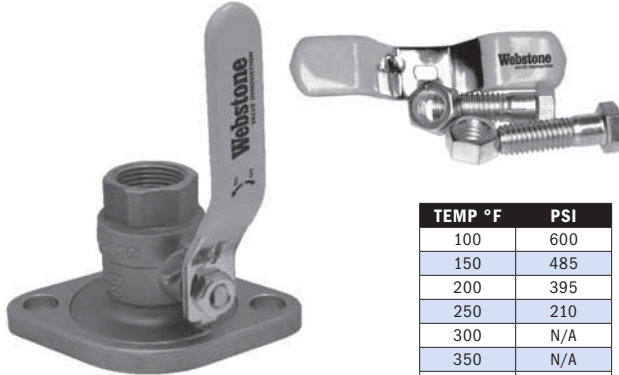
# The Isolator® w/ Rotating Flange

Full Port Forged Brass Uni-Flange Ball Valves  
w/ Detachable Rotating Flange & Bonus Wing Style "T" Handle, Nuts & Bolts

**600 WOG**  
**ISO 9001**  
**Patent Pending**



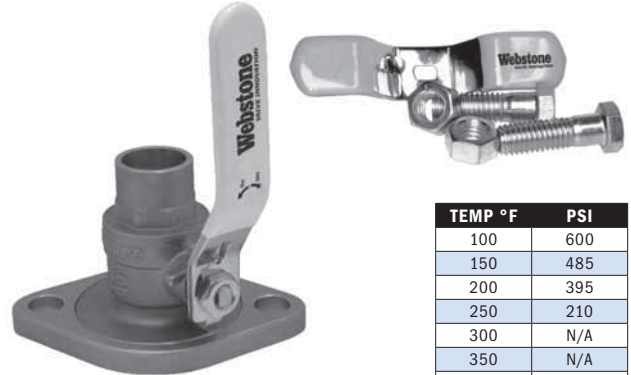
## 4140 Series - IPS x Rotating Flange



TEMP °F	PSI
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A



## 5140 Series - SWT x Rotating Flange



TEMP °F	PSI
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A

### 4140 Series - IPS x Rotating Flange

ITEM #	SIZE	CTN/CASE	A	B	C	D (LEVER)	E	F	G	H	I
41403	3/4"	2/20	3/4	2 3/8	2 13/16	3 7/8	7/16	1/2	1 1/2	2 11/16	4 1/8
41404	1"	2/20	1	3 1/16	2 5/8	4 11/16	7/16	1/2	1 1/2	2 11/16	4 1/8
41405	1 1/4"	2/20	1 1/4	3 1/4	2 15/16	4 11/16	7/16	1/2	1 1/2	2 11/16	4 1/8
41406	1 1/2"	2/20	1 1/2	4	3 1/2	5 5/8	7/16	1/2	1 1/2	2 11/16	4 1/8
41404HV	1"	2/20	1	3 1/16	2 5/8	4 11/16	7/16	5/8	1 1/2	2 11/16	4 1/8
41405HV	1 1/4"	2/20	1 1/4	3 1/4	2 15/16	4 11/16	7/16	5/8	1 1/2	2 11/16	4 1/8
41406HV	1 1/2"	2/20	1 1/2	4	3 1/2	5 5/8	7/16	5/8	1 1/2	2 11/16	4 1/8

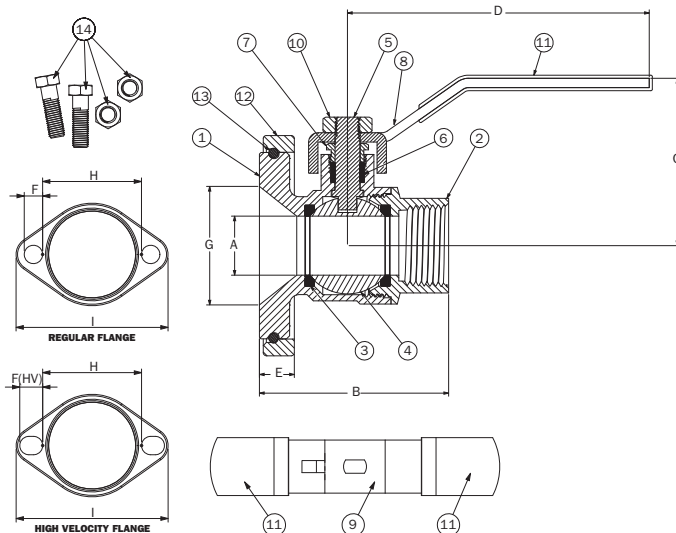
### 5140 Series - SWT x Rotating Flange

HV MODELS FIT BOTH STANDARD & HIGH VELOCITY PUMPS.

ITEM #	SIZE	CTN/CASE	A	B	C	D (LEVER)	E	F	G	H	I
51403	3/4"	2/20	3/4	2 9/16	2 3/16	3 7/8	7/16	1/2	1 1/2	2 11/16	4 1/8
51404	1"	2/20	1	3 5/16	2 5/8	4 11/16	7/16	1/2	1 1/2	2 11/16	4 1/8
51405	1 1/4"	2/20	1 1/4	3 7/16	2 15/16	4 11/16	7/16	1/2	1 1/2	2 11/16	4 1/8
51406	1 1/2"	2/20	1 1/2	4 6/16	3 8/16	5 5/8	7/16	1/2	1 1/2	2 11/16	4 1/8
51404HV	1"	2/20	1	3 5/16	2 5/8	4 11/16	7/16	5/8	1 1/2	2 11/16	4 1/8
51405HV	1 1/4"	2/20	1 1/4	3 7/16	2 15/16	4 11/16	7/16	5/8	1 1/2	2 11/16	4 1/8
51406HV	1 1/2"	2/20	1 1/2	4 3/8	3 1/2	5 5/8	7/16	5/8	1 1/2	2 11/16	4 1/8

HV MODELS FIT BOTH STANDARD & HIGH VELOCITY PUMPS.

NO.	DESCRIPTION	MATERIAL
1	FLANGED BODY	BRASS
2	END CAP	BRASS
3	SEATS	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	LEVER HANDLE	STEEL CP
9	WING STYLE "T" HANDLE	STEEL CP
10	HANDLE NUT	STAINLESS STEEL
11	HANDLE JACKET	VINYL
12	ROTATING FLANGE	BRASS
13	ROTATING FLANGE RING	STAINLESS STEEL
14	FLANGE BOLTS & NUTS	STEEL ZP



Specifications: Designed for residential, commercial or industrial use with water or a glycol mixture. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Flange features a conical inlet to minimize turbulence. The rotating flange is secured by a snug-fit snapping that provides greater control over positioning during installation. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# The Isolator® w/ Drain

Full Port Forged Brass Uni-Flange Ball Valves  
w/ Hi-Flow Hose Drain & Bonus Wing Style "T" Handle, Nuts & Bolts

**600 WOG**  
**ISO 9001**  
**Patented Technology**



## 4041 Series - IPS x Flange

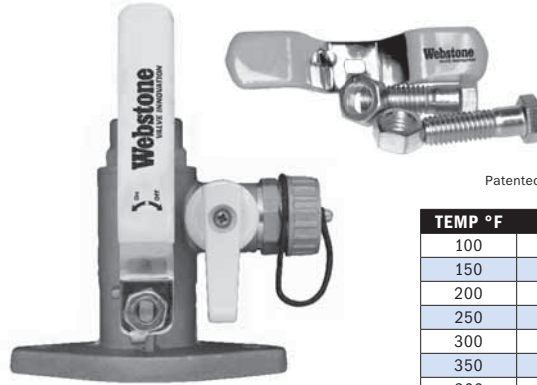


Patented Technology

TEMP °F	PSI
100	600
150	490
200	470
250	439
300	411
350	294
366	N/A



## 5041 Series - SWT x Flange



Patented Technology

TEMP °F	PSI
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A

### 4041 Series - IPS x Flange

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G	H	I	J
40413	3/4"	2/20	3/4	3 9/16	2 1/4	4	3/8	1/2	1	2 11/16	4 1/8	1/2
40414	1"	2/20	1	3 5/8	2 3/8	4 5/8	3/8	1/2	1 1/4	2 11/16	4 1/8	1/2
40415	1 1/4"	2/20	1 1/4	4 1/16	2 7/8	4 5/8	3/8	1/2	1 9/16	2 11/16	4 1/8	3/4
40416	1 1/2"	2/10	1 1/2	5 1/8	3 1/4	5 1/2	3/8	1/2	1 15/16	2 11/16	4 1/8	3/4
40414HV	1"	2/20	1	3 5/8	2 3/8	4 5/8	3/8	5/8	1 1/4	2 11/16	4 1/8	1/2
40415HV	1 1/4"	2/20	1 1/4	4 1/16	2 7/8	4 5/8	3/8	5/8	1 9/16	2 11/16	4 1/8	3/4
40416HV	1 1/2"	2/10	1 1/2	5 1/8	3 1/4	5 1/2	3/8	5/8	1 15/16	2 11/16	4 1/8	3/4
40417HV	2"	1/10	2	6 1/8	3 1/4	5 1/2	3/8	5/8	1 15/16	2 11/16	4 1/8	3/4

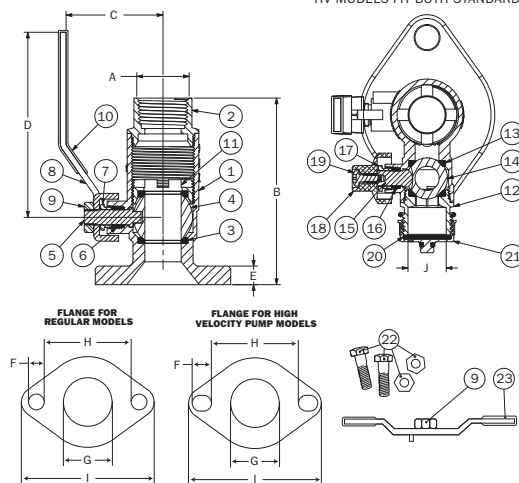
HV MODELS FIT BOTH STANDARD & HIGH VELOCITY PUMPS.

### 5041 Series - SWT x Flange

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G	H	I	J
50413	3/4"	2/20	3/4	3 3/4	2 1/4	4	3/8	1/2	1	2 11/16	4 1/8	1/2
50414	1"	2/20	1	3 15/16	2 5/8	4 5/8	3/8	1/2	1 1/4	2 11/16	4 1/8	1/2
50415	1 1/4"	2/20	1 1/4	4 1/4	3	4 5/8	3/8	1/2	1 9/16	2 11/16	4 1/8	3/4
50416	1 1/2"	2/10	1 1/2	5 1/2	3 1/4	5 1/2	3/8	1/2	1 15/16	2 11/16	4 1/8	3/4
50414HV	1"	2/20	1	3 15/16	2 5/8	4 5/8	3/8	5/8	1 1/4	2 11/16	4 1/8	1/2
50415HV	1 1/4"	2/20	1 1/4	4 1/4	3	4 5/8	3/8	5/8	1 9/16	2 11/16	4 1/8	3/4
50416HV	1 1/2"	2/10	1 1/2	5 1/2	3 1/4	5 1/2	3/8	5/8	1 15/16	2 11/16	4 1/8	3/4
50417HV	2"	1/10	2	5 1/2	3 1/4	5 1/2	3/8	5/8	1 15/16	2 11/16	4 1/8	3/4

HV MODELS FIT BOTH STANDARD & HIGH VELOCITY PUMPS.

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEATS	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	LEVER HANDLE	STEEL CP
9	HANDLE NUT	STAINLESS STEEL
10	HANDLE JACKET	VINYL
11	SEAT RETAINER	BRASS
12	DRAIN END CAP	BRASS
13	DRAIN SEATS	PTFE
14	DRAIN BALL	BRASS HCP
15	DRAIN STEM	BRASS
16	DRAIN STEM SEAL	PTFE
17	DRAIN PACKING GLAND	BRASS
18	DRAIN HANDLE	ENAMEL COATED ALUMINUM
19	DRAIN HANDLE SCREW	BRASS
20	WASHER	EPDM
21	CAP AND STRAP	BRASS W/ EPDM STRAP
22	FLANGE BOLTS AND NUTS	STEEL ZP
23	WING STYLE "T" HANDLE	STEEL CP



Specifications: Designed for residential, commercial or industrial use with water or a glycol mixture. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Flange features a conical inlet to minimize turbulence. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# The Isolator® w/ Rotating Flange & Drain

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

**600 WOG**  
**ISO 9001**  
**Patented Technology**



## 4141 Series - IPS x Rotating Flange

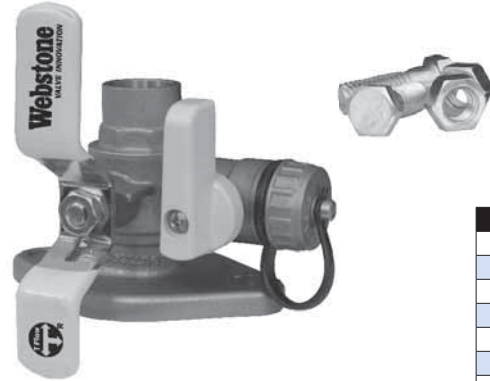


Patented Technology

TEMP °F	PSI
100	600
150	490
200	470
250	439
300	411
350	294
366	N/A



## 5141 Series - SWT x Rotating Flange



Patented Technology

TEMP °F	PSI
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A

### 4141 Series - IPS x Rotating Flange

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G	H	I	J
41413	3/4"	2/20	3/4	2 3/8	2 3/8	2 1/2	3/8	1/2	1	2 11/16	4 3/16	2 3/4
41414	1"	2/20	1	2 15/16	2 5/8	2 1/2	3/8	1/2	1 1/4	2 11/16	4 3/16	2 3/4
41415	1 1/4"	2/20	1 1/4	3 5/16	3 3/16	3 3/16	3/8	1/2	1 9/16	2 11/16	4 3/16	3 1/4
41416	1 1/2"	2/10	1 1/2	4	3 3/8	3 13/16	3/8	1/2	1 15/16	2 11/16	4 3/16	3 1/2
41414HV	1"	2/20	1	2 15/16	2 5/8	2 1/2	3/8	5/8	1 1/4	2 11/16	4 3/16	2 3/4
41415HV	1 1/4"	2/20	1 1/4	3 5/16	3 3/16	3 3/16	3/8	5/8	1 9/16	2 11/16	4 3/16	3 1/4
41416HV	1 1/2"	2/10	1 1/2	4	3 3/8	3 13/16	3/8	5/8	1 15/16	2 11/16	4 3/16	3 1/2

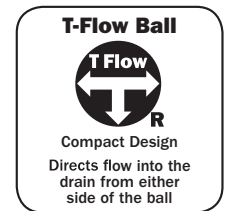
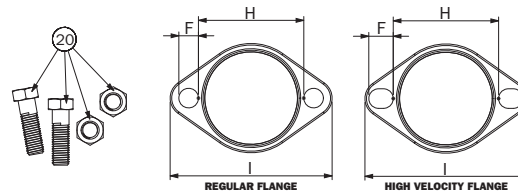
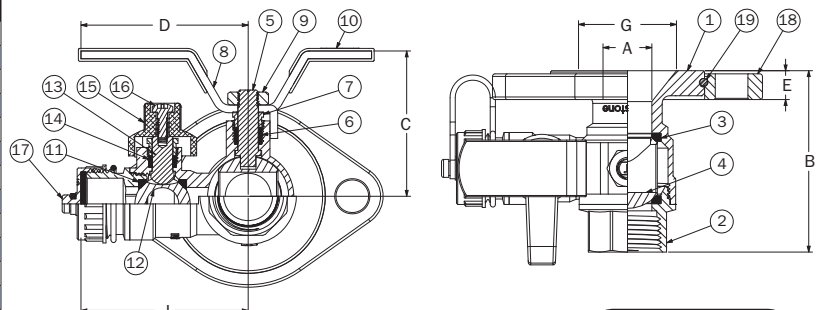
### 5141 Series - SWT x Rotating Flange

HV MODELS FIT BOTH STANDARD & HIGH VELOCITY PUMPS.

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G	H	I	J
51413	3/4"	2/20	3/4	3	2 7/16	2 1/2	3/8	1/2	1	2 11/16	4 3/16	2 3/4
51414	1"	2/20	1	3 1/4	2 5/8	2 1/2	3/8	1/2	1 1/4	2 11/16	4 3/16	2 3/4
51415	1 1/4"	2/20	1 1/4	3 1/2	3 1/6	3 3/16	3/8	1/2	1 9/16	2 11/16	4 3/16	3 1/4
51416	1 1/2"	2/10	1 1/2	4 3/8	3 3/8	3 13/16	3/8	1/2	1 15/16	2 11/16	4 3/16	3/12
51414HV	1"	2/20	1	3 1/4	2 5/8	2 1/2	3/8	5/8	1 1/4	2 11/16	4 3/16	2 3/4
51415HV	1 1/4"	2/20	1 1/4	3 1/2	3 1/6	3 3/16	3/8	5/8	1 9/16	2 11/16	4 3/16	3 1/4
51416HV	1 1/2"	2/10	1 1/2	4 3/8	3 3/8	3 13/16	3/8	5/8	1 15/16	2 11/16	4 3/16	3/12

HV MODELS FIT BOTH STANDARD & HIGH VELOCITY PUMPS.

NO.	DESCRIPTION	MATERIAL
1	FLANGED BODY	BRASS
2	END CAP	BRASS
3	SEATS	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	HANDLE	STEEL CP
9	HANDLE NUT	STAINLESS STEEL
10	HANDLE JACKET	VINYL
11	DRAIN VALVE SEATS	PTFE
12	DRAIN VALVE BALL	BRASS HCP
13	DRAIN VALVE STEM	BRASS
14	DRAIN VALVE STEM SEAL	PTFE
15	DRAIN VALVE HANDLE	ENAMEL COATED ALUMINUM
16	DRAIN VALVE HANDLE SCREW	BRASS
17	DRAIN VALVE CAP, WASHER & STRAP	BRASS W/ EPDM WASHER & STRAP
18	ROTATING FLANGE	BRASS
19	ROTATING FLANGE RING	STAINLESS STEEL
20	FLANGE BOLTS & NUTS	STEEL ZP



Specifications: Designed for residential, commercial or industrial use with water or a glycol mixture. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing nut. Flange features a conical inlet to minimize turbulence. The rotating flange is secured by a snug-fit snap-ring that provides greater control over positioning during installation. Multi-directional main valve allows for draining from either side of the pump. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

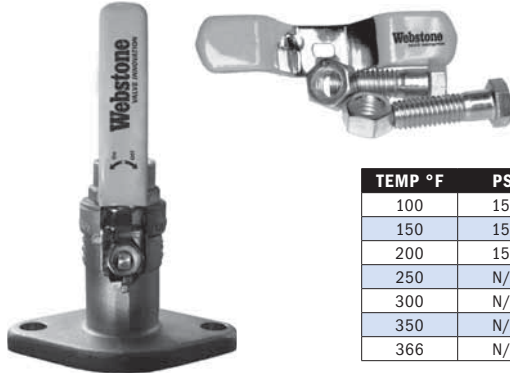
# The Isolator® Check Valve

Full Port Forged Brass Uni-Flange Ball Valves w/ Replaceable Integral Spring Check  
Bonus Wing Style "T" Handle, Nuts & Bolts

**600 WOG**  
**150 PSI @ 200°F**  
**ISO 9001**



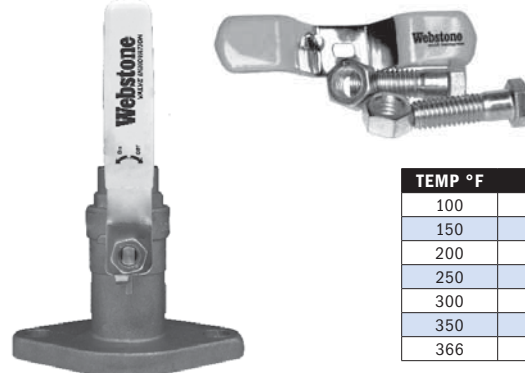
## 4240 Series - IPS x Flange



TEMP °F	PSI
100	150
150	150
200	150
250	N/A
300	N/A
350	N/A
366	N/A



## 5240 Series - SWT x Flange



TEMP °F	PSI
100	150
150	150
200	150
250	N/A
300	N/A
350	N/A
366	N/A

### 4240 Series - IPS x Flange

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G	H	I
42403	3/4"	1/10	3/4	3 1/4	2 1/4	4	3/8	1/2	1	2 11/16	4 1/8
42404	1"	1/10	1	4 1/16	2 1/2	4 5/8	3/8	1/2	1 1/4	2 11/16	4 1/8
42405	1 1/4"	1/10	1 1/4	4 15/16	2 15/16	4 5/8	3/8	1/2	1 9/16	2 11/16	4 1/8
42406	1 1/2"	1/10	1 1/2	4 15/16	3 3/8	5 1/2	3/8	1/2	1 15/16	2 11/16	4 1/8
42404HV	1"	1/10	1	4 1/16	2 1/2	4 5/8	3/8	5/8	1 1/4	2 11/16	4 1/8
42405HV	1 1/4"	1/10	1 1/4	4 15/16	2 15/16	4 5/8	3/8	5/8	1 9/16	2 11/16	4 1/8
42406HV	1 1/2"	1/10	1 1/2	4 15/16	3 3/8	5 1/2	3/8	5/8	1 15/16	2 11/16	4 1/8

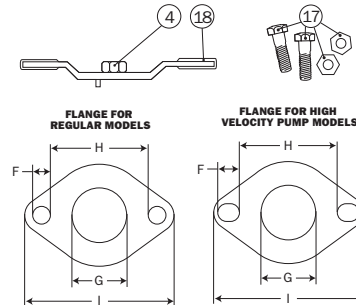
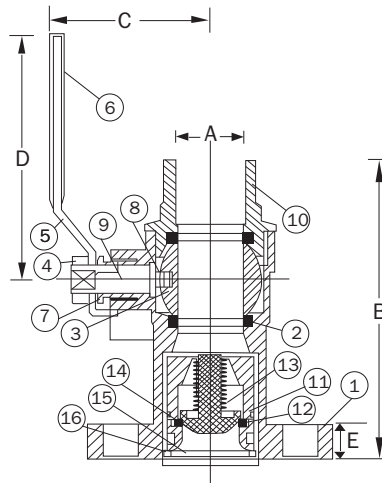
HV MODELS FIT BOTH STANDARD & HIGH VELOCITY PUMPS.

### 5240 Series - SWT x Flange

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G	H	I
52403	3/4"	1/10	3/4	3 7/16	2 5/16	4	3/8	1/2	1	2 11/16	4 1/8
52404	1"	1/10	1	4 7/16	2 1/2	4 5/8	3/8	1/2	1 1/4	2 11/16	4 1/8
52405	1 1/4"	1/10	1 1/4	5 13/16	2 15/16	4 5/8	3/8	1/2	1 9/16	2 11/16	4 1/8
52406	1 1/2"	1/10	1 1/2	5 13/16	3 3/8	5 1/2	3/8	1/2	1 15/16	2 11/16	4 1/8
52404HV	1"	1/10	1	4 7/16	2 1/2	4 5/8	3/8	5/8	1 1/4	2 11/16	4 1/8
52405HV	1 1/4"	1/10	1 1/4	5 13/16	2 15/16	4 5/8	3/8	5/8	1 9/16	2 11/16	4 1/8
52406HV	1 1/2"	1/10	1 1/2	5 13/16	3 3/8	5 1/2	3/8	5/8	1 15/16	2 11/16	4 1/8

HV MODELS FIT BOTH STANDARD & HIGH VELOCITY PUMPS.

NO.	DESCRIPTION	MATERIAL
1	FLANGED BODY	BRASS
2	SEATS	PTFE
3	BALL	BRASS HCP
4	HANDLE NUT	BRASS
5	LEVER HANDLE	STEEL CP
6	HANDLE JACKET	VINYL
7	PACKING GLAND	BRASS
8	STEM SEAL	PTFE
9	STEM	BRASS
10	END CAP	BRASS
11	CHECK VALVE BODY	ABS
12	O-RING - INNER SEAL	NBR
13	SPRING	STAINLESS STEEL 316
14	POPPET	ABS
15	O-RING - OUTER SEAL	ABS
16	RETAINING RING	STAINLESS STEEL 316
17	FLANGE BOLTS & NUTS	STEEL ZP
18	WING STYLE "T" HANDLE	STEEL CP W/ VINYL GRIPS



SIZE	C <sub>v</sub>	CRACKING PRESSURE (PSI)	RECOMMENDED FLOW RANGE (GPM)
3/4"	15.6	0.22	9-30
1"	27.4	0.15	16-50
1 1/4"	42.4	0.16	23-80
1 1/2"	66.6	0.17	55-120
2"	66.6	0.17	55-120

Specifications: Designed for residential, commercial or industrial use with water or a glycol mixture in conjunction with circulator pumps without integral checks. The valve operates in a horizontal or vertical position. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1 Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____



# The Isolator® Check Valve w/ Rotating Flange

Full Port Forged Brass Uni-Flange Ball Valves w/ Replaceable Integral Spring Check & Detachable Rotating Flange • Bonus Wing Style "T" Handle, Nuts & Bolts

**600 WOG**  
**150 PSI @ 200°F**  
**ISO 9001**



## 4340 Series - IPS x Rotating Flange



TEMP °F	PSI
100	150
150	150
200	150
250	N/A
300	N/A
350	N/A
366	N/A



## 5340 Series - SWT x Rotating Flange



TEMP °F	PSI
100	150
150	150
200	150
250	N/A
300	N/A
350	N/A
366	N/A

### 4340 Series - IPS x Rotating Flange

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G	H	I
43403	3/4"	1/10	3/4	3 1/4	2 1/4	4	3/8	1/2	1	2 11/16	4 1/8
43404	1"	1/10	1	4 1/16	2 1/2	4 5/8	3/8	1/2	1 1/4	2 11/16	4 1/8
43405	1 1/4"	1/10	1 1/4	4 15/16	2 15/16	4 5/8	3/8	1/2	1 9/16	2 11/16	4 1/8
43406	1 1/2"	1/10	1 1/4	4 15/16	3 3/8	5 1/2	3/8	1/2	1 15/16	2 11/16	4 1/8
43403HV	3/4"	1/10	3/4	3 1/4	2 1/4	4	3/8	5/8	1	2 11/16	4 1/8
43404HV	1"	1/10	1	4 1/16	2 1/2	4 5/8	3/8	5/8	1 1/4	2 11/16	4 1/8
43405HV	1 1/4"	1/10	1 1/4	4 15/16	2 15/16	4 5/8	3/8	5/8	1 9/16	2 11/16	4 1/8
43406HV	1 1/2"	1/10	1 1/4	4 15/16	3 3/8	5 1/2	3/8	5/8	1 15/16	2 11/16	4 1/8

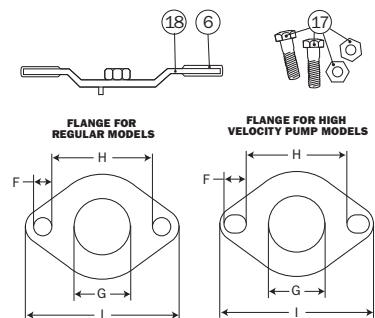
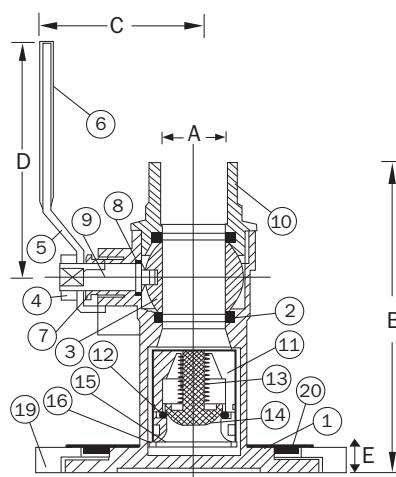
HV MODELS FIT BOTH STANDARD & HIGH VELOCITY PUMPS.

### 5340 Series - SWT x Rotating Flange

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G	H	I
53403	3/4"	1/10	3/4	3 7/16	2 1/4	4	3/8	1/2	1	2 11/16	4 1/8
53404	1"	1/10	1	4 7/16	2 1/2	4 5/8	3/8	1/2	1 1/4	2 11/16	4 1/8
53405	1 1/4"	1/10	1 1/4	5 3/16	2 15/16	4 5/8	3/8	1/2	1 9/16	2 11/16	4 1/8
53406	1 1/2"	1/10	1 1/4	5 3/16	3 3/8	5 1/2	3/8	1/2	1 15/16	2 11/16	4 1/8
53403HV	3/4"	1/10	3/4	3 7/16	2 1/4	4	3/8	5/8	1	2 11/16	4 1/8
53404HV	1"	1/10	1	4 7/16	2 1/2	4 5/8	3/8	5/8	1 1/4	2 11/16	4 1/8
53405HV	1 1/4"	1/10	1 1/4	5 3/16	2 15/16	4 5/8	3/8	5/8	1 9/16	2 11/16	4 1/8
53406HV	1 1/2"	1/10	1 1/4	5 3/16	3 3/8	5 1/2	3/8	5/8	1 15/16	2 11/16	4 1/8

HV MODELS FIT BOTH STANDARD & HIGH VELOCITY PUMPS.

NO.	DESCRIPTION	MATERIAL
1	FLANGED BODY	BRASS
2	SEATS	PTFE
3	BALL	BRASS HCP
4	HANDLE NUT	BRASS
5	LEVER HANDLE	STEEL CP
6	HANDLE JACKET	VINYL
7	PACKING GLAND	BRASS
8	STEM SEAL	PTFE
9	STEM	BRASS
10	END CAP	BRASS
11	CHECK VALVE BODY	ABS
12	O-RING - INNER SEAL	NBR
13	SPRING	STAINLESS STEEL 316
14	POPPET	ABS
15	O-RING - OUTER SEAL	ABS
16	RETAINING RING	STAINLESS STEEL 316
17	FLANGE BOLTS & NUTS	STEEL ZP
18	WING STYLE "T" HANDLE	STEEL CP W/ VINYL GRIPS
19	ROTATING FLANGE	BRASS
20	FLANGE RING	ABS



SIZE	C <sub>v</sub>	CRACKING PRESSURE (PSI)	RECOMMENDED FLOW RANGE (GPM)
3/4"	15.6	0.22	9-30
1"	27.4	0.15	16-50
1 1/4"	42.4	0.16	23-80
1 1/2"	42.4	0.16	23-80

Specifications: Designed for residential, commercial or industrial use with water or a glycol mixture in conjunction with circulator pumps without integral checks. The valve operates in a horizontal or vertical position. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# The Isolator® Double Flanged Check

Forged Brass Check Valve w/ Rotating Flange  
Includes one set of Mounting Bolts & Full Faced Flange Gasket

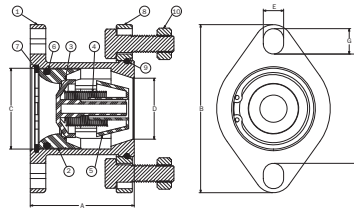
**150 PSI @ 200°F**  
**ISO 9001**  
**Patent Pending**



## 1370 Series



NO.	DESCRIPTION	MATERIAL
1	FLANGE BODY	BRASS
2	CHECK VALVE BODY	ABS
3	O-RING INNER SEAL	NBR
4	SPRING	STAINLESS STEEL
5	POPPET	ABS
6	O-RING OUTER SEAL	NBR
7	RETAINING RING	STAINLESS STEEL
8	ROTATING FLANGE	BRASS
9	ROTATING FLANGE RING	STAINLESS STEEL
10	FLANGE NUTS & BOLTS	STEEL ZP



TEMP °F	PSI
100	150
150	150
200	150
250	N/A
300	N/A
350	N/A
366	N/A

### 1370 Series - Flange x Rotating Flange

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
13706HV	1/2" or 2"	1/10	2 9/16	4 3/16	2	1 1/2	3/8	2 11/16	5/8

Specifications: Designed for residential, commercial or industrial use with water or a glycol mixture in conjunction with circulator pumps without integral checks. The valve operates in a horizontal or vertical position. The rotating flange is secured by a snug-fit snap-ring that provides greater control over positioning during installation.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____



## CIRCULATOR PUMP INSTALLATION KITS

### THE ISOLATOR® CIRCULATOR PUMP INSTALLATION KIT



ITEM #	SIZE	CTN/CASE	WT/CASE
<b>IPS x FLANGE</b>			
40413KIT	3/4"	1/10	40
40414KIT	1"	1/10	47
40415KIT	1 1/4"	1/10	57
<b>SWT x FLANGE</b>			
50413KIT	3/4"	1/10	40
50414KIT	1"	1/10	48
50415KIT	1 1/4"	1/10	59

1" - 1 1/4" also available for High Velocity Pumps.  
To order, add HV onto the end of the part # before "KIT".

### THE ISOLATOR® W/ ROTATING FLANGE CIRCULATOR PUMP INSTALLATION KIT

ITEM #	SIZE	CTN/CASE	WT/CASE
<b>IPS x ROTATING FLANGE</b>			
41413KIT	3/4"	1/10	38
41414KIT	1"	1/10	39
41415KIT	1 1/4"	1/10	60
<b>SWT x ROTATING FLANGE</b>			
51413KIT	3/4"	1/10	37
51414KIT	1"	1/10	47
51415KIT	1 1/4"	1/10	60

Also available for High Velocity Pumps. To order, add HV onto the end of the part # before "KIT".



## EVERYTHING BUT THE PUMP!

- 1 ISOLATOR®
- 1 ISOLATOR® W/DRAIN
- 2 FULL-FACED FLANGE GASKETS
- 2 SETS OF NUTS & BOLTS
- & BONUS WING STYLE "T" HANDLES

**Pro-Pal® T-Drain™**

Full Port Forged Brass Fitting  
w/ Hi-Flow Hose Drain

**600 WOG  
ISO 9001**



**4067 Series - IPS**



TEMP °F	PSI
100	600
150	490
200	470
250	439
300	411
350	294
366	N/A



**5067 Series - SWT**



TEMP °F	PSI
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A

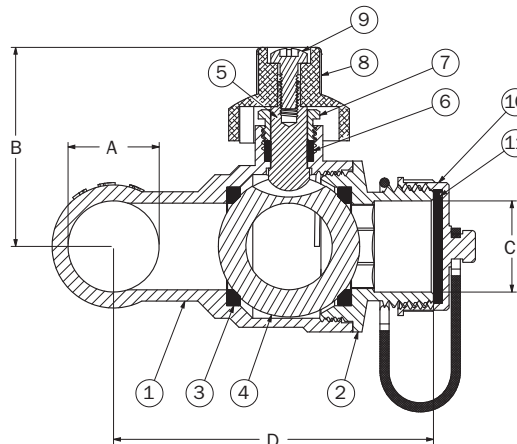
**4067 Series - IPS**

ITEM #	SIZE	CTN/CASE	A	B	C	D
40672	1/2"	10/80	1/2	1 15/16	1/2	2 15/16
40673	3/4"	8/48	3/4	2 5/16	1/2	3 7/16
40674	1"	8/48	1	2 5/16	1/2	3 13/16
40675	1 1/4"	6/24	1 1/4	2 7/8	3/4	4 1/4
40676	1 1/2"	4/24	1 1/2	2 7/8	3/4	4 5/8
40677	2"	2/20	2	3	3/4	5 3/16

**5067 Series - SWT**

ITEM #	SIZE	CTN/CASE	A	B	C	D
50672	1/2"	10/80	1/2	1 3/4	1/2	2 3/16
50673	3/4"	8/48	3/4	2 3/8	1/2	2 13/16
50674	1"	8/48	1	2 13/16	1/2	2 13/16
50675	1 1/4"	6/24	1 1/4	3 3/16	3/4	2 13/16
50676	1 1/2"	4/24	1 1/2	3 3/8	3/4	2 13/16
50677	2"	2/20	2	3 5/8	3/4	3 1/16

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEAT	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	HANDLE	ENAMEL COATED ALUMINUM
9	HANDLE SCREW	BRASS
10	CAP & STRAP	BRASS W/ EPDM STRAP
11	WASHER	EPDM



Specifications: Designed for residential, commercial or industrial use with water, oil or gas. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

**THIS SPACE FOR DESIGNER / ENGINEER APPROVAL**

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# Pro-Pal® Ball Drain

Full Port Forged Brass Ball Valves  
w/ Hi-Flow Hose Drain & Reversible Handle

**600 WOG  
ISO 9001**



## 4061 Series - IPS



TEMP °F	PSI
100	600
150	490
200	470
250	439
300	411
350	294
366	N/A



## 5061 Series - SWT



TEMP °F	PSI
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A



## 5461 Series - SWT x IPS



TEMP °F	PSI
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A

### 4061 Series - IPS

ITEM#	SIZE	CTN/CASE	A	B	C	D	E	F
40612	1/2"	6/36	1/2	2 1/2	2	3 7/8	2 1/2	1/2
40613	3/4"	6/36	3/4	2 5/8	2 1/16	3 7/8	2 3/8	1/2
40614	1"	4/24	1	3 1/4	2 5/8	4 5/8	2 1/2	1/2
40615	1 1/4"	2/12	1 1/4	3 1/2	3	4 5/8	3	3/4
40616	1 1/2"	2/12	1 1/2	3 7/8	3 1/2	5 5/8	3 1/16	3/4
40617	2"	1/6	2	4 3/8	4	5 5/8	4	3/4

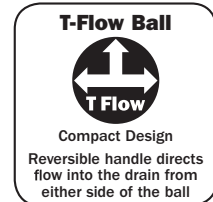
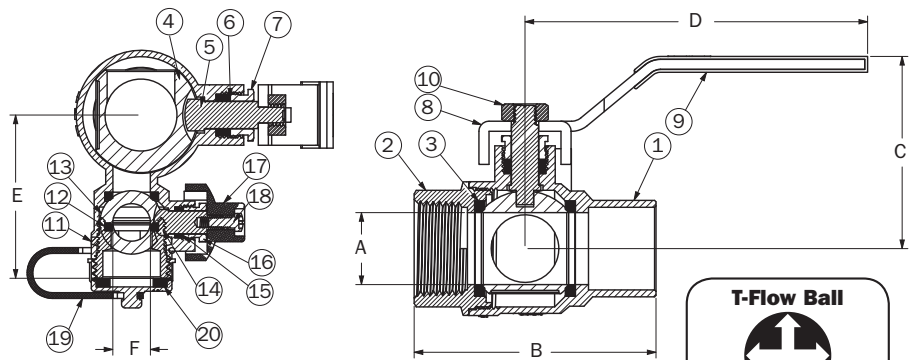
### 5061 Series - SWT

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F
50612	1/2"	6/36	1/2	2	2	3 7/8	2 1/2	1/2
50613	3/4"	6/36	3/4	2 7/8	2 1/16	3 7/8	2 3/8	1/2
50614	1"	4/24	1	3 9/16	2 5/8	4 5/8	2 1/2	1/2
50615	1 1/4"	2/12	1 1/4	3 7/8	3	4 5/8	3	3/4
50616	1 1/2"	2/12	1 1/2	4 5/8	3 1/2	5 5/8	3 1/16	3/4
50617	2"	1/6	2	5 1/2	4	5 5/8	4	3/4

### 5461 Series - SWT x IPS

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F
54612	1/2"	6/36	1/2	2 1/16	2	3 7/8	2 1/2	1/2
54613	3/4"	6/36	3/4	2 3/4	2 1/16	3 7/8	2 3/8	1/2
54614	1"	4/24	1	3 3/8	2 5/8	4 5/8	2 1/2	1/2

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEAT	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	LEVER HANDLE	STEEL CP
9	HANDLE JACKET	VINYL
10	HANDLE NUT	STAINLESS STEEL
11	END CAP	BRASS
12	SEAT	PTFE
13	BALL	BRASS HCP
14	STEM	BRASS
15	STEM SEAL	PTFE
16	PACKING GLAND	BRASS
17	HANDLE	ENAMEL COATED ALUMINUM
18	HANDLE SCREW	BRASS
19	CAP & STRAP	BRASS W/ EPDM STRAP
20	WASHER	EPDM



Specifications: Designed for residential, commercial or industrial use with water, oil or gas. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____



# Pro-Pal® Union Ball Drain

Full Port Forged Brass Ball Valves  
w/ Hi-Flow Hose Drain & Reversible Handle

**600 WOG**  
**ISO 9001**



## 4043 Series - IPS Union x IPS



TEMP °F	PSI
100	600
150	490
200	470
250	439
300	411
350	294
366	N/A

### 4043 Series - IPS Union x IPS

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F
40433	3/4"	6/24	3/4	4 3/8	2 1/16	4	2 7/16	1/2
40434	1"	4/16	1	4 11/16	2 5/8	4 1/16	2 1/2	1/2
40435	1 1/4"	2/12	1 1/4	4 11/16	3	4 5/16	2 15/16	3/4
40436	1 1/2"	2/12	1 1/2	5 5/8	3 1/2	5 3/16	3 1/8	3/4



## 5043 Series - IPS Union x SWT

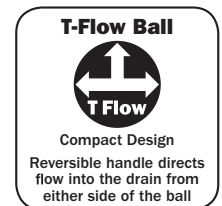
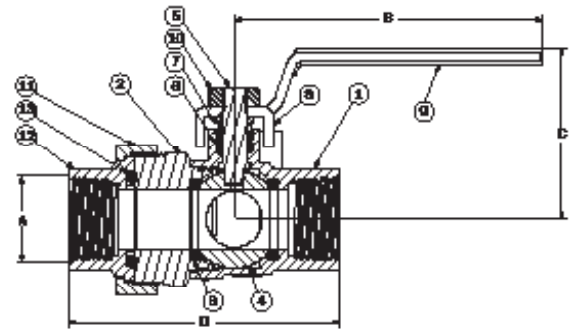
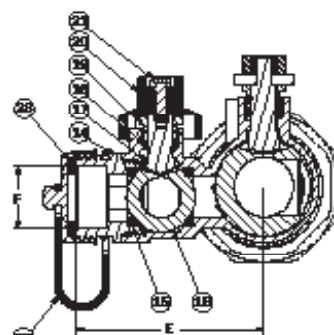


TEMP °F	PSI
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A

### 5043 Series - IPS Union x SWT

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F
50433	3/4"	6/24	3/4	4 5/8	2	3 5/8	2 5/16	1/2
50434	1"	4/16	1	4 11/16	2 5/8	4 3/16	2 1/2	1/2
50435	1 1/4"	2/12	1 1/4	4 11/16	3	4 1/2	2 5/16	3/4
50436	1 1/2"	2/12	1 1/2	5 3/8	3 1/2	5 1/2	3 1/8	3/4

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEAT	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	LEVER HANDLE	STEEL CP
9	HANDLE JACKET	VINYL
10	HANDLE NUT	STAINLESS STEEL
11	UNION NUT	BRASS
12	FITTING	BRASS
13	O-RING	EPDM
14	END CAP	BRASS
15	SEAT	PTFE
16	BALL	BRASS HCP
17	STEM	BRASS
18	STEM SEAL	PTFE
19	PACKING GLAND	BRASS
20	HANDLE	ENAMEL COATED ALUMINUM
21	HANDLE SCREW	BRASS
22	CAP & STRAP	BRASS W/ EPDM STRAP
23	WASHER	EPDM



Specifications: Designed for residential, commercial or industrial use with water, oil or gas. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

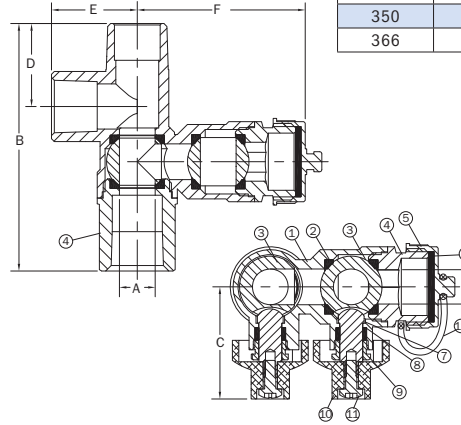
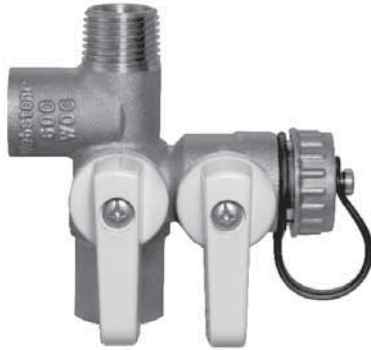
# Pro-Pal® Expansion Tank Pro Service Valve

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

**600 WOG  
ISO 9001**



## 41672 - FIP x MIP x FIP x HOSE



TEMP °F	PSI
100	600
150	490
200	470
250	439
300	411
350	294
366	N/A

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	SEAT	PTFE
3	BALL	BRASS HCP
4	END CAP	BRASS
5	CAP	BRASS
6	WASHER	EPDM
7	STEM	BRASS
8	PACKING	PTFE
9	PACKING GLAND	BRASS
10	HANDLE	ENAMEL COATED ALUMINUM
11	HANDLE SCREW	BRASS
12	STRAP	PLASTIC

Specifications: Designed for residential or light commercial use with water or oil. This approved Webstone valve allows for isolation and draining of an expansion tank in a closed loop hydronic heating system. It is actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1.

### 41672 - FIP x MIP x FIP x HOSE

ITEM#	SIZE	CTN/CASE	A	B	C	D	E	F
41672	1/2"	1/30	1/2	3 3/8	1 9/16	1 1/8	1 3/16	2 5/16

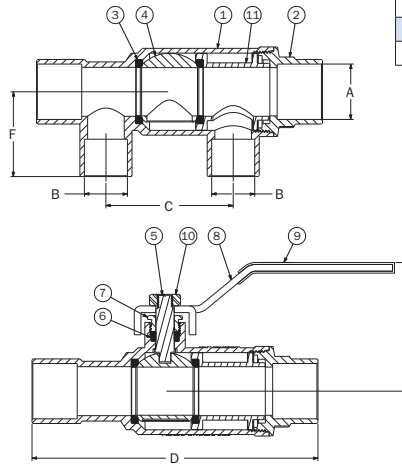
# Pro-Pal® Purge Tee

Full Port Forged Brass Ball Valves • Primary/Secondary Loop Purge Tee  
Reversible Handle

**600 WOG  
ISO 9001  
Patents Pending**



## 5864-5866 Series - CxC



TEMP °F	PSI
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEAT	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	HANDLE	STEEL CP
9	HANDLE JACKET	VINYL
10	HANDLE NUT*	STAINLESS STEEL
11	SEAT RETAINER	BRASS

\*CP STEEL NUTS FOR MODELS 58652, 58662, 58663, & 58664.

Specifications: Designed for residential, commercial or industrial use with water, oil or gas. This approved Webstone valve is specifically designed for power purging individual loops in a hydronic heating system and ensures the critical distance between tees is within tolerance for hydronic separation. Actuated by a blowout proof stem and features an adjustable packing gland. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

### 5864-5866 Series - CxC

ITEM #	RUN SIZE	BRANCH SIZE	CTN/CASE	A	B	C	D	E	F
58643	1"	3/4"	1/12	1	3/4	2 11/16	5 13/16	2 3/8	1 11/16
58644	1"	1"	1/12	1	1	2 7/8	6 1/4	2 7/16	1 7/8
58652	1 1/4"	1/2"	1/12	1 1/4	1/2	2 5/8	5 3/4	2 9/16	1 11/16
58653	1 1/4"	3/4"	1/12	1 1/4	3/4	3 1/4	6 5/16	2 1/4	2 1/8
58654	1 1/4"	1"	1/12	1 1/4	1	3 1/4	7	2 9/16	2 3/16
58655	1 1/4"	1 1/4"	1/12	1 1/4	1 1/4	3 1/4	7 3/16	2 5/8	2 1/8
58662	1 1/2"	1/2"	1/12	1 1/2	1/2	2 15/16	6 5/8	2 15/16	1 11/16
58663	1 1/2"	3/4"	1/12	1 1/2	3/4	3 1/8	7 7/8	2 15/16	2 1/8
58664	1 1/2"	1"	1/12	1 1/2	1	3 3/8	7 7/8	2 15/16	2 1/4

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# Pro-Pal® Purge & Fill

Full Port Forged Brass Ball Valves  
w/ (2) Hi-Flow Hose Drains

**600 WOG**  
**ISO 9001**  
**Patents Pending**



## 4861 Series - IPS



TEMP °F	PSI
100	600
150	490
200	470
250	439
300	411
350	294
366	N/A

### 4861 Series - IPS

ITEM#	SIZE	CTN/CASE	A	B	C	D	E	F
48613	3/4"	1/12	3/4	3 15/16	2 1/8	3 7/8	2 3/8	1/2
48614	1"	1/12	1	4 5/16	2 9/16	4 5/8	2 9/16	1/2
48615	1 1/4"	1/12	1 1/4	4 7/8	2 7/8	4 5/8	2 15/16	3/4
48616	1 1/2"	1/12	1 1/2	5 1/16	3 7/16	5 9/16	3 1/6	3/4



## 5861 Series - SWT

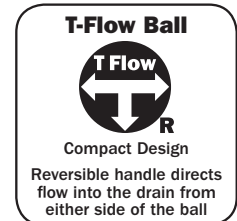
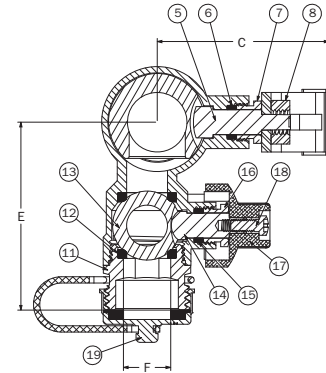
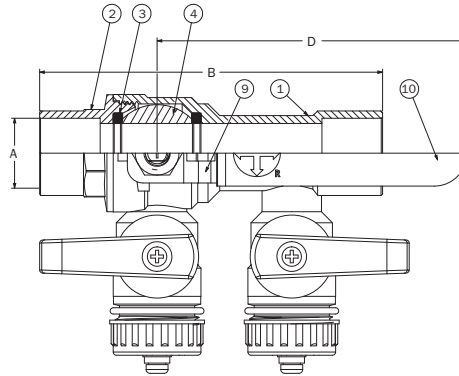


TEMP °F	PSI
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A

### 5861 Series - SWT

ITEM#	SIZE	CTN/CASE	A	B	C	D	E	F
58613	3/4"	1/12	3/4	4 5/16	2 1/8	3 7/8	2 3/8	1/2
58614	1"	1/12	1	4 3/4	2 9/16	4 5/8	2 5/8	1/2
58615	1 1/4"	1/12	1 1/4	5 1/2	2 7/8	4 5/8	3	3/4
58616	1 1/2"	1/12	1 1/2	6	3 7/16	5 9/16	3 1/2	3/4

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEAT	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	HANDLE NUT	STAINLESS STEEL
9	HANDLE	STEEL CP
10	HANDLE JACKET	VINYL
11	DRAIN END CAP	BRASS
12	DRAIN SEAT	PTFE
13	DRAIN BALL	BRASS HCP
14	DRAIN STEM	BRASS
15	DRAIN STEM SEAL	PTFE
16	DRAIN PACKING	BRASS
17	DRAIN VALVE HANDLE	ENAMEL COATED ALUMINUM
18	DRAIN VALVE HANDLE SCREW	BRASS
19	CAP & STRAP	BRASS W/ EPDM STRAP

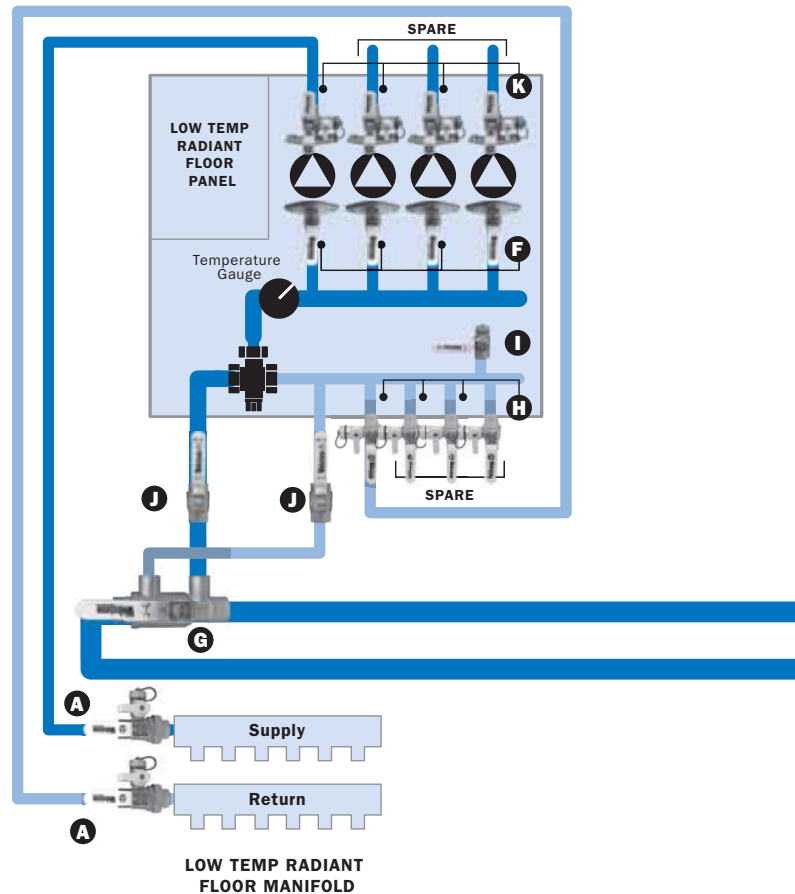


Specifications: Suitable for residential, commercial or industrial use with water or oil, this valve was specifically designed for filling and draining glycol/antifreeze from any point in a hydronic system. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

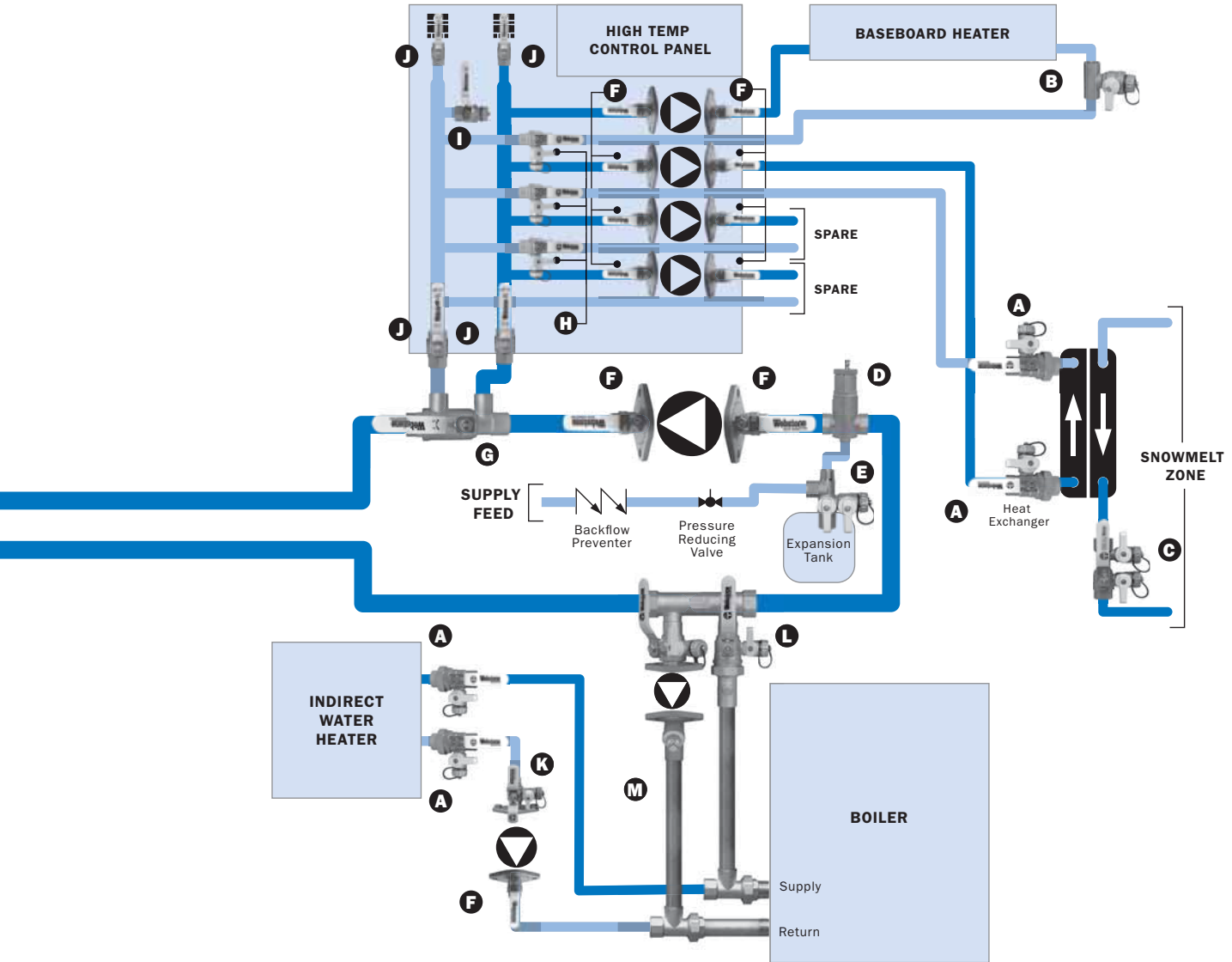
# WHERE WOULD YOU USE Webstone VALVE INNOVATION TO WORK SMARTER?



			LEAK PATHS AVOIDED	ESTIMATED LABOR SAVINGS PER VALVE	VALVES USED	
<b>A</b>		• 6 in 1 alternative replaces a union + 2 nipples + ball valve + tee fitting + boiler drain	<b>5</b>	<b>45 minutes</b>	<b>6</b>	Page 17
<b>B</b>		• 2 in 1 alternative replaces a tee fitting + boiler drain	<b>1</b>	<b>9 minutes</b>	<b>1</b>	Page 15
<b>C</b>		• 7 in 1 alternative replaces 2 boiler drains + 2 tees + 2 close nipples + ball valve	<b>6</b>	<b>54 minutes</b>	<b>1</b>	Page 19
<b>D</b>	<b>Air Separator</b>				<b>1</b>	Page 37
<b>E</b>		• 4 in 1 alternative replaces a ball valve + 2 tee fittings + boiler drain	<b>5</b>	<b>45 minutes</b>	<b>1</b>	Page 18
<b>F</b>		• 3 in 1 alternative replaces a flange + a nipple + a ball valve	<b>2</b>	<b>18 minutes</b>	<b>15</b>	Page 8 - 14
<b>G</b>		• 5 in 1 alternative replaces a tee fitting + 2 nipples + a ball valve + a tee fitting	<b>4</b>	<b>36 minutes</b>	<b>2</b>	Page 18
<b>H</b>		• 4 in 1 alternative replaces a ball valve + nipple + tee fitting + boiler drain	<b>3</b>	<b>27 minutes</b>	<b>8</b>	Page 16

**ADVANTAGES TO COMPLETE INSTALLATION:**





			LEAK PATHS AVOIDED	ESTIMATED LABOR SAVINGS PER VALVE	VALVES USED	
<b>I</b>	<b>Ball Valve w/ Hose End</b>				<b>2</b>	Page 33
<b>J</b>	<b>Brass Ball Valves</b>				<b>7</b>	Pages 29-36
<b>K</b>	<b>The ISOLATOR<sup>®</sup></b> UNI-FLANGE BALL VALVE	• 7 in 1 alternative replaces a flange + 3 nipples + a tee + boiler drain + a ball valve	<b>6</b>	<b>54 minutes</b>	<b>5</b>	Page 33
<b>L</b>	<b>HYDRO-CORE</b>	• Replaces 13 individual components	<b>13</b>	<b>120 minutes</b>	<b>1</b>	Pages 4-6
<b>M</b>	<b>HYDRO-CORE</b> COMPLETE NEAR BOILER PIPING KIT	• Replaces 13 individual components	<b>12</b>	<b>108 minutes</b>	<b>1</b>	Page 7

**159** LEAK PATHS AVOIDED

**24**

ESTIMATED HOURS OF LABOR SAVED

# The Isolator® E-X-P™ Tankless Water Heater Service Valve Kits

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

**600 WOG**  
**ISO 9001**  
**Patented Technology**

The ISOLATOR®  
**E-X-P**  
TWH SERVICE VALVES

**4044 Series**  
**IPS Union x IPS**

IDEAL FOR  
USE WITH  
COMBI  
BOILERS

The ISOLATOR®  
**E-X-P**  
TWH SERVICE VALVES

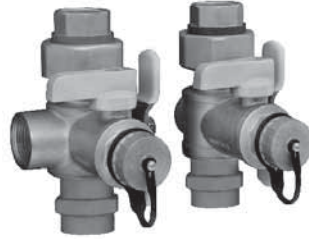
**5044 Series**  
**IPS Union x SWT**

The ISOLATOR®  
**E-X-P**  
TWH SERVICE VALVES

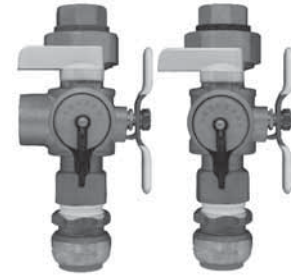
**6044 Series**  
**IPS Union x PUSH**



TEMP °F	PSI
100	600
150	490
180	478



TEMP °F	PSI
100	600
150	485
180	431



TEMP °F	PSI
100	200
150	200
180	200

Kits include 2 MIP x PUSH Fittings

## 4044 Series - IPS Union x IPS

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
<b>40443</b>	<b>3/4"</b>	<b>1/8</b>	3/4	4 15/16	1 1/2	1 13/16	2 7/8	3/4	3/4
<b>RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)</b>									
<b>40443PR</b>	<b>3/4"</b>	<b>1/8</b>	3/4	4 15/16	1 1/2	1 13/16	2 7/8	3/4	3/4
<b>COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) &amp; 3/4" CLOSE NIPPLE</b>									
<b>40443PR2</b>	<b>3/4"</b>	<b>1/6</b>	3/4	4 15/16	1 1/2	1 13/16	2 7/8	3/4	3/4

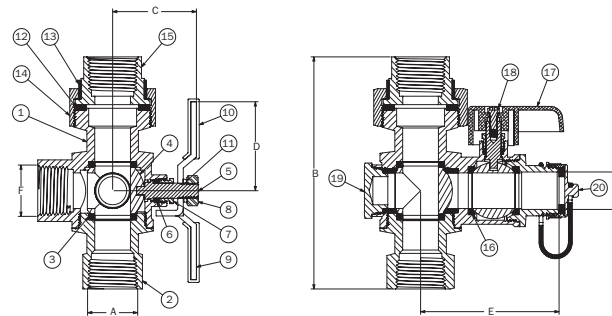
## 5044 Series - IPS Union x SWT

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
<b>50443</b>	<b>3/4"</b>	<b>1/8</b>	3/4	4 15/16	1 1/2	1 13/16	2 7/8	3/4	3/4
<b>RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)</b>									
<b>50443PR</b>	<b>3/4"</b>	<b>1/8</b>	3/4	4 15/16	1 1/2	1 13/16	2 7/8	3/4	3/4
<b>COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) &amp; 3/4" CLOSE NIPPLE</b>									
<b>50443PR2</b>	<b>3/4"</b>	<b>1/6</b>	3/4	4 15/16	1 1/2	1 13/16	2 7/8	3/4	3/4

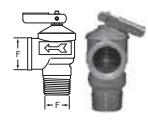
## 6044 Series - IPS Union x PUSH

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
<b>60443</b>	<b>3/4"</b>	<b>1/8</b>	3/4	6 1/8	1 3/4	1 7/8	2 7/8	3/4	3/4
<b>RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)</b>									
<b>60443PR</b>	<b>3/4"</b>	<b>1/8</b>	3/4	6 1/8	1 3/4	1 7/8	2 7/8	3/4	3/4
<b>COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) &amp; 3/4" CLOSE NIPPLE</b>									
<b>60443PR2</b>	<b>3/4"</b>	<b>1/6</b>	3/4	6 1/8	1 3/4	1 7/8	2 7/8	3/4	3/4

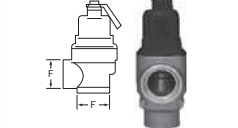
NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEAT	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	HANDLE NUT	STAINLESS STEEL
9	HANDLE	STAINLESS STEEL
10	HANDLE JACKET	VINYL
11	LOCK WASHER	STAINLESS STEEL
12	UNION WASHER	EPDM
13	COLORLED INSULATOR RING	ABS
14	UNION NUT	BRASS
15	UNION FITTING	BRASS
16	RETAINING SEATS	PTFE
17	DRAIN VALVE HANDLE	ENAMEL COATED ALUMINUM
18	DRAIN VALVE HANDLE SCREW	BRASS
19	RETAINING NUT	BRASS
20	CAP & STRAP	BRASS W/ EPDM HOSE WASHER & STRAP



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



**COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) & 3/4" CLOSE NIPPLE**



**INCLUDED WITH 6044 SERIES (2) MIP x PUSH FITTINGS (200 WOG/200° MAX)**



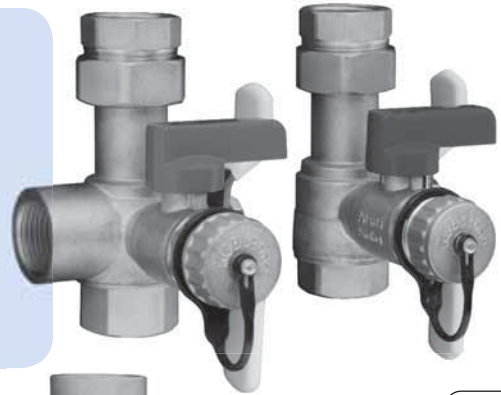
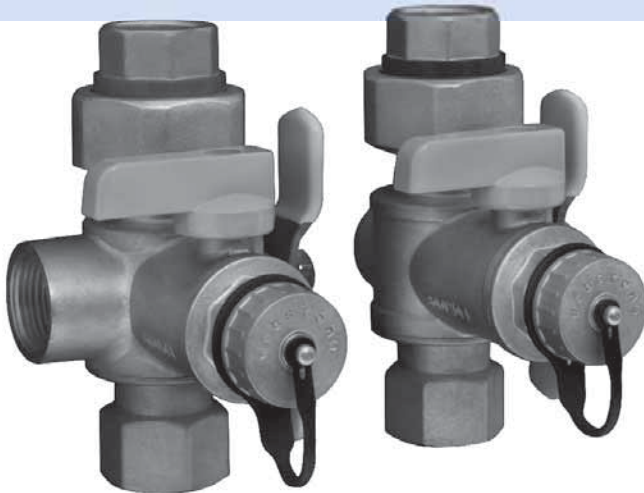
Specifications: Designed for residential or commercial use with potable water. This approved Webstone valve features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

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

**THE VALVE OF YOUR CHOICE...**



IDEAL FOR  
USE WITH  
COMBI  
BOILERS

**WITH THE ACCESSORIES THAT YOU NEED**

- 200,000 BTU PRESSURE RELIEF VALVE
- 24" x 3/4" GAS FLEX LINE
- 3/4" CGA GAS BALL VALVE



PART #	DESCRIPTION
40443COM	IPS ISOLATOR® E-X-P™ Complete
50443COM	SWT ISOLATOR® E-X-P™ Complete
44443COM	IPS ISOLATOR® E-X-P™ E2 Complete
54443COM	SWT ISOLATOR® E-X-P™ E2 Complete
44043COM	IPS ISOLATOR® E-X-P™ E2 Complete w/ CleanBrass Construction
54043COM	SWT ISOLATOR® E-X-P™ E2 Complete w/ CleanBrass Construction
45443COM	IPS ISOLATOR® E-X-P™ E3 Complete
55443COM	SWT ISOLATOR® E-X-P™ E3 Complete
45043COM	IPS ISOLATOR® E-X-P™ E3 Complete w/ CleanBrass Construction
55043COM	SWT ISOLATOR® E-X-P™ E3 Complete w/ CleanBrass Construction

- The highest level of service & protection
- Higher BTU gas connectors designed specifically for use with tankless water heaters
- An original Webstone CSA certified Gas Ball Valve
- The only service valves of their kind backed by a lifetime warranty

**NEED A CUSTOM KIT?**

CALL OUR  
KNOWLEDGEABLE  
SALES  
PROFESSIONALS  
AT (800) 225-9529 TO  
DESIGN A KIT  
TO MEET YOUR  
SPECIFIC NEEDS.

# The Isolator<sup>®</sup> E-X-P E2™ Tankless Water Heater Service Valve Kits

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

**500 WOG**  
**Patented**  
**Technology**

The ISOLATOR<sup>®</sup>  
**E-X-P E2**  
TWH SERVICE VALVES

## 4444 Series IPS Union x IPS

IDEAL FOR  
USE WITH  
COMBI  
BOILERS

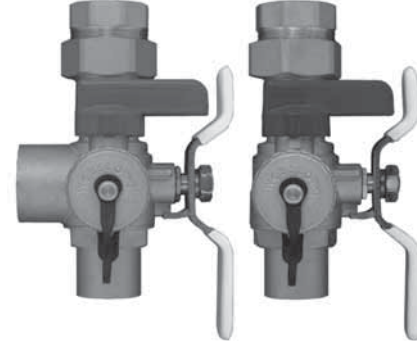
The ISOLATOR<sup>®</sup>  
**E-X-P E2**  
TWH SERVICE VALVES

## 5444 Series IPS Union x SWT



Conforms to NSF/ANSI 61-8

TEMP °F	PSI
100	500
150	408
180	398



Conforms to NSF/ANSI 61-8

TEMP °F	PSI
100	500
150	408
180	398

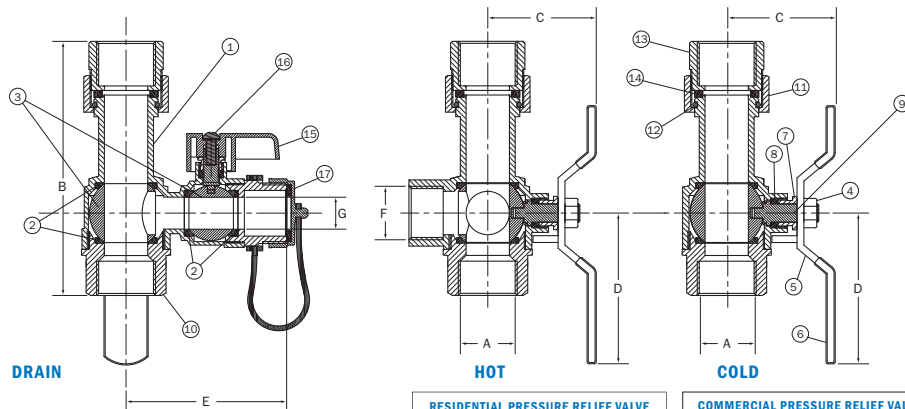
### 4444 Series - IPS Union x IPS

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
<b>RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)</b>									
44443PR	3/4"	1/10	3/4	4 1/4	1 5/8	2 5/8	2 3/4	3/4	1/2
44444PR	1"	1/10	1	5	2 3/8	2 3/8	2 3/4	3/4	3/4
<b>RESIDENTIAL PRESSURE RELIEF VALVE (30 PSI/510,000 BTU)</b>									
44443PR3	3/4"	1/10	3/4	4 1/4	1 5/8	2 5/8	2 3/4	3/4	1/2
44444PR3	1"	1/10	1	5	2 3/8	2 3/8	2 3/4	3/4	3/4
<b>COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) &amp; 3/4" CLOSE NIPPLE</b>									
44443PR2	3/4"	1/6	3/4	4 1/4	1 5/8	2 5/8	2 3/4	3/4	1/2
44444PR2	1"	1/6	1	5	2 3/8	2 3/8	2 3/4	3/4	3/4

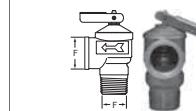
### 5444 Series - IPS Union x SWT

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
<b>RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)</b>									
54443PR	3/4"	1/10	3/4	4 3/4	1 5/8	2 5/8	2 3/4	3/4	1/2
54444PR	1"	1/10	1	5 1/8	2 3/8	2 3/8	2 3/4	3/4	3/4
<b>RESIDENTIAL PRESSURE RELIEF VALVE (30 PSI/510,000 BTU)</b>									
54443PR3	3/4"	1/10	3/4	4 3/4	1 5/8	2 5/8	2 3/4	3/4	1/2
54444PR3	1"	1/10	1	5 1/8	2 3/8	2 3/8	2 3/4	3/4	3/4
<b>COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) &amp; 3/4" CLOSE NIPPLE</b>									
54443PR2	3/4"	1/6	3/4	4 3/4	1 5/8	2 5/8	2 3/4	3/4	1/2
54444PR2	1"	1/6	1	5 1/8	2 3/8	2 3/8	2 3/4	3/4	3/4

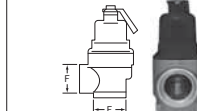
NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	SEATS	PTFE
3	BALL	BRASS HCP
4	HANDLE NUT	STAINLESS STEEL
5	HANDLE	STEEL CP
6	HANDLE JACKET	VINYL
7	PACKING GLAND	BRASS
8	STEM SEAL	PTFE
9	STEM	BRASS
10	END CAP	BRASS
11	UNION NUT	BRASS
12	RETAINING RING	STAINLESS STEEL
13	UNION FITTING	BRASS
14	WASHER	EPDM
15	DRAIN VALVE HANDLE	ENAMEL COATED ALUMINUM
16	DRAIN VALVE HANDLE SCREW	BRASS
17	CAP & STRAP	BRASS W/ EPDM HOSE WASHER & STRAP



RESIDENTIAL PRESSURE RELIEF VALVE  
AVAILABLE IN 30 PSI OR  
150 PSI 510,000 BTU



COMMERCIAL PRESSURE RELIEF VALVE  
(150 PSI/2,703,000 BTU)  
& 3/4" CLOSE NIPPLE



Specifications: Designed for residential or commercial use with potable water. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____



# Isolator® E-X-P E2™ w/ CleanBrass Construction Tankless Water Heater Service Valve Kits

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

**500 WOG**  
**Patented**  
**Technology**

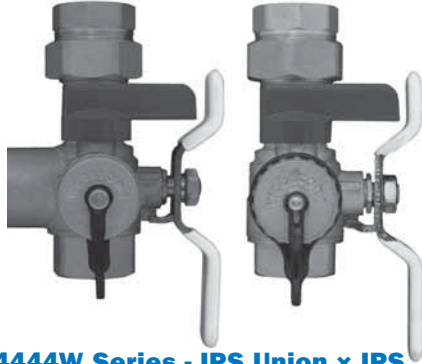
The ISOLATOR®  
**E-X-P E2**  
TWH SERVICE VALVES

## 4444W Series IPS Union x IPS

IDEAL FOR  
USE WITH  
COMBI  
BOILERS

The ISOLATOR®  
**E-X-P E2**  
TWH SERVICE VALVES

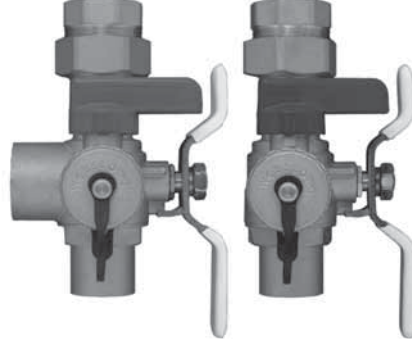
## 5444W Series IPS Union x SWT



LEAD FREE  
**CLEAN BRASS**  
THE CLEAR CHOICE FOR THE PROFESSIONAL  
Certified to AB1953,  
NSF/ANSI 61-G & NSF-372

Certified to NSF/ANSI 61-8

TEMP °F	PSI
100	500
150	408
180	398



LEAD FREE  
**CLEAN BRASS**  
THE CLEAR CHOICE FOR THE PROFESSIONAL  
Certified to AB1953,  
NSF/ANSI 61-G & NSF-372

Certified to NSF/ANSI 61-8

TEMP °F	PSI
100	500
150	408
180	398

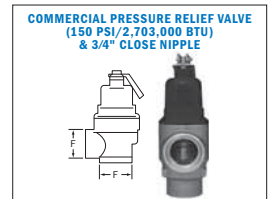
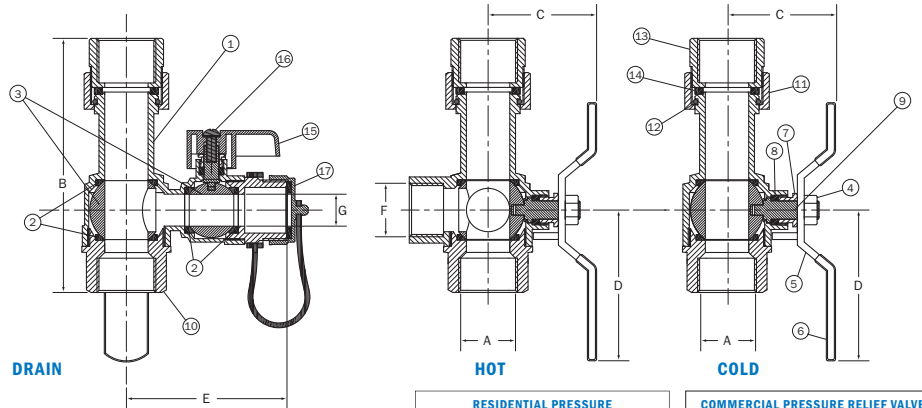
### 4444W Series - IPS Union x IPS

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
<b>RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)</b>									
44443WPR	3/4"	1/10	3/4	4 1/4	1 5/8	2 5/8	2 3/4	3/4	1/2
44444WPR	1"	1/10	1	5	2 3/8	2 3/8	2 3/4	3/4	3/4
<b>RESIDENTIAL PRESSURE RELIEF VALVE (30 PSI/510,000 BTU)</b>									
44443WPR3	3/4"	1/10	3/4	4 1/4	1 5/8	2 5/8	2 3/4	3/4	1/2
44444WPR3	1"	1/10	1	5	2 3/8	2 3/8	2 3/4	3/4	3/4
<b>COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) &amp; 3/4" CLOSE NIPPLE</b>									
44443WPR2	3/4"	1/6	3/4	4 1/4	1 5/8	2 5/8	2 3/4	3/4	1/2
44444WPR2	1"	1/6	1	5	2 3/8	2 3/8	2 3/4	3/4	3/4

### 5444W Series - IPS Union x SWT

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
<b>RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)</b>									
54443WPR	3/4"	1/10	3/4	4 3/4	1 5/8	2 5/8	2 3/4	3/4	1/2
54444WPR	1"	1/10	1	5 1/8	2 3/8	2 3/8	2 3/4	3/4	3/4
<b>RESIDENTIAL PRESSURE RELIEF VALVE (30 PSI/510,000 BTU)</b>									
54443WPR3	3/4"	1/10	3/4	4 3/4	1 5/8	2 5/8	2 3/4	3/4	1/2
54444WPR3	1"	1/10	1	5 1/8	2 3/8	2 3/8	2 3/4	3/4	3/4
<b>COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) &amp; 3/4" CLOSE NIPPLE</b>									
54443WPR2	3/4"	1/6	3/4	4 3/4	1 5/8	2 5/8	2 3/4	3/4	1/2
54444WPR2	1"	1/6	1	5 1/8	2 3/8	2 3/8	2 3/4	3/4	3/4

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	SEATS	PTFE
3	BALL	BRASS HCP
4	HANDLE NUT	STAINLESS STEEL
5	HANDLE	STEEL CP
6	HANDLE JACKET	VINYL
7	PACKING GLAND	BRASS
8	STEM SEAL	PTFE
9	STEM	BRASS
10	END CAP	BRASS
11	UNION NUT	BRASS
12	RETAINING RING	STAINLESS STEEL
13	UNION FITTING	BRASS
14	WASHER	EPDM
15	DRAIN VALVE HANDLE	ENAMEL COATED ALUMINUM
16	DRAIN VALVE HANDLE SCREW	BRASS
17	CAP & STRAP	BRASS W/ EPDM HOSE WASHER & STRAP



Specifications: Designed for residential or commercial use with potable water. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# Isolator® E-X-P E3™ Tankless Water Heater Service Valve Kits

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

**500 WOG**  
**Patented**  
**Technology**

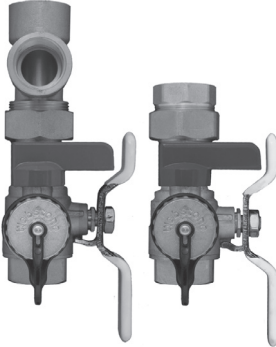
The ISOLATOR.  
**E-X-P E3**  
TWH SERVICE VALVES

## 4544 Series IPS Union × IPS

IDEAL FOR  
USE WITH  
COMBI  
BOILERS

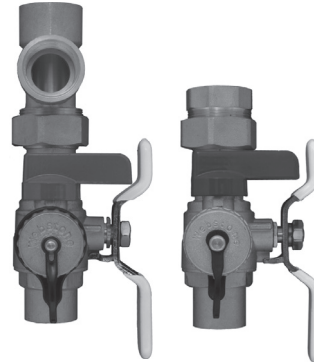
The ISOLATOR.  
**E-X-P E3**  
TWH SERVICE VALVES

## 5544 Series IPS Union × SWT



Conforms to NSF/ANSI 61-8

TEMP °F	PSI
100	500
150	408
180	398



Conforms to NSF/ANSI 61-8

TEMP °F	PSI
100	500
150	408
180	398

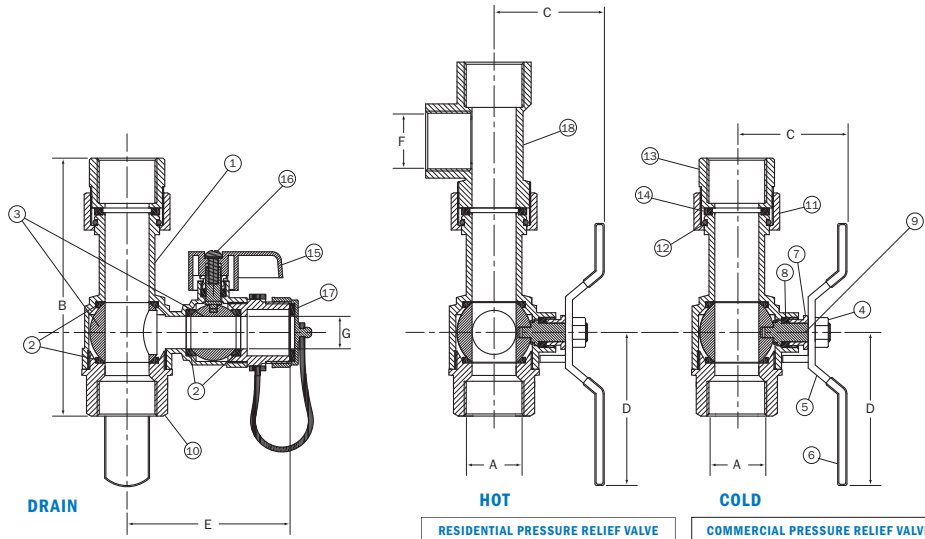
### 4544 Series - IPS Union × IPS

ITEM #	SIZE	CTN/CASE	A	B (COLD)	B (HOT)	C	D	E	F	G
<b>RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)</b>										
45443PR	3/4"	1/10	3/4	4 1/4	5 7/8	1 5/8	2 5/8	2 3/4	3/4	1/2
<b>RESIDENTIAL PRESSURE RELIEF VALVE (30 PSI/510,000 BTU)</b>										
45443PR3	3/4"	1/10	3/4	4 1/4	5 7/8	1 5/8	2 5/8	2 3/4	3/4	1/2
<b>COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) &amp; 3/4" CLOSE NIPPLE</b>										
45443PR2	3/4"	1/6	3/4	4 1/4	5 7/8	1 5/8	2 5/8	2 3/4	3/4	1/2

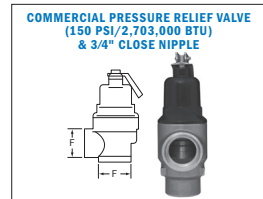
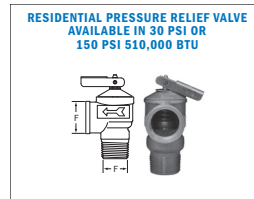
### 5544 Series - IPS Union × SWT

ITEM #	SIZE	CTN/CASE	A	B (COLD)	B (HOT)	C	D	E	F	G
<b>RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)</b>										
55443PR	3/4"	1/10	3/4	4 3/4	6 3/8	1 5/8	2 5/8	2 3/4	3/4	1/2
<b>RESIDENTIAL PRESSURE RELIEF VALVE (30 PSI/510,000 BTU)</b>										
55443PR3	3/4"	1/10	3/4	4 3/4	6 3/8	1 5/8	2 5/8	2 3/4	3/4	1/2
<b>COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) &amp; 3/4" CLOSE NIPPLE</b>										
55443PR2	3/4"	1/6	3/4	4 3/4	6 3/8	1 5/8	2 5/8	2 3/4	3/4	1/2

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	SEATS	PTFE
3	BALL	BRASS HCP
4	HANDLE NUT	STAINLESS STEEL
5	HANDLE	STEEL CP
6	HANDLE JACKET	VINYL
7	PACKING GLAND	BRASS
8	STEM SEAL	PTFE
9	STEM	BRASS
10	END CAP	BRASS
11	UNION NUT	BRASS
12	RETAINING RING	STAINLESS STEEL
13	UNION FITTING	BRASS
14	WASHER	EPDM
15	DRAIN VALVE HANDLE	ENAMEL COATED ALUMINUM
16	DRAIN VALVE HANDLE SCREW	BRASS
17	CAP & STRAP	BRASS W/ EPDM HOSE WASHER & STRAP
18	RELOCATION ADAPTER (HOT)	BRASS



Specifications: Designed for residential or commercial use with potable water. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.



### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# Isolator® E-X-P E3™ w/ CleanBrass Construction Tankless Water Heater Service Valve Kits

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

**500 WOG**  
**Patented**  
**Technology**

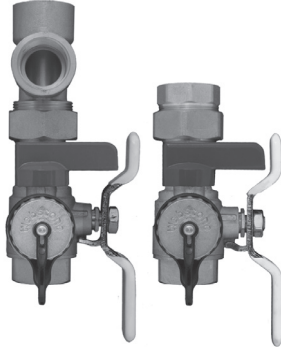
The ISOLATOR®  
**E·X·P E3**  
TWH SERVICE VALVES

**4544W Series**  
**IPS Union × IPS**

IDEAL FOR  
USE WITH  
COMBI  
BOILERS

The ISOLATOR®  
**E·X·P E3**  
TWH SERVICE VALVES

**5544W Series**  
**IPS Union × SWT**

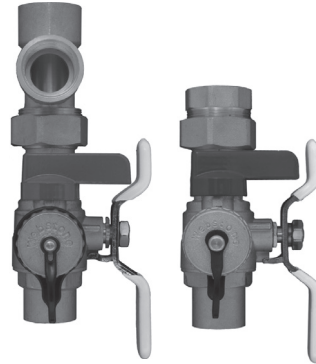


LEAD FREE  
**CLEAN BRASS**

THE CLEAR CHOICE  
FOR THE PROFESSIONAL  
Certified to AB1953,  
NSF/ANSI 61-G & NSF-372

Certified to NSF/ANSI 61-8

TEMP °F	PSI
100	500
150	408
180	398



LEAD FREE  
**CLEAN BRASS**

THE CLEAR CHOICE  
FOR THE PROFESSIONAL  
Certified to AB1953,  
NSF/ANSI 61-G & NSF-372

Certified to NSF/ANSI 61-8

TEMP °F	PSI
100	500
150	408
180	398

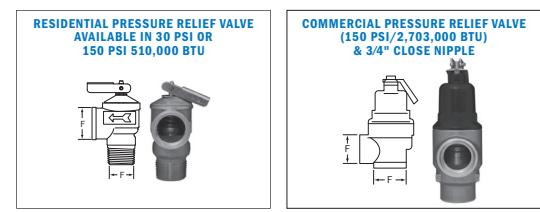
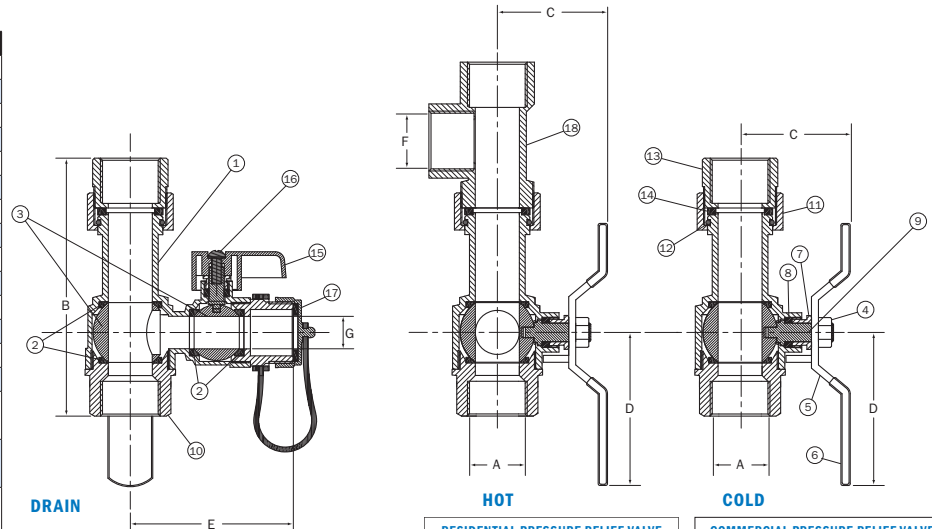
## 4544W Series - IPS Union × IPS

ITEM #	SIZE	CTN/CASE	A	B (COLD)	B (HOT)	C	D	E	F	G
<b>RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)</b>										
45443WPR	3/4"	1/10	3/4	4 1/4	5 7/8	1 5/8	2 5/8	2 3/4	3/4	1/2
<b>RESIDENTIAL PRESSURE RELIEF VALVE (30 PSI/510,000 BTU)</b>										
45443WPR3	3/4"	1/10	3/4	4 1/4	5 7/8	1 5/8	2 5/8	2 3/4	3/4	1/2
<b>COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) &amp; 3/4" CLOSE NIPPLE</b>										
45443WPR2	3/4"	1/6	3/4	4 1/4	5 7/8	1 5/8	2 5/8	2 3/4	3/4	1/2

## 5544W Series - IPS Union × SWT

ITEM #	SIZE	CTN/CASE	A	B (COLD)	B (HOT)	C	D	E	F	G
<b>RESIDENTIAL PRESSURE RELIEF VALVE (150 PSI/200,000 BTU)</b>										
55443WPR	3/4"	1/10	3/4	4 3/4	6 3/8	1 5/8	2 5/8	2 3/4	3/4	1/2
<b>RESIDENTIAL PRESSURE RELIEF VALVE (30 PSI/510,000 BTU)</b>										
55443WPR3	3/4"	1/10	3/4	4 3/4	6 3/8	1 5/8	2 5/8	2 3/4	3/4	1/2
<b>COMMERCIAL PRESSURE RELIEF VALVE (150 PSI/2,703,000 BTU) &amp; 3/4" CLOSE NIPPLE</b>										
55443WPR2	3/4"	1/6	3/4	4 3/4	6 3/8	1 5/8	2 5/8	2 3/4	3/4	1/2

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	SEATS	PTFE
3	BALL	BRASS HCP
4	HANDLE NUT	STAINLESS STEEL
5	HANDLE	STEEL CP
6	HANDLE JACKET	VINYL
7	PACKING GLAND	BRASS
8	STEM SEAL	PTFE
9	STEM	BRASS
10	END CAP	BRASS
11	UNION NUT	BRASS
12	RETAINING RING	STAINLESS STEEL
13	UNION FITTING	BRASS
14	WASHER	EPDM
15	DRAIN VALVE HANDLE	ENAMEL COATED ALUMINUM
16	DRAIN VALVE HANDLE SCREW	BRASS
17	CAP & STRAP	BRASS W/ EPDM HOSE WASHER & STRAP
18	RELOCATION ADAPTER (HOT)	BRASS



Specifications: Designed for residential or commercial use with potable water. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____



## MAKE ANY 1/2" THRU 2" SWT VALVE INTO A PRO-CONNECT UNIVERSAL™

The PRO-CONNECT Universal™ series is a full line of heavy duty brass valves featuring 2" copper tube-sized male extensions ideal for soldering or use with any solder-less crimp systems or quick-connect fittings available on the market today. Any Webstone sweat ball valve, gate valve, check valve, or globe valve sized 1/2" to 2" can be converted to PRO-CONNECT Universal™ according to your needs.

- **Heavy Duty Valves with Pre-Assembled 2" Copper Extensions**
- **Available on Virtually Any Webstone SWT Valve**
- **A Universal Solution for Solder, Crimp, or Push Connections!**
- **100% Tested, Cleaned & Capped**

### COMMITMENT TO QUALITY

PRO-CONNECT Universal™ extensions are machine soldered, de-burred, cleaned, polished, and 100% tested assuring a perfect connection every time. Each extension is outfitted with plastic caps to preserve the integrity of the copper right up until installation.

All PRO-CONNECT Universal™ valves are soldered and packaged to order. In most cases, your order will ship within 24 hours, larger orders may take a day or two more.

### TO ORDER

Add an "X" and the number of extensions to the end of the part number of the valve you wish to purchase. See Webstone's current List Price Guide and add the appropriate list price per extension to the list price of the valve you wish to purchase.

### FOR EXAMPLE

51703X2 is a 3/4" Full Port Brass Ball Valve with extensions on 2 ends. 58644X4 is a 1 1/2" × 1 1/4" Primary/Secondary Purge Tee with extensions on 4 ends.



# Full Port Forged Brass Ball Valves

**600 WOG / 150 WSP**  
(400 WOG / 125 WSP for 2½" - 4")  
**ISO 9001**

## 4170 Series - IPS



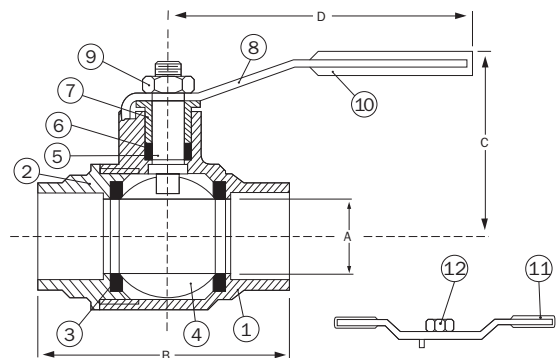
TEMP °F	¼" - 2" PSI	2½" - 4" PSI
100	600	400
150	490	327
200	479	313
250	470	293
300	411	274
350	294	196
366	N/A	N/A



### 4170 Series - IPS

ITEM #	SIZE	CTN/CASE	A	B	C	D	C <sub>v</sub>
<b>W/ CHROME PLATED LEVER HANDLE</b>							
41700	1/4"	10/120	1/4	1 3/4	1 7/8	3 1/2	7.7
41701	3/8"	10/120	3/8	1 3/4	1 7/8	3 1/2	7.9
41702	1/2"	10/100	1/2	2 1/16	2 1/16	3 1/2	11.5
41703	3/4"	10/60	3/4	2 5/8	2 5/8	3 3/4	27.0
41704	1"	6/48	1	2 3/4	2 3/4	4 5/8	49.3
41705	1 1/4"	4/32	1 1/4	3 5/16	3	4 1/2	114.0
41706	1 1/2"	2/24	1 1/2	3 11/16	3 5/8	5 1/2	161.3
41707	2"	2/16	2	4 3/16	4	5 1/2	248.6
41708	2 1/2"	2/6	2 1/2	5 5/16	4 7/8	9	262.3
41709	3"	1/3	3	6	5 1/2	9	418.2
41710	4"	1/2	4	7 1/8	6	9 3/4	567.8
<b>W/ 304 STAINLESS STEEL HANDLE</b>							
41702SSL	1/2"	10/100	1/2	2 1/16	2 1/16	3 1/2	11.5
41703SSL	3/4"	10/60	3/4	2 5/8	2 5/8	3 3/4	27.0
41704SSL	1"	6/48	1	2 3/4	2 3/4	4 5/8	49.3
41705SSL	1 1/4"	4/32	1 1/4	3 5/16	3	4 1/2	114.0
41706SSL	1 1/2"	2/24	1 1/2	3 11/16	3 5/8	5 1/2	161.3
41707SSL	2"	2/16	2	4 3/16	4	5 1/2	248.6
<b>W/ WING STYLE "T" HANDLE*</b>							
41702T	1/2"	10/100	1/2	2 1/16	2 1/16	1 3/4	11.5
41703T	3/4"	10/60	3/4	2 5/8	2 5/8	1 3/4	27.0
41704T	1"	6/48	1	2 3/4	2 3/4	1 3/4	49.3
<b>W/ 304 STAINLESS STEEL WING STYLE "T" HANDLE</b>							
41702SSW	1/2"	10/100	1/2	2 1/16	2 1/16	1 3/4	11.5
41703SSW	3/4"	10/60	3/4	2 5/8	2 5/8	1 3/4	27.5
41704SSW	1"	6/48	1	2 3/4	2 3/4	1 3/4	49.3

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEAT	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	LEVER HANDLE	STEEL CP (4170) / STAINLESS STEEL (4170SSL)
9	HANDLE NUT	STEEL CP (4170) / STAINLESS STEEL (4170SSL)
10	HANDLE JACKET	VINYL
11	WING STYLE "T" HANDLE	STAINLESS STEEL (4170SSW) / STEEL CP (4170T)
12	HANDLE NUT	STAINLESS STEEL (4170SSW) / STEEL CP (4170T)



Specifications: Designed for residential, commercial or industrial use with water, oil or gas. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1. \*4170T valves are not manufactured in an ISO facility.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____



# Full Port Forged Brass Ball Valves

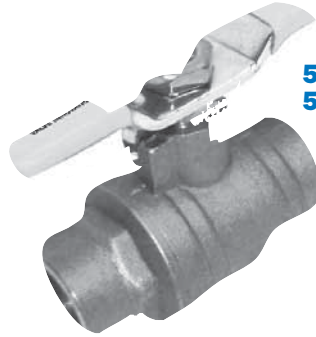
**600 WOG / 150 WSP**  
(400 WOG / 125 WSP for 2½" - 4")  
**ISO 9001**

## 5170 Series - CxC

**5170**  
**5170SSL**



**5170T**  
**5170SSW**

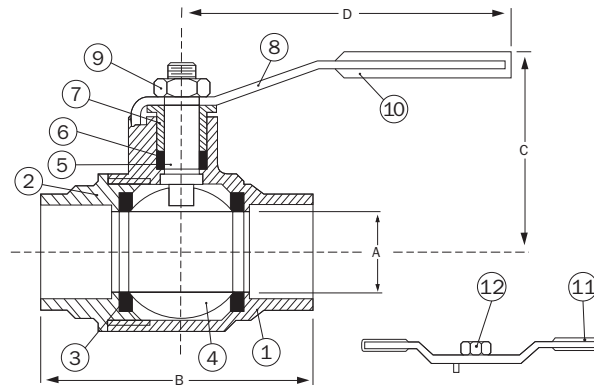


TEMP °F	½" - 2" PSI	2½- 4" PSI
100	600	400
150	490	327
200	479	313
250	470	293
300	N/A	N/A
350	N/A	N/A
366	N/A	N/A

### 5170 Series - CxC

ITEM #	SIZE	CTN/CASE	A	B	C	D	C <sub>v</sub>
<b>W/ CHROME PLATED LEVER HANDLE</b>							
51702	1/2"	10/100	1/2	2 5/16	2 1/8	3 1/2	11.5
51703	3/4"	10/60	3/4	2 7/8	2 1/4	3 3/4	27.0
51704	1"	6/48	1	3 1/2	2 5/8	4 1/2	49.3
51705	1 1/4"	4/32	1 1/4	4 1/4	3	4 1/2	114.0
51706	1 1/2"	2/24	1 1/2	4 5/8	3 5/8	5 1/2	161.3
51707	2"	2/16	2	5 3/8	4	5 1/2	248.6
51708	2 1/2"	2/6	2 1/2	6 1/4	5	9	262.3
51709	3"	1/3	3	7 1/4	5 1/2	9	418.2
51710	4"	1/2	4	9 1/4	6	9 1/2	567.8
<b>W/ 304 STAINLESS STEEL HANDLE</b>							
51702SSL	1/2"	10/100	1/2	2 5/16	2 1/8	3 1/2	11.5
51703SSL	3/4"	10/60	3/4	2 7/8	2 1/4	3 3/4	27.0
51704SSL	1"	6/48	1	3 1/2	2 5/8	4 1/2	49.3
51705SSL	1 1/4"	4/32	1 1/4	4 1/4	3	4 1/2	114.0
51706SSL	1 1/2"	2/24	1 1/2	4 5/8	3 5/8	5 1/2	161.3
51707SSL	2"	2/16	2	5 3/8	4	5 1/2	248.6
<b>W/ WING STYLE "T" HANDLE*</b>							
51702T	1/2"	10/100	1/2	2 5/16	2 1/8	1 3/4	11.5
51703T	3/4"	10/60	3/4	2 7/8	2 1/4	1 3/4	27.0
51704T	1"	6/48	1	3 1/2	2 5/8	1 3/4	49.3
<b>W/ 304 STAINLESS STEEL WING STYLE "T" HANDLE</b>							
51702SSW	1/2"	10/100	1/2	2 5/16	2 1/8	1 3/4	11.5
51703SSW	3/4"	10/60	3/4	2 7/8	2 1/4	1 3/4	27.5
51704SSW	1"	6/48	1	3 1/2	2 5/8	1 3/4	49.3

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEAT	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	LEVER HANDLE	STEEL CP (5170) / STAINLESS STEEL (5170SSL)
9	HANDLE NUT	STEEL CP (5170) / STAINLESS STEEL (5170SSL)
10	HANDLE JACKET	VINYL
11	WING STYLE "T" HANDLE	STAINLESS STEEL (5170SSW) / STEEL CP (5170T)
12	HANDLE NUT	STAINLESS STEEL (5170SSW) / STEEL CP (5170T)



Specifications: Designed for residential, commercial or industrial use with water, oil or gas. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering. \*5170T valves are not manufactured in an ISO facility.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

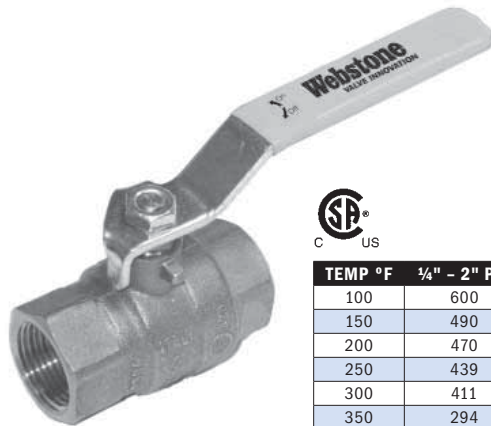
Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# Full Port Forged Brass Ball Valves

w/ Reversible Handle

**600 WOG / 150 WSP**  
(400 WOG /125 WSP for 2½" - 4")  
**ISO 9001**

## 4070 Series - IPS

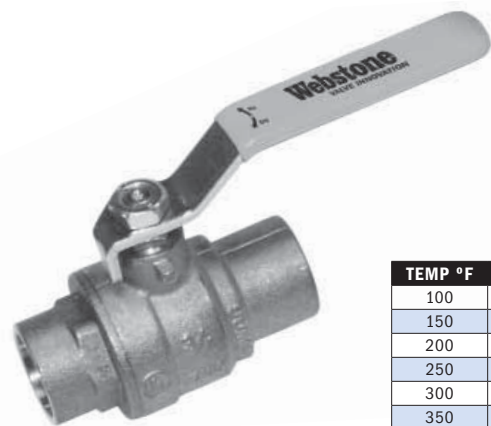


TEMP °F	¼" - 2" PSI	2½- 4" PSI
100	600	400
150	490	327
200	470	313
250	439	293
300	411	274
350	294	196
366	N/A	N/A

### 4070 Series - IPS

ITEM #	SIZE	CTN/CASE	A	B	C	D	C <sub>v</sub>
40702	1/2"	10/100	1/2	2 9/16	1 7/8	3 5/8	11.5
40703	3/4"	5/60	3/4	2 9/16	2 1/8	4 3/8	27.0
40705	1 1/4"	4/28	1 1/4	3 1/2	2 3/4	5 1/2	127.7
40707	2"	2/12	2	4 9/16	3 1/2	6 5/16	286.1
40708	2 1/2"	1/6	2 1/2	5 1/2	4 3/4	8	319.1
40710	4"	1/4	4	7	5 1/2	11 1/2	558.8

## 5070 Series - CxC

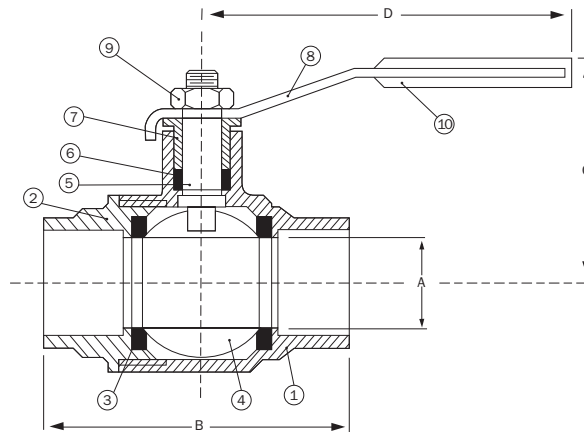


TEMP °F	WOG
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A

### 5070 Series - CxC

ITEM #	SIZE	CTN/CASE	A	B	C	D	C <sub>v</sub>
50703	3/4"	5/60	3/4	2 7/8	2 1/16	4 3/8	27.0
50704	1"	5/40	1	3 1/2	2 3/8	4 3/8	49.3
50705	1 1/4"	4/28	1 1/4	3 7/8	2 3/4	5 5/8	114.0
50706	1 1/2"	4/20	1 1/2	4 1/2	3	5 5/8	168.5
50707	2"	2/12	2	5 1/2	3 5/8	6 3/8	255.8

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEAT	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	HANDLE	STEEL CP
9	HANDLE NUT	STEEL CP
10	HANDLE JACKET	VINYL



Specifications: Designed for residential, commercial or industrial use with water, oil or gas. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# Full Port Forged Brass Ball Valves

w/ 1/4" Threaded Gauge Hole (Plugged) & Reversible Handle

**600 WOG / 150 WSP**  
(400 WOG /125 WSP for 2½" - 4")  
**ISO 9001**

## 4172 Series - IPS

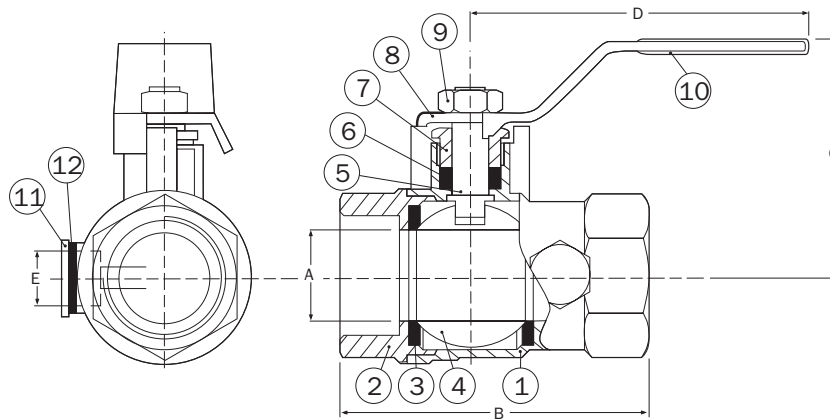


TEMP °F	PSI
100	600
150	490
200	470
250	439
300	411
350	294
366	N/A

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEAT	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	PACKING GLAND	BRASS
7	STEM SEAL	PTFE
8	HANDLE	STEEL CP
9	HANDLE NUT	STEEL CP
10	HANDLE JACKET	VINYL
11	GAUGE HOLE NUT	BRASS
12	WASHER	FIBER

## 4172 Series - IPS

ITEM #	SIZE	CTN/CASE	A	B	C	D	E	C <sub>v</sub>
41722	1/2"	10/80	1/2	2 5/16	2 1/16	3 7/16	1/4	11.5
41723	3/4"	10/60	3/4	2 11/16	2 5/16	3 1/2	1/4	27.1
41724	1"	6/48	1	3	2 1/2	4 5/16	1/4	49.3
41725	1 1/4"	4/32	1 1/4	3 3/4	3 1/8	5 1/8	1/4	114.1
41726	1 1/2"	2/24	1 1/2	4 1/8	3 11/16	5 3/8	1/4	161.3
41727	2"	2/16	2	4 5/8	4 1/8	6 1/2	1/4	248.7



Specifications: Designed for residential, commercial or industrial use with water, oil or gas. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# Full Port Forged Brass Ball Valves

w/ Cap, Strap & Reversible Handle

**600 WOG / 150 WSP**  
**ISO 9001**

## 4031 Series - FIP x Hose

## 5031 Series - SWT x Hose



TEMP °F	PSI
100	600
150	490
200	470
250	439
300	411
350	294
366	N/A



TEMP °F	PSI
100	600
150	485
200	395
250	210
300	N/A
350	N/A
366	N/A

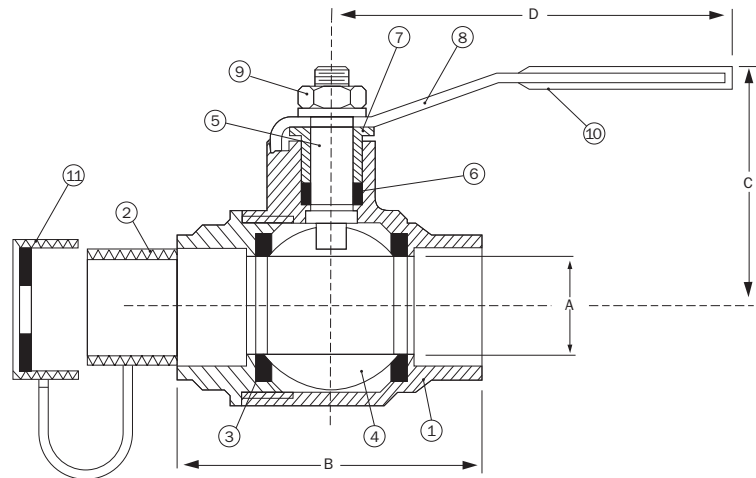
### 4031 Series - IPS

ITEM #	SIZE	CTN/CASE	A	B	C	D	C <sub>v</sub>
40312	1/2" x 3/4"	10/60	9/16	2 3/8	1 7/8	3 1/2	11.5
40313	3/4" x 3/4"	10/60	11/16	2 9/16	1 7/8	4 1/16	27.0

### 5031 Series - CxC

ITEM #	SIZE	CTN/CASE	A	B	C	D	C <sub>v</sub>
50312	1/2" x 3/4"	10/100	1/2	2 1/2	1 7/8	3 9/16	11.5
50313	3/4" x 3/4"	10/60	3/4	2 9/16	2 1/8	4 5/16	27.1

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEAT	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	HANDLE	STEEL CP
9	HANDLE NUT	STEEL CP
10	HANDLE JACKET	VINYL
11	CAP & STRAP	BRASS W/ NBR STRAP



Specifications: Designed for residential, commercial or industrial use with water, oil or gas. This approved Webstone valve is actuated by a blowout proof stem and features an adjustable packing gland. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering. Hose ends comply with ANSI B1.20.7.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# Forged Brass Gas Ball Valves

1/2 to 175 WOG  
ISO 9001

## 2156 Series - IPS w/ Locking Device



TEMP °F	PSI
100	175
150	175
200	175
250	175
300	175
350	175
366	175



## 2153 Series - IPS



TEMP °F	PSI
100	175
150	175
200	175
250	175
300	175
350	175
366	175



## 2154 Series - IPS



TEMP °F	PSI
100	175
150	175
200	175
250	175
300	175
350	175
366	175



### 2156 Series - IPS

ITEM #	SIZE	CTN/CASE	A	B	C	D
21562	1/2"	12/144	1/2	2 3/16	1 3/8	1 3/4
21563	3/4"	12/96	3/4	2 3/8	1 3/4	1 3/4
21564	1"	6/60	1	2 7/8	1 3/4	1 3/4

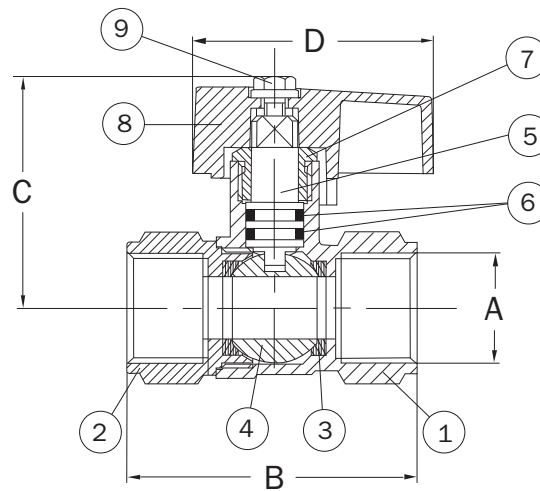
### 2153 Series - IPS

ITEM #	SIZE	CTN/CASE	A	B	C	D
21532	1/2"	12/144	1/2	2 1/4	1 3/8	1
21533	3/4"	12/96	3/4	2 3/8	1 11/16	1
21534	1"	6/60	1	2 7/8	1 3/4	1

### 2154 Series - IPS

ITEM #	SIZE	CTN/CASE	A	B	C	D
21542	1/2"	12/144	1/2	2 1/4	1 1/2	1/2
21543	3/4"	12/96	3/4	2 1/2	1 11/16	3/4
21544	1"	6/60	1	2 7/8	1 15/16	7/8

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEATS	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	O-RING	FKM
7	PACKING GLAND	BRASS
8	HANDLE	ALUMINUM
9	SCREW	BRASS



Specifications: Designed for use with natural, manufactured, mixed liquefied petroleum and LP gas/air mixtures. These valves comply with ANSI 2.21.15 for use as a gas appliance connector valve for a 1/2 lb system. Threaded ends comply with ANSI B1.20.1. Valves in the 2153 and 2154 series are actuated by blowout proof stems.

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____



# Forged Brass Gas Ball Valves

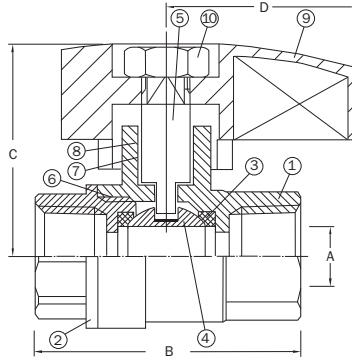
**Non CSA Applications 600 WOG  
ISO 9001**

## 2256 Series - IPS



TEMP °F	PSI
100	600
150	490
200	470
250	439
300	411
350	294
366	N/A

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEATS	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	THRUST WASHER	PTFE
7	STEM SEAL	PTFE
8	PACKING GLAND	BRASS
9	LEVER HANDLE	ZINC W/ EPOXY COATING
10	SCREW	BRASS



CSA Approved Class 3371-12  
5 PSIG Maximum for Gas  
Appliance Inlet Connection

CSA Approved Class 3371-88  
1/2 PSIG Maximum for Gas  
Appliance Pilot Shutoff

Specifications: Designed for use with natural, manufactured, mixed liquefied petroleum and LP gas/air mixtures. This approved Webstone valve is actuated by a blowout proof stem. This valve complies with ANSI 2.21.15 for use as a gas appliance connector valve for a 1/2 lb system. Threaded ends comply with ANSI B1.20.1.

### 2256 Series - IPS

ITEM #	SIZE	CTN/CASE	A	B	C	D
22561	3/8"	12/144	1/8	1 3/4	1 3/8	1 3/8
22562	1/2"	12/144	1/8	2 1/4	1 3/8	1 3/8
22563	3/4"	12/144	1/4	2 3/8	1 3/8	1 3/8

# Forged Brass Gas Ball Valves

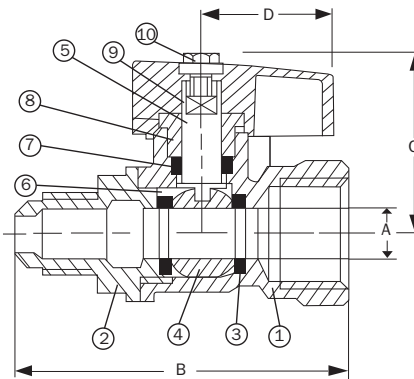
**1/2 to 175 WOG  
ISO 9001**

## 2252 & 2152 Series - Flare x FIP



TEMP °F	PSI
100	175
150	175
200	175
250	175
300	175
350	175
366	175

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEATS	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	LEVER HANDLE	ZINC W/ EPOXY COATING
9	SCREW	BRASS



Specifications: Designed for use with natural, manufactured, mixed liquefied petroleum and LP gas/air mixtures. The 22521 and 22522 are each actuated by a blowout proof stem. This valve complies with ANSI 2.21.15 for use as a gas appliance connector valve for a 1/2 lb system. Threaded ends comply with ANSI B1.20.1.

### 2252 & 2152 Series - Flare x FIP

ITEM #	SIZE	CTN/CASE	A	B	C	D
22521	3/8" x 1/2"	10/120	3/4	2 3/4	1 3/4	1 3/4
22522	1/2" x 1/2"	10/100	1/2	2 5/8	1 1/8	1 1/3
21526	5/8" x 3/4"	6/96	1/2	2 5/8	1 1/4	1 1/8

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# Forged Brass Gas Ball Valves

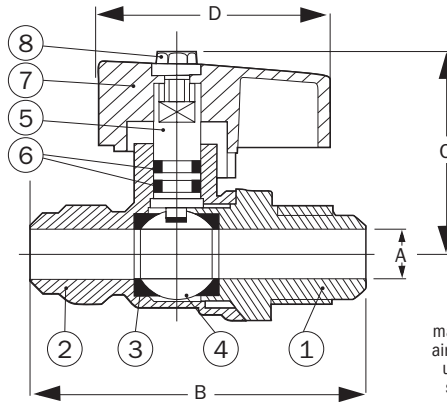
1/2 to 175 WOG  
ISO 9001

## 2155 Series-Flare x Flare



TEMP °F	PSI
100	175
150	175
200	175
250	175
300	175
350	175
366	175

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEATS	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	O-RING	FKM
7	HANDLE	ALUMINUM
8	SCREW	BRASS



Specifications: Designed for use with natural, manufactured, mixed liquefied petroleum and LP gas/air mixtures. This valve complies with ANSI 2.21.15 for use as a gas appliance connector valve for a 1/2 lb system. Threaded ends comply with ANSI B1.20.1.

### 2155 Series-Flare x Flare

ITEM #	SIZE	CTN/CASE	A	B	C	D
21550	3/8" x 3/8"	12/144	1/4	2 1/2	1 1/2	1 3/16
21551	1/2" x 1/2"	12/144	3/8	2 9/16	1 1/2	1 3/16

# Forged Brass Gas Ball Valves

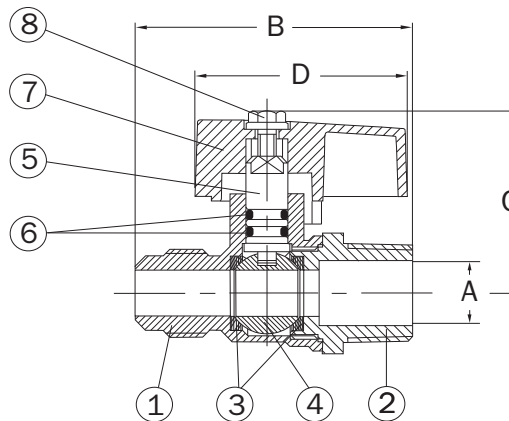
1/2 to 175 WOG  
ISO 9001

## 2157 Series - Flare x MIP



TEMP °F	PSI
100	175
150	175
200	175
250	175
300	175
350	175
366	175

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEATS	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	O-RINGS	VITON
7	HANDLE	ALUMINUM
8	SCREW	BRASS



Specifications: Designed for use with natural, manufactured, mixed liquefied petroleum and LP gas/air mixtures. This approved Webstone valves is actuated by a blowout proof stem. This valve complies with ANSI 2.21.15 for use as a gas appliance connector valve for a 1/2 lb system. Threaded ends comply with ANSI B1.20.1.

### 2157 Series - Flare x MIP

ITEM #	SIZE	CTN/CASE	A	B	C	D
21571	3/8" x 1/2"	12/144	1/4	2 7/16	1 1/2	1 3/4
21572	1/2" x 1/2"	12/144	3/8	2 7/16	1 1/2	1 3/4

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# Forged Brass Air Separator

w/ Removable Vent Head & Coalescing Medium

**150 PSI**  
**ISO 9001**

## 7400 Series - IPS

## 7500 Series - CxC

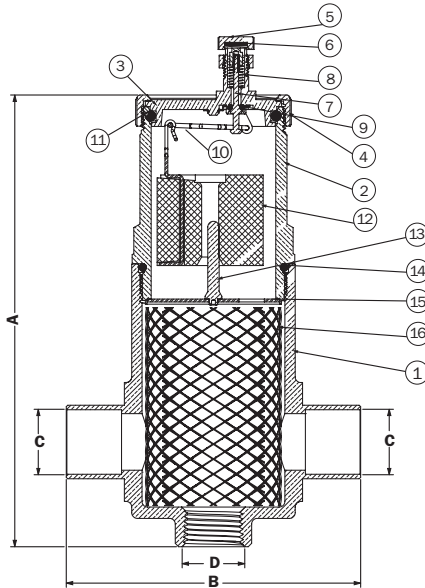


### 7400 Series - IPS

ITEM #	SIZE	CTN/CASE	A	B	C	D	Max GPM
74003	3/4"	1	6 1/4	3 5/8	3/4	1/2	6
74004	1"	1	6 1/4	3 3/4	1	1/2	10
74005	1 1/4"	1	6 1/4	3 7/8	1 1/4	1/2	15
74006	1 1/2"	1	9 1/8	5	1 1/2	1/2	30
74007	2"	1	9 1/8	5 1/8	2	1/2	40

### 7500 Series - CxC

ITEM #	SIZE	CTN/CASE	A	B	C	D	Max GPM
75003	3/4"	1	6 1/4	4	3/4	1/2	6
75004	1"	1	6 1/4	4 1/2	1	1/2	10
75005	1 1/4"	1	6 1/4	4 1/2	1 1/4	1/2	15
75006	1 1/2"	1	9 1/8	5 5/8	1 1/2	1/2	30
75007	2"	1	9 1/8	6 1/8	2	1/2	40



NO	DESCRIPTION	MATERIAL
1	LOWER BODY	BRASS
2	UPPER BODY	BRASS
3	BODY CAP	BRASS
4	BODY CAP RING	BRASS
5	VENT CAP	BRASS
6	VENT CAP WASHER	BRASS
7	VENT PIN ASSEMBLY	BRASS
8	VENT SPRING	STAINLESS STEEL
9	VENT O-RING	EPDM
10	VENT/FLOAT ARM ASSEMBLY	STAINLESS STEEL
11	BODY CAP O-RING	EPDM
12	FLOAT	PLASTIC
13	FLOAT ALIGNMENT PIN	BRASS
14	BODY O-RING	EPDM
15	BAFFEL	STAINLESS STEEL
16	MESH	STAINLESS STEEL

Specifications: Designed for residential, commercial or industrial use to quickly extract micro bubbles and static air from a hydronic heating system. The Air Separator must be installed in a straight run of horizontal piping and positioned precisely upright. Designated lengths of straight piping before and after the unit are not required. Neither side is designated as an inlet or outlet; the flow may be directed in either direction. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

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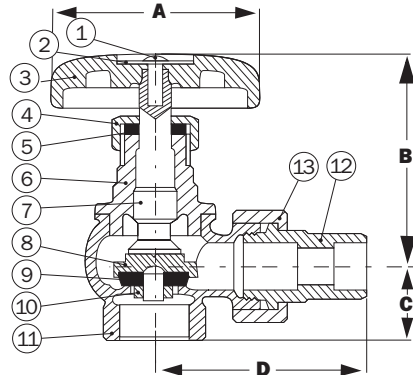
Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# Brass Hot Water Radiator Globe Valves

Angled w/ Ground Joint Union Tailpiece & Nut

**60 PSI**  
**ISO 9001**

## 1155 Series - IPS



NO.	DESCRIPTION	MATERIAL
1	HANDLE BOLT	HOT ROLLED STEEL
2	NAME PLATE	ALUMINUM
3	HAND WHEEL	PHENOLIC
4	PACKING NUT	BRASS
5	PACKING GLAND	PTFE
6	BONNET	BRASS
7	STEM	BRASS
8	SEAT HOLDER	BRASS
9	SEAT PACKING	RUBBER
10	SEAT NUT	BRASS
11	BODY	BRASS
12	NIPPLE	BRASS
13	NIPPLE NUT	BRASS

Specifications: Designed for residential and commercial use in hydronic applications. Not recommended for use with steam. Seepage feature in seat helps prevent freezing when valve is in the off position. Threaded ends comply with ANSI B1.20.1.

### 1155 Series - IPS

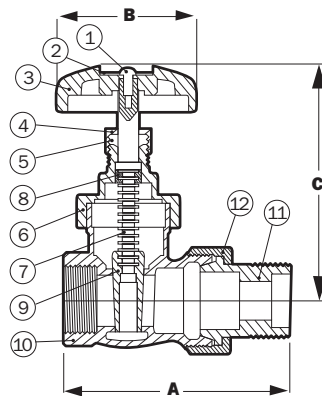
ITEM #	SIZE	CTN/CASE	A	B	C	D
11553	3/4"	6/48	2 3/8	2 5/16	1 1/4	2 5/8
11554	1"	4/36	3 1/16	2 3/4	1 1/4	2 13/16
11555	1 1/4"	2/24	3 5/16	3 7/16	1 7/16	3 3/16
11556	1 1/2"	2/16	3 5/8	3 5/8	1 7/16	3 11/16

# Brass Radiator Gate Valves

w/ Ground Joint Union Tailpiece & Nut

**125 PSI / 15 WSP**  
**ISO 9001**

## 1152 Series - IPS



NO.	DESCRIPTION	MATERIAL
1	WHEEL BOLT	HOT ROLLED STEEL
2	NAME PLATE	ALUMINUM
3	HAND WHEEL	PHENOLIC
4	PACKING NUT	BRASS
5	PACKING GLAND	PTFE
6	BONNET	BRASS
7	STEM	BRASS
8	LOCK NUT	BRASS
9	DISC	BRASS
10	BODY	BRASS
11	NIPPLE	BRASS
12	NIPPLE NUT	BRASS

Specifications: Designed for residential and commercial use in hydronic applications. Threaded ends comply with ANSI B1.20.1.

### 1152 Series - IPS

ITEM #	SIZE	CTN/CASE	A	B	C
11523	3/4"	6/60	3 1/2	3 9/16	3 3/8
11524	1"	4/36	4	4 1/16	3 7/8
11525	1 1/4"	2/24	4 7/16	4 3/4	4 3/8
11526	1 1/2"	2/16	4 13/16	5 1/2	5 1/4

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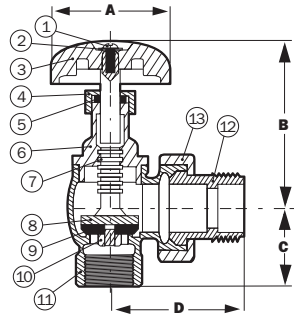
Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# Brass Steam Radiator Gate Valves

Angles w/ Ground Joint Union Tailpiece & Nut

**60 PSI / 15 WSP**  
**ISO 9001**

## 1153 Series - IPS



NO.	DESCRIPTION	MATERIAL
1	HANDLE BOLT	HOT ROLLED STEEL
2	NAME PLATE	ALUMINUM
3	HAND WHEEL	PHENOLIC
4	PACKING NUT	BRASS
5	PACKING GLAND	PTFE
6	BONNET	BRASS
7	STEM	BRASS
8	SEAT HOLDER	BRASS
9	SEAT PACKING	RUBBER
10	SEAT NUT	BRASS
11	BODY	BRASS
12	NIPPLE	BRASS
13	NIPPLE NUT	BRASS

Specifications: Designed for residential and commercial use for steam heating systems. May also be used for hot water systems in some applications. Threaded ends comply with ANSI B1.20.1.

### 1153 Series - IPS

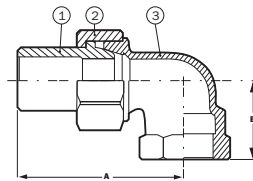
ITEM #	SIZE	CTN/CASE	A	B	C	D
11533	3/4"	6/48	2 5/16	2 3/4	1 1/8	2 9/16
11534	1"	4/36	2 5/16	3 1/16	1 1/4	2 13/16
11535	1 1/4"	2/24	2 5/16	3 5/16	1 7/16	3 3/16
11536	1 1/2"	2/16	2 5/16	3 7/16	1 11/16	3 9/16

# Brass Steam Radiator Gate Valves

Brass Union Elbows & Nuts for Radiator Valves /w Ground Joint Connection

**60 PSI / 15 WSP**  
**ISO 9001**

## 1153-E Series - FIP x MIP



NO.	DESCRIPTION	MATERIAL
1	NIPPLE	BRASS
2	NIPPLE NUT	BRASS
3	BODY	BRASS

Specifications: Designed for residential or commercial use with approved brass radiator valves in steam and hot water heating systems. Allows for easy removal or relocation of hydronic radiators. Threaded ends comply with ANSI B1.20.1.

### 1153-E Series - FIP x MIP

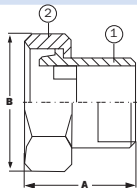
ITEM #	SIZE	CTN/CASE	A	B
11533-E	3/4"	10/100	2 1/2	1 5/16
11534-E	1"	7/70	2 7/8	1 3/8
11535-E	1 1/4"	5/50	3 3/8	1 3/4

# Brass Steam Radiator Gate Valves

Brass Union Tailpiece & Nuts for Radiator Valves w/ Ground Joint Connection

**60 PSI / 15 WSP**  
**ISO 9001**

## 1153-T Series - FIP x MIP



NO.	DESCRIPTION	MATERIAL
1	NIPPLE	BRASS
2	NIPPLE NUT	BRASS

Specifications: Designed for residential and commercial use with approved brass radiator valves in hydronic heating systems. Allows for easy removal or relocation of hydronic radiators. Threaded ends comply with ANSI B1.20.1.

### 1153-T Series - FIP x MIP

ITEM #	SIZE	CTN/CASE	A	B
11533-T	3/4"	22/220	1 5/8	1 11/16
11534-T	1"	16/160	1 3/4	1 15/16
11535-T	1 1/4"	10/100	1 15/16	2

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

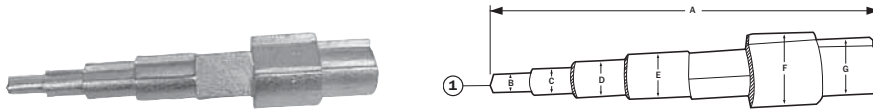
Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____



# Radiator Valve Spud Wrench

ISO 9001

**25011**



NO.	DESCRIPTION	MATERIAL
1	BODY	ZINC

Specifications: Designed for use with a radiator valve union tailpiece connection. This heavy duty tool is used internally to securely tighten any union tailpiece to a radiator and fits valve sizes 1/2" to 2".

**25011**

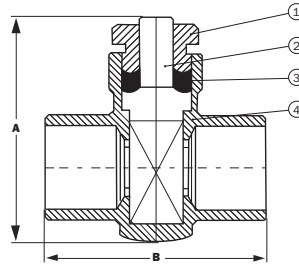
ITEM #	SIZE	CTN/CASE	A	B	C	D	E	F	G
25011	1/2"-2" RADIATOR VALVES	10/20	10 1/2	1/2	3/4	1	1 1/4	2	1 1/2

# Brass Balancing Valves

w/ Butterfly Action & Screwdriver Slot

125 PSI  
ISO 9001

**20103 - CxC**



NO.	DESCRIPTION	MATERIAL
1	PACKING GLAND	BRASS
2	STEM	BRASS
3	STEM SEAL	NBR
4	BODY	BRASS

Specifications: Designed for residential and commercial use to regulate flow. Ideal for use in hydronic closed loop heating systems. Regulates flow in multiple or single zone applications. Butterfly action diminishes noise and chatter in the system often encountered with gate valves use. Slotted actuation minimizes unintended adjustments. For use in 3/4" copper piping lines. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

**20103 - CxC**

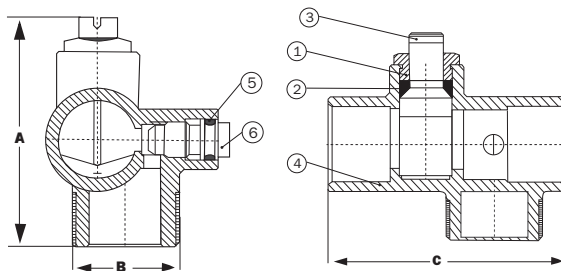
ITEM #	SIZE	CTN/CASE	A	B
20103	3/4"	12/72	2 5/16	2 1/4

# Brass Purge & Balancing Valves

w/ Butterfly Action & Screwdriver Slot

125 PSI  
ISO 9001

**11603 - CxC**



NO.	DESCRIPTION	MATERIAL
1	PACKING GLAND	BRASS
2	STEM SEAL	NBR
3	STEM	BRASS
4	BODY	BRASS
5	O-RING	NBR
6	DRAIN STEM	BRASS

Specifications: Designed for residential and commercial use to regulate flow. Ideal for use in hydronic closed loop heating systems. Regulates flow in multiple or single zone applications. Butterfly action diminishes noise and chatter in the system often encountered with gate valves use. Purge feature easily eliminates air from the system which frequently causes poor water circulation, noise and undue wear and tear on the hydronic system. Slotted actuation minimizes unintended adjustments. For use in 3/4" copper piping lines. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. Do not silver braze or overheat valves when soldering.

**11603 - CxC**

ITEM #	SIZE	CTN/CASE	A	B	C
11603	3/4"	12/72	2 3/8	1 7/8	2 3/4

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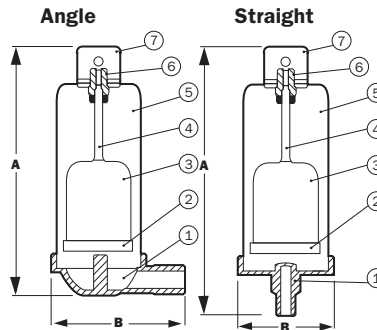
Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# Brass Steam Radiator Air Vent Valves

Chrome Plated Float Type, Non Vacuum

**10 PSI**  
**ISO 9001**

## 1151 Series



NO.	DESCRIPTION	MATERIAL
1	THREADED INLET	BRASS CP
2	FLOAT CAP	BRONZE
3	FLOATER	BRASS SHEET
4	PISTON	BRASS SHEET
5	BODY	BRASS SHEET CP
6	ADJUSTABLE SCREW	BRASS
7	VENT COLLAR	BRASS SHEET CP

Specifications: Designed for residential, commercial or industrial use. These valves are used on steam radiators, convectors, and steam mains. Model 11515-A provides for rapid venting.

### 1151 Series

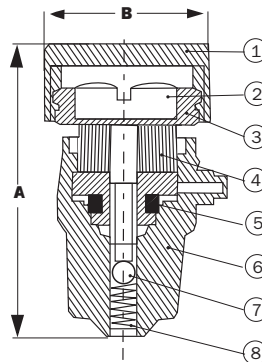
ITEM #	SIZE	CTN/CASE	A	B
<b>ANGLE</b>				
11511	1/8"	12/72	3 1/8	1 11/16
<b>STRAIGHT</b>				
11512	1/8"	12/72	3 1/2	1 1/4
11513	1/4"	12/72	3 9/16	1 1/8
11514	1/2" x 3/4"	12/72	3 1/2	1 1/4
<b>ADJUSTABLE ANGLE</b>				
11515-A	1/8"	12/72	3 1/4	1 3/4

# Forged Brass Auto Steam Vent Valves

Stainless Steel Check Ball & Spring

**125 PSI**  
**ISO 9001**

## 11516 & 11517 - IPS



NO.	DESCRIPTION	MATERIAL
1	HAND WHEEL	ABS
2	DISC BEARING COVER	BRASS
3	DISC HOLDER	BRASS
4	DISC	FIBER
5	O-RING	NPRN
6	BODY	BRASS
7	CHECK BALL	STEEL
8	SPRING	STEEL

Specifications: Designed for residential and commercial heating applications for use in hot water baseboard. Allows bleeding of air from the system and protects the system from damage due to thermal expansion because of the spring loaded ball design. These valves provide manual or automatic air venting in radiators, convectors, baseboards or high points in piping systems. Ideal for hot water and low pressure steam systems.

### 11516 & 11517 - IPS

ITEM #	SIZE	CTN/CASE	A	B
11516	1/8"	50/500	1 5/16	11/16
11517	1/4"	50/500	1 5/16	11/16

### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

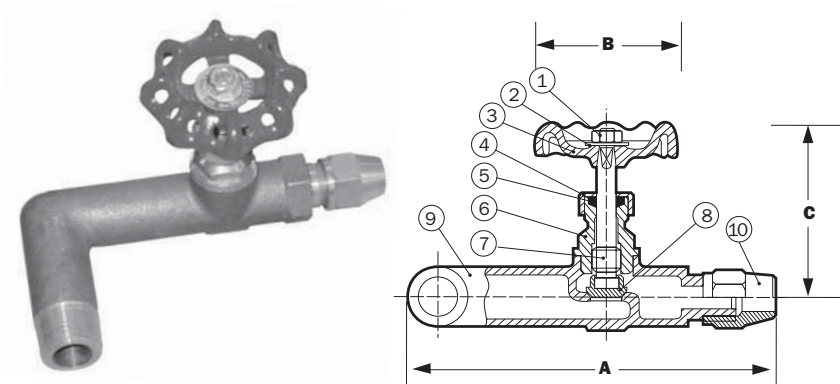
# Brass Tank Valve (Globe)

Hard Seat

**125 PSI**  
**ISO 9001**

## 1140 Series

NO.	DESCRIPTION	MATERIAL
1	HANDLE NUT	HOT ROLLED STEEL
2	NAME PLATE	ALUMINUM
3	HAND WHEEL	CAST IRON
4	PACKING NUT	BRASS
5	PACKING	PTFE
6	BONNET	BRASS
7	STEM	BRASS
8	DISC	BRASS
9	BODY	BRASS
10	FLARE NUT	BRASS



Specifications: Designed for residential or commercial use with oil, on tanks delivering gravity fed heating fuel to oil fired boilers. Threaded ends comply with ANSI B1.20.1.

### 1140 Series

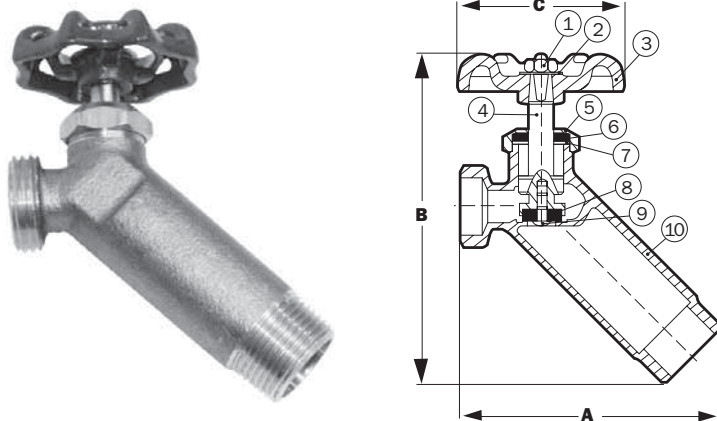
ITEM #	SIZE	CTN/CASE	A	B	C
<b>MIP x MIP</b>					
11401	1/2" x 3/8"	6/72	2 5/16	2 3/4	1 1/8
<b>MIP x FLR</b>					
11403	1/2" x 3/8"	6/72	2 5/16	3 1/16	1 1/4

# Brass Water Heater Drain Valve

**125 PSI**  
**ISO 9001**

## 11710 - MIP x Hose

NO.	DESCRIPTION	MATERIAL
1	HANDLE NUT	BRASS
2	NAME PLATE	ALUMINUM
3	HANDLE	CAST IRON
4	STEM	BRASS
5	BONNET	BRASS
6	PACKING	RUBBER
7	WASHER	STAINLESS STEEL
8	SEAT PACKING	RUBBER
9	SEAT SCREW	BRASS
10	BODY	BRASS



Specifications: Designed for residential, commercial or industrial use in hydronic heating systems. Threaded ends comply with ANSI B1.20.1.

### 1170 Series - MIP x Hose

ITEM #	SIZE	CTN/CASE	A	B	C
11710	3/4"	12/72	3 5/16	4 1/4	2 1/16

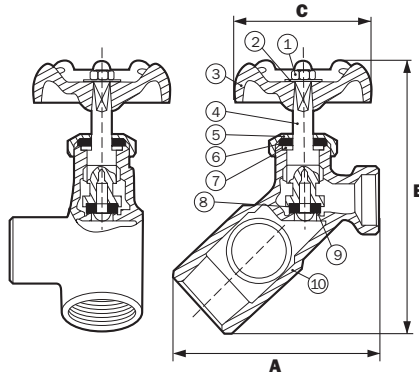
### THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# Brass Water Heater Drain Valve

w/ Recirculating Elbow

## 11711-T - FIP x FIP x Hose



NO.	DESCRIPTION	MATERIAL
1	HANDLE NUT	BRASS
2	NAME PLATE	ALUMINUM
3	HANDLE	CAST IRON
4	STEM	BRASS
5	BONNET	BRASS
6	PACKING	RUBBER
7	WASHER	STAINLESS STEEL
8	SEAT PACKING	RUBBER
9	SEAT SCREW	BRASS
10	BODY	BRASS

Specifications: Designed for residential, commercial or industrial use in hydronic heating systems. Threaded ends comply with ANSI B1.20.1.

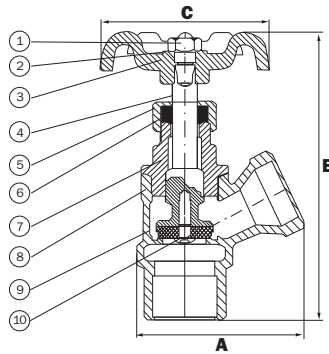
### 1170 Series - FIP x FIP x Hose

ITEM #	SIZE	CTN/CASE	A	B	C
11711-T	3/4"	12/72	3 1/4	3 13/16	2 1/16

# Brass Boiler Drains

**200 PSI  
ISO 9001**

## 11702, 11703, 11707, 11708



NO.	DESCRIPTION	MATERIAL
1	WHEEL NUT	HOT ROLLED WIRE RODS
2	NAME PLATE	ALUMINUM
3	HANDLE WHEEL	ROD CARBON STEEL
4	STEM	BRASS
5	PACKING NUT	BRASS
6	PACKING	GRAPHITE
7	BONNET	BRASS
8	BODY	BRASS
9	SEAT PACKING	EPDM
10	SEAT SCREW	BRASS

Specifications: Designed for residential, commercial or industrial use in hydronic heating systems. Threaded ends comply with ANSI B1.20.1.

ITEM #	SIZE	CTN/CASE	A	B	C
<b>MIP x Hose</b>					
11702	1/2"	12/72	1 7/8	3 1/8	2 1/16
11703	3/4"	12/144	1 7/8	3 1/8	2 1/16
<b>FIP x Hose</b>					
11707	1/2"	12/72	2	3	2 1/16
11708	3/4"	12/72	2	3	2 1/16

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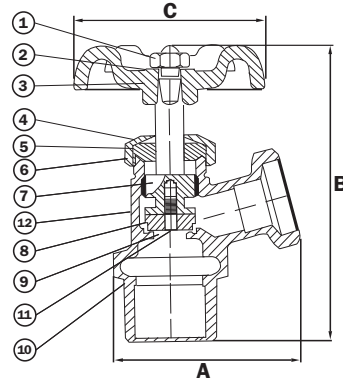
Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

# Brass Boiler Drains

w/ Stuffing Box

**200 PSI**  
**ISO 9001**

**11704, 11705, 11709, 11712**



NO.	DESCRIPTION	MATERIAL
1	WHEEL NUT	HOT ROLLED WIRE RODS
2	NAME PLATE	ALUMINUM
3	HANDLE WHEEL	ROD CARBON STEEL
4	STEM	BRASS
5	PACKING NUT	BRASS
6	PACKING	EPDM
7	BONNET	BRASS
8	PACKING	EPDM
9	WASHER	STAINLESS STEEL
10	SEAT PACKING	EPDM
11	SEAT SCREW	BRASS
12	BODY	BRASS

Specifications: Designed for residential, commercial or industrial use in hydronic heating systems. Threaded ends comply with ANSI B1.20.1.

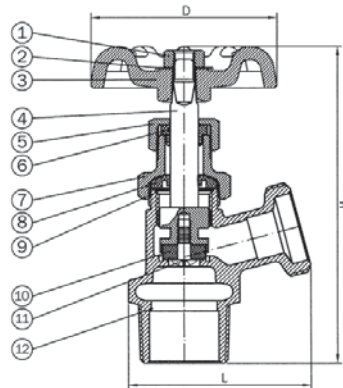
ITEM #	SIZE	CTN/CASE	A	B	C
<b>MIP x Hose</b>					
11704	1/2"	12/72	2	3 1/8	2 1/16
11705	3/4"	12/72	2	3 1/8	2 1/16
<b>FIP x Hose</b>					
11709	1/2"	12/72	2	3	2 1/16
11712	3/4"	12/72	2	3	2 1/16

# Brass Boiler Drains

(Hi-Flow) w/ Stuffing Box

**200 PSI**  
**ISO 9001**

**11700, 11701**



NO.	DESCRIPTION	MATERIAL
1	WHEEL NUT	HOT ROLLED WIRE RODS
2	NAME PLATE	ALUMINUM
3	HANDLE WHEEL	ROD CARBON STEEL
4	STEM	BRASS
5	PACKING NUT	BRASS
6	PACKING	EPDM
7	BONNET	BRASS
8	PACKING	EPDM
9	WASHER	STAINLESS STEEL
10	SEAT PACKING	EPDM
11	SEAT SCREW	BRASS
12	BODY	BRASS

Specifications: Designed for residential, commercial or industrial use in hydronic heating systems. Threaded ends comply with ANSI B1.20.1.

ITEM #	SIZE	CTN/CASE	A	B	C
<b>MIP x Hose</b>					
11700	1/2"	12/72	1 7/8	3 1/2	2 1/16
11701	3/4"	12/72	1 7/8	3 1/2	2 1/16

## THIS SPACE FOR DESIGNER / ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____



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11712	44	40672	15	42403	12	50414	10	51704	30	58662	18	NBP4-210	7
13706HV	14	40673	15	42404	12	50414HV	10	51704SSL	30	58663	18	NBP4-WBN	7
20103	40	40674	15	42404HV	12	50414KIT	14	51704SSW	30	58664	18	NBP4-WHN	7
21526	35	40675	15	42405	12	50415	10	51704T	30	58754-0	4	WH-1R44	7
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21533	34	40677	15	42406	12	50415KIT	14	51705SSL	30	58764-0	4	WH-154	7
21534	34	40702	31	42406HV	12	50416	10	51706	30	58765-0	4	WH-245	7
21542	34	40703	31	43403	13	50416HV	10	51706SSL	30	58766-0	4	WH-255	7
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21550	36	40708	31	43404HV	13	50434	17	51708	30	58776-0	4		
21551	36	40710	31	43405	13	50435	17	51709	30	58854-0	5		
21562	34	41403	9	43405HV	13	50436	17	51710	30	58855-0	5		
21563	34	41404	9	43406	13	50443	22	52403	12	58864-0	5		
21564	34	41404HV	9	43406HV	13	50443COM	23	52404	12	58865-0	5		
21571	36	41405	9	44043PR	25	50443PR	22	52404HV	12	60443	22		
21572	36	41405HV	9	44043PR2	25	50443PR2	22	52405	12	60443PR	22		
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## THE WEB WARRANTY • PRODUCTS BUILT TO LAST A LIFETIME

Webstone Company, Inc. 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 COMPANY, INC. (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**

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**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 Company, Inc.

**RETURNS** An RMA number must be obtained from our Inside Sales office when goods are returned for credit. An RMA form must accompany the goods returned. Webstone reserves the right to charge a 15% restocking fee on any returned merchandise.


**ORDER CONFIRMATIONS** All orders are subject to acceptance by Webstone Company, Inc. 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](http://www.cga.ca)

 **Universal Plumbing Code** Certified by the **International Association of Plumbing & Mechanical Officials**  
[www.iapmo.org](http://www.iapmo.org)

 **American Society of Sanitary Engineering**  
[www.asse-plumbing.org](http://www.asse-plumbing.org)

 **FM Global (Factory Mutual)**  
[www.fmglobal.com](http://www.fmglobal.com)

 **Underwriters Laboratory Inc**  
[www.ul.com](http://www.ul.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 Brass that contains less than 0.25% surface lead in the wetted areas.

### 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.

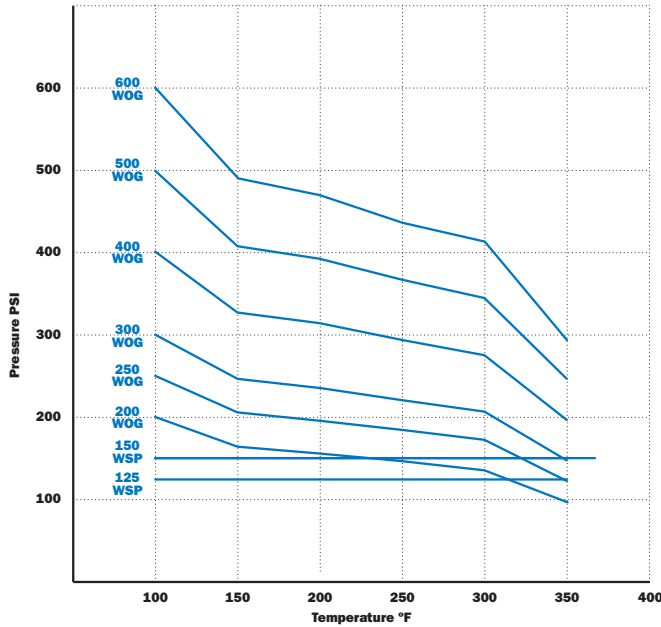
## Pressure Ratings

**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.

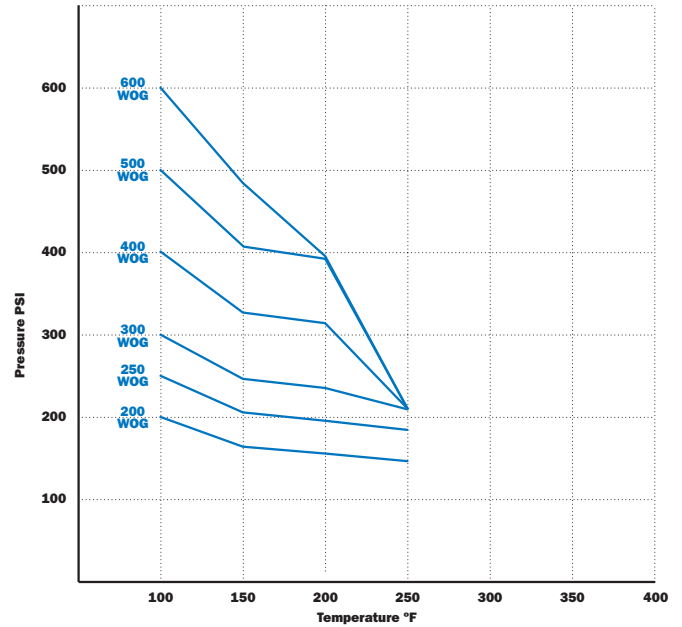
**WSP: Working Steam Pressure.** Indicates the maximum steam pressure of a valve body. This rating is independent from the WOG rating. Typically the WSP rating is lower than the WOG rating.

# PRESSURE AND TEMPERATURE CHARTS

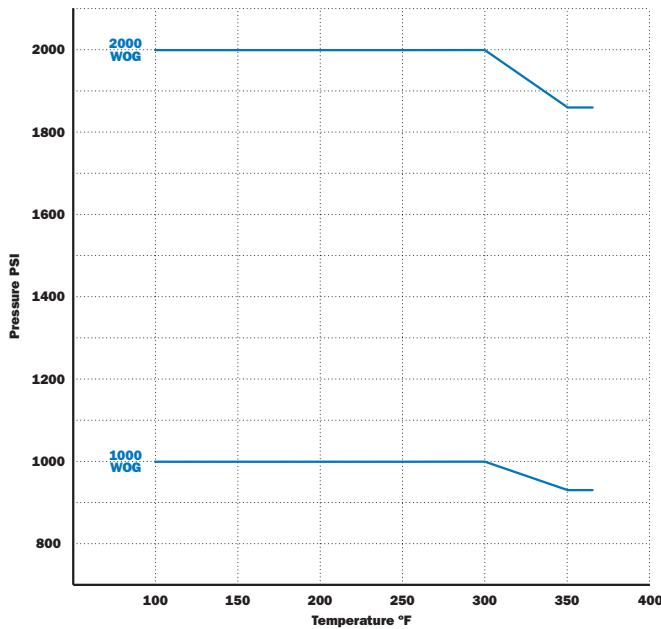
**Forged Brass Ball Valves with PTFE Seats - IPS**



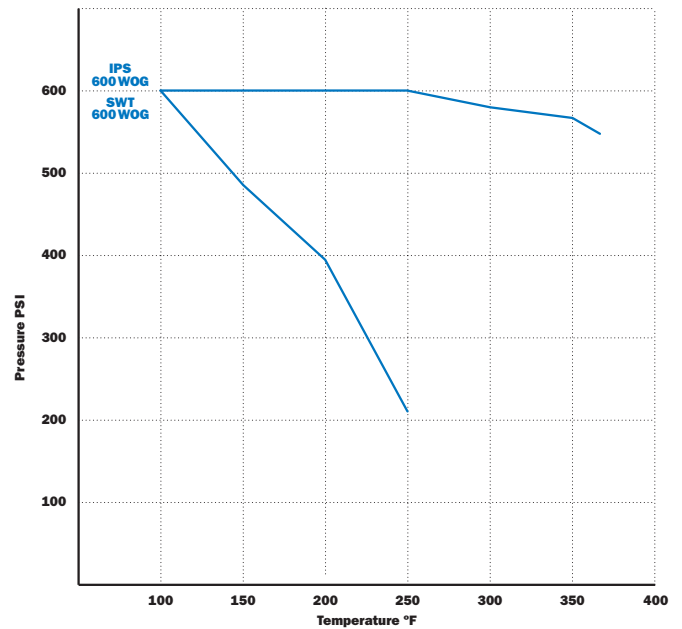
**Forged Brass Ball Valves with PTFE Seats - SWT**



**Cast 316 Stainless Steel Ball Valves with PTFE Seats**



**B62 Bronze with PTFE Seats**



Lower temperature tolerance on SWT products can be attributed to the solder connection. Solder joint temperature ratings provided are per ASME B16.18 Annex A for 95-5 Solder. Other solder materials have lower pressure/temperature limits.



## COPPER BALL VALVE INSTALLATION INSTRUCTIONS:

When a ball valve requires connection to a copper tube, it is important that heat is applied only after the ball is secured in a half open/half closed position. This will allow expansion from the heat applied to exit the ball cavity without seat damage. Apply adequate flux to both the valve and the tube. Apply the torch flame to the copper tube and allow the heat to transfer to the brass valve until the solder flows. Do not apply heat from torch directly on the brass valve. Following this method of installation will prevent excessive heat on the Teflon® seats that could cause leaks, damage to the valve and void all warranties.

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# **Webstone**

## **VALVE INNOVATION**

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Founded in 1954, Webstone is one of the oldest companies of its kind in the United States. We design, manufacture and distribute domestic and imported plumbing products for residential, commercial and industrial use.