

Webstone

VALVE INNOVATION

STEP **SAVING** VALVES
FOR THE **PROFESSIONAL**

PRO-PAL
SERIES[®]





DESIGNED TO HELP YOU WORK SMARTER



**REPLACES 4 COMPONENTS
ELIMINATES 3 LEAK PATHS
SAVES 27 MINUTES OF LABOR**
Drains from above or below the ball!



**REPLACES 6 COMPONENTS
ELIMINATES 5 LEAK PATHS
SAVES 45 MINUTES OF LABOR**
Drains from above or below the ball!



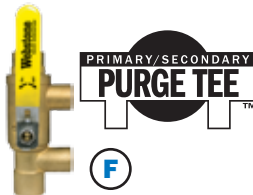
**REPLACES 2 COMPONENTS
ELIMINATES 1 LEAK PATH
SAVES 9 MINUTES OF LABOR**



**REPLACES 7 COMPONENTS
ELIMINATES 6 LEAK PATHS
SAVES 54 MINUTES OF LABOR**



**REPLACES 7 COMPONENTS
ELIMINATES 6 LEAK PATHS
SAVES 54 MINUTES OF LABOR**



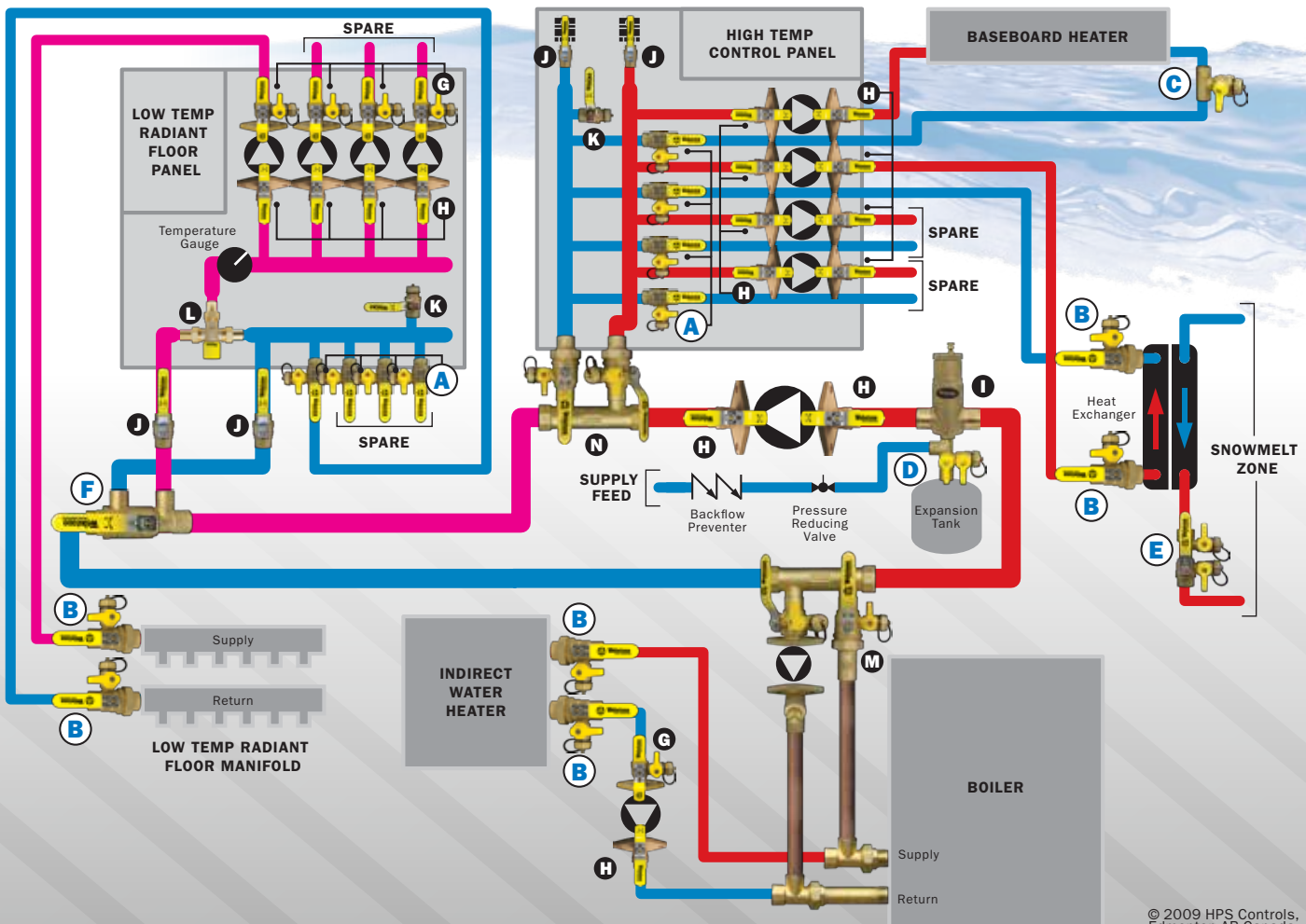
**REPLACES 5 COMPONENTS*
ELIMINATES 4 LEAK PATHS
SAVES 36 MINUTES OF LABOR**
But correct spacing for hydraulic separation cannot be achieved using off-the-shelf components. The Purge Tee is the ONLY way to place a valve between closely spaced tees.

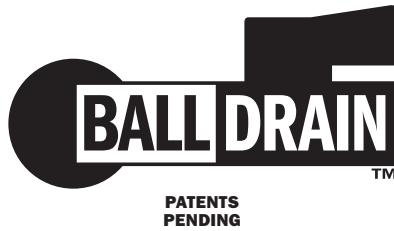
SAVE EVEN MORE! COMBINE PRO-PAL WITH OTHER WEBSTONE PRODUCTS

- G** The Isolator® w/ Rotating Flange & Multi-Function Drain
- H** The Isolator® w/ Rotating Flange
- I** Forged Brass Air Separator
- J** Brass Ball Valve
- K** Ball Valve w/Hose End
- L** Thermostatic Mixing Valve
- M** Hydro-Core™ Complete Near Boiler Piping Kit
- N** Hydro-Core™ Double Ball Drain Manifold

ADVANTAGES TO COMPLETE INSTALLATION

- **Total Leak Paths Avoided: ~180**
- **Total Labor Savings: ~27 hours**





**AVAILABLE WITH
PRESS CONNECTIONS**



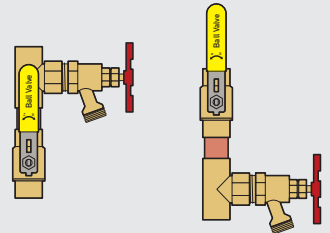
- Compatible with popular press tools

- Eliminate assemblies needed to isolate & drain any portion of a piped system
- Winterize an entire building with simple quarter-turn actions
- SWT × IPS option designed specifically for use with pre-fabricated threaded headers
- Reversible handle for added versatility
- Exclusive adjustable flow path allows for draining from either side of the ball
- Guaranteed for Life



AVAILABLE W/
LEAD-FREE
CLEAN BRASS
THE CLEAR CHOICE FOR THE PROFESSIONAL

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



Draining from
Above Ball

Draining from
Below Ball



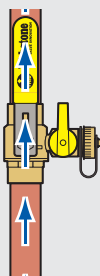
ADJUSTABLE

Adjustable Flow Path

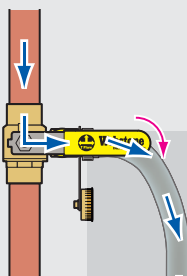
Valves with the T-Flow Adjustable Flow Path may be quickly and easily reconfigured to drain from either side of the ball. Simply remove the handle, turn the stem 180°, and replace the handle.

DRAINING FROM ABOVE BALL

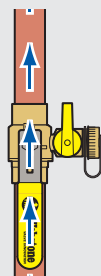
DRAINING FROM BELOW BALL



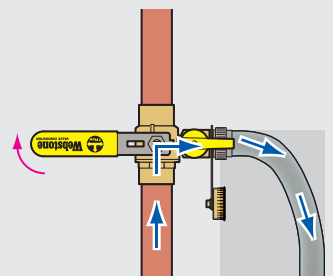
Normal Operation



System Purging



Normal Operation



System Purging

FOR USE WITH AQUATHERM PP-R PIPING SYSTEMS

PRO-CONNECT[®] PP-R[®]PRO aquatherm



- Permanent leak-free heat fusion connections made in seconds
- Compatible with all Aquatherm PP-R piping systems
- Safe, clean, long-lasting, high performance materials
- Suitable for all potable applications
- Available in female metric socket nominal sizes 3/4" to 2"
- Available exclusively at Aquatherm[®] dealers



PP-RCT FOR USE WITH ANY PP-R PIPING SYSTEM

PRO-CONNECT[®] PP-R[®]PRO



- Permanent leak-free heat fusion connections made in seconds
- PP-RCT sockets compatible with all PP-R & PP-RCT piping systems[†]
- Safe, clean, long-lasting, high performance materials
- Suitable for all potable applications
- Available in female metric socket nominal sizes 3/4" to 2"



BALL DRAIN™

AVAILABLE W/
LEAD-FREE
CLEAN
BRASS

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

600 WOG

STANDARD BRASS

LEAD-FREE BRASS

Certified to NSF/ANSI
61 & NSF/ANSI 372

	SIZE	ITEM #	CTN/CASE	ITEM #	CTN/CASE	A	B	C	D	E	F
IPS	1/2"	40612	6/36	40612W	6/36	1/2	2 1/2	2	3 7/8	2 1/2	1/2
	3/4"	40613	6/36	40613W	6/36	3/4	2 5/8	2 1/16	3 7/8	2 3/8	1/2
	1"	40614	4/24	40614W	4/24	1	3 1/4	2 5/8	4 5/8	2 1/2	1/2
	1 1/4"	40615	2/12	40615W	2/12	1 1/4	3 1/2	3	4 5/8	3	3/4
	1 1/2"	40616	2/12	40616W	2/8	1 1/2	3 7/8	3 1/2	5 5/8	3 1/16	3/4
	2"	40617	1/6	40617W	1/6	2	4 3/8	4	5 5/8	4	3/4
CxC	1/2"	50612	6/36	50612W	6/36	1/2	2	2	3 7/8	2 1/2	1/2
	3/4"	50613	6/36	50613W	6/36	3/4	2 7/8	2 1/16	3 7/8	2 3/8	1/2
	1"	50614	4/24	50614W	4/24	1	3 9/16	2 5/8	4 5/8	2 1/2	1/2
	1 1/4"	50615	2/12	50615W	2/12	1 1/4	3 7/8	3	4 5/8	3	3/4
	1 1/2"	50616	2/12	50616W	2/8	1 1/2	4 5/8	3 1/2	5 5/8	3 1/16	3/4
	2"	50617	1/6	50617W	1/6	2	5 1/2	4	5 5/8	4	3/4
SWT x IPS	1/2"	54612	6/36	54612W	6/36	1/2	2 1/16	2	3 7/8	2 1/2	1/2
	3/4"	54613	6/36	54613W	6/36	3/4	2 3/4	2 1/16	3 7/8	2 3/8	1/2
	1"	54614	4/24	54614W	4/24	1	3 3/8	2 5/8	4 5/8	2 1/2	1/2
PRESS 250 CWIP/ 250° F Max	1/2"	80612	4/40	80612W	4/40	1/2	3 3/4	1 15/16	3 7/8	2 1/2	1/2
	3/4"	80613	4/32	80613W	4/32	3/4	4 7/16	2 1/8	3 7/8	2 3/8	1/2
	1"	80614	2/20	80614W	2/20	1	4 13/16	2 5/8	4 11/16	2 1/2	1/2
	1 1/4"	80615	2/16	80615W	2/16	1 1/4	5 1/2	3	4 11/16	3	3/4
	1 1/2"	80616	1/8	80616W	1/8	1 1/2	5 7/8	3 9/16	5 5/8	3 1/16	3/4
	2"	-	-	80617W	1/6	2	7	3 15/16	5 5/8	4	3/4
PP-R 355 PSI**	SIZE*	METRIC SIZE		ITEM #	CTN/CASE	A	B	C	D	E	F
	3/4"	25		90613W	4/32	3/4	4 5/16	2 1/16	3 7/8	2 3/8	1/2
	1"	32		90614W	2/20	1	5 3/16	2 5/8	4 5/8	2 1/2	1/2
	1 1/4"	40		90615W	2/16	1 1/4	5 3/4	3	4 5/8	3	3/4
	1 1/2"	50		90616W	1/8	1 1/2	6 3/8	3 1/2	5 5/8	3 1/16	3/4
	2"	63		90617W	1/6	2	7 1/8	4	5 5/8	4	3/4
PP-RCT 600 PSI***	3/4"	25		100613W	4/32	3/4	4 5/16	2 1/16	3 7/8	2 3/8	1/2
	1"	32		100614W	2/20	1	5 3/16	2 5/8	4 5/8	2 1/2	1/2
	1 1/4"	40		100615W	2/16	1 1/4	5 3/4	3	4 5/8	3	3/4
	1 1/2"	50		100616W	1/8	1 1/2	6 3/8	3 1/2	5 5/8	3 1/16	3/4
	2"	63		100617W	1/6	2	7 1/8	4	5 5/8	4	3/4
	2"										

*PP-R & PP-RCT SOCKETS ARE MANUFACTURED BASED ON METRIC UNITS OF MEASUREMENT. IMPERIAL NOMINAL DIAMETER IS PROVIDED AS REFERENCE ONLY.

**OVERALL VALVE PRESSURE RATING AT 73°F. FURTHER RESTRICTIONS DETERMINED BY INTENDED OPERATING CONDITIONS AND LIMITATIONS SPECIFIC TO THE SYSTEM DESIGN.

MAXIMUM PRESSURE RATING FOR SEAT & BODY ALONE IS 600 PSI.

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



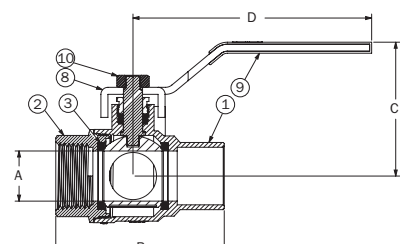
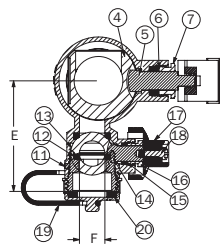
PRO-CONNECT
PRESS

PRO-CONNECT
PP-R[®]PRO
EXCLUSIVELY FOR
aquatherm

PRO-CONNECT
PP-R[®]PRO

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

* 9061/10061 SERIES BODY: BRASS & PP-R/PP-R-CT



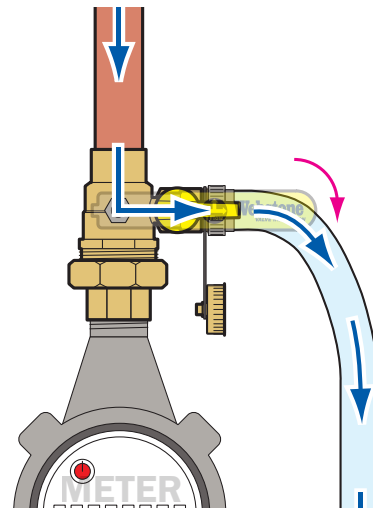
[†]IN ACCORDANCE WITH PIPING MANUFACTURER'S INSTALLATION AND WARRANTY REQUIREMENTS.



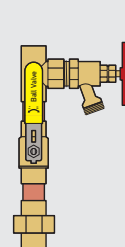
UNION BALL DRAIN™

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

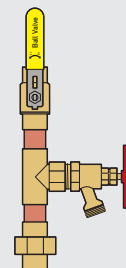
WINTERIZE AN ENTIRE HOUSE WITH SIMPLE QUARTER-TURN ACTIONS



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



Draining from Above Ball



Draining from Below Ball

AVAILABLE W/
LEAD-FREE
CLEAN
BRASS
FOR THE PROFESSIONAL

UNION BALL DRAIN™

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

600 WOG

STANDARD BRASS

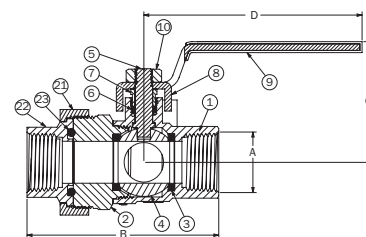
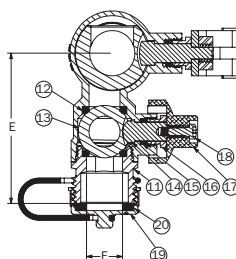
LEAD-FREE BRASS

Certified to NSF/ANSI 61 & NSF/ANSI 372

	SIZE	ITEM #	CTN/CASE	ITEM #	CTN/CASE	A	B	C	D	E	F
IPS UNION x IPS	3/4"	40433	6/24	40433W	6/24	3/4	3 1/4	2 1/16	4	2 7/16	1/2
	1"	40434	4/16	40434W	4/16	1	4	2 5/8	4 1/16	2 1/2	1/2
	1 1/4"	40435	2/12	40435W	2/12	1 1/4	4 5/16	3	4 5/16	2 15/16	3/4
	1 1/2"	40436	2/12	40436W	2/8	1 1/2	5 3/16	3 1/2	5 3/16	3 1/8	3/4
IPS UNION x SWT	3/4"	50433	6/24	50433W	6/24	3/4	3 1/2	2	3 5/8	2 5/16	1/2
	1"	50434	4/16	50434W	4/16	1	4 3/16	2 5/8	4 3/16	2 1/2	1/2
	1 1/4"	50435	2/12	50435W	2/12	1 1/4	4 1/2	3	4 1/2	2 5/16	3/4
	1 1/2"	50436	2/12	50436W	2/8	1 1/2	5 3/8	3 1/2	5 1/2	3 1/8	3/4



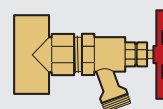
NO.	DESCRIPTION	MATERIAL	NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS	13	BALL	BRASS HCP
2	END CAP	BRASS	14	STEM	BRASS
3	SEAT	PTFE	15	STEM SEAL	PTFE
4	BALL	BRASS HCP	16	PACKING GLAND	BRASS
5	STEM	BRASS	17	HANDLE	ALUMINUM
6	STEM SEAL	PTFE	18	HANDLE SCREW	BRASS
7	PACKING GLAND	BRASS	19	CAP & STRAP	BRASS W/ PVC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



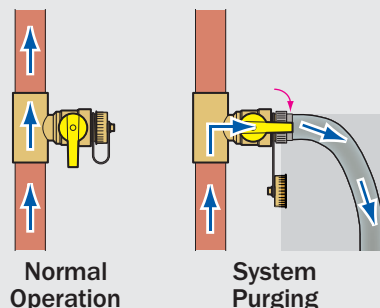


- Eliminates assemblies needed for installing drains into a line
- Install anywhere a drain or purge valve is required
- Hi-flow alternative for filling, draining, or venting closed-loop hydronic systems
- Add a garden hose connection to any water source in lines up to 2"
- Guaranteed for Life

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



HANDLE OPERATION



T-DRAIN™

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

600 WOG

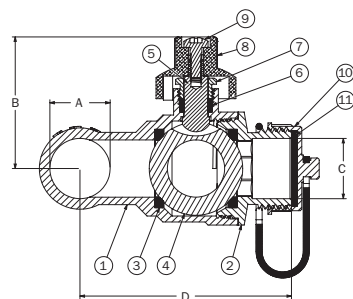
LEAD & FREE
CLEAN
BRASS
NSF/ANSI 61-G
FOR THE PROFESSIONAL

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

SIZE	ITEM #	CTN/CASE	A	B	C	D
1/2"	50672W	8/80	1/2	1 3/4	1/2	2 3/16
3/4"	50673W	6/48	3/4	2 3/8	1/2	2 13/16
1"	50674W	4/40	1	2 13/16	1/2	2 13/16
1 1/4"	50675W	4/40	1 1/4	3 3/16	3/4	2 13/16
1 1/2"	50676W	2/24	1 1/2	3 3/8	3/4	2 13/16
2"	50677W	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/ PVC STRAP
11	WASHER	EPDM

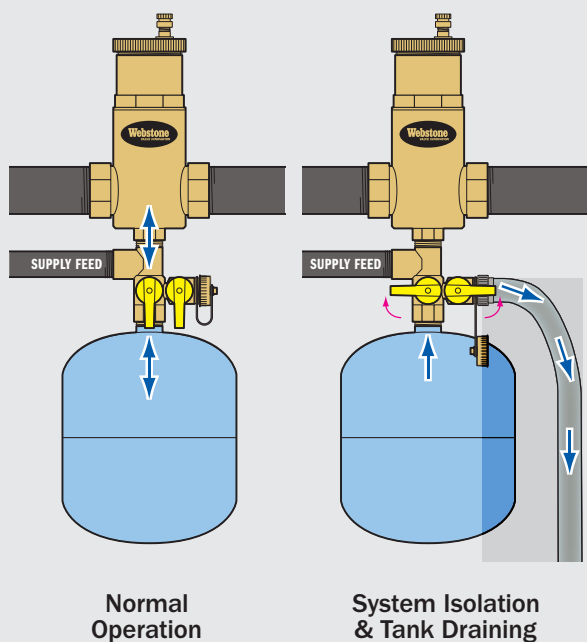




- The 3-way ball controls flow between the expansion tank and the system
- Easily install, isolate, drain & replace any expansion tank
- Quickly connect entire system to the cold water feed
- Guaranteed for Life

**IDEAL FOR
USE WITH**
Webstone
Air Separator

HANDLE OPERATION



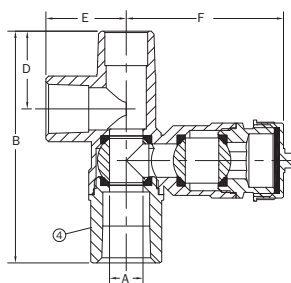
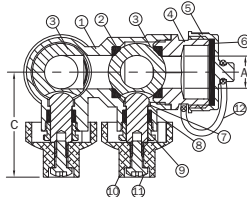
EXPANSION TANK PRO SERVICE VALVE™

Full Port Forged Brass Ball Valve 600 WOG
w/ Hi-Flow Hose Drain

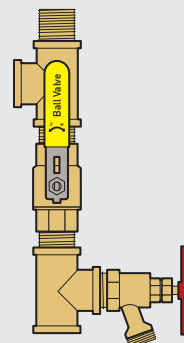
SIZE	ITEM#	STANDARD BRASS CTN/CASE
1/2"	41672	1/30



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	STEM SEAL	PTFE
9	PACKING GLAND	BRASS
10	HANDLE	ENAMEL COATED ALUMINUM
11	HANDLE SCREW	BRASS
12	STRAP	PVC



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

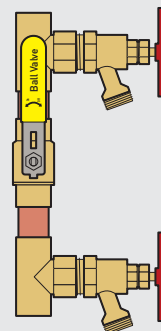




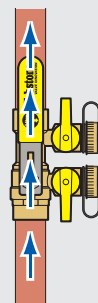
PATENTED
TECHNOLOGY

- Simultaneously drain, flush & refill any hydronic, solar, or closed loop system
- T-pattern flow path quickly and easily prevents the flow between the two hose connections
- As fluid is introduced into the system, the existing fluid or air is diverted out of the system through the remaining hose connection
- Reversible handle for added versatility
- Guaranteed for Life

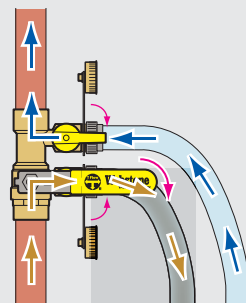
THE OLD WAY
REPLACES 7 COMPONENTS
ELIMINATES 6 LEAK PATHS
SAVES 54 MINUTES OF LABOR



HANDLE OPERATION



Normal
Operation



System Draining,
Flushing, Filling



Divert fluids from the
main flow channel
into the drain

PURGE & FILL™

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

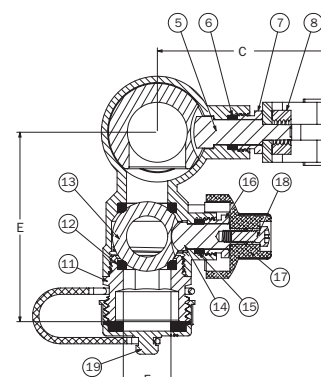
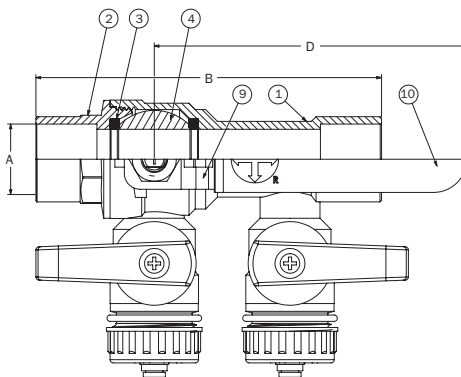
600 WOG

	SIZE	STANDARD BRASS ITEM#	CTN/CASE	A	B	C	D	E	F
IPS	3/4"	48613	1/12	3/4	3 15/16	2 1/8	3 7/8	2 3/8	1/2
	1"	48614	1/12	1	4 5/16	2 9/16	4 5/8	2 9/16	1/2
	1 1/4"	48615	1/12	1 1/4	4 7/8	2 7/8	4 5/8	2 15/16	3/4
	1 1/2"	48616	1/12	1 1/2	5 1/16	3 7/16	5 9/16	3 1/6	3/4
CxC	3/4"	58613	1/12	3/4	4 5/16	2 1/8	3 7/8	2 3/8	1/2
	1"	58614	1/12	1	4 3/4	2 9/16	4 5/8	2 5/8	1/2
	1 1/4"	58615	1/12	1 1/4	5 1/2	2 7/8	4 5/8	3	3/4
	1 1/2"	58616	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 GLAND	BRASS
17	DRAIN VALVE HANDLE	ENAMEL COATED ALUMINUM
18	DRAIN VALVE	BRASS
19	CAP & STRAP	BRASS W/ PVC HOSE WASHER & STRAP



PRIMARY/SECONDARY PURGE TEE™

PATENTED
TECHNOLOGY

- Ideal for primary/secondary piping in mod-con boiler systems
- Provides precise spacing required for hydraulic separation
- Enables power purging of secondary loops, improving efficiency at system startup
- Full port solid flow channel ensures highest possible flow rate
- Guaranteed for Life

THE OLD WAY

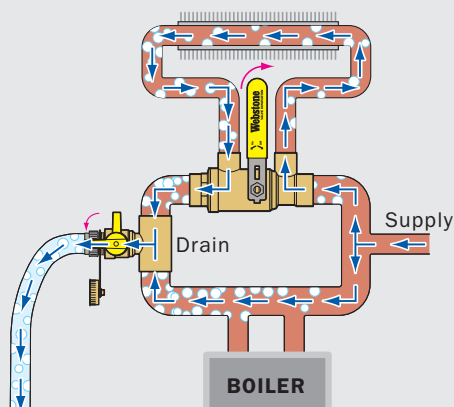
REPLACES 5 COMPONENTS*
ELIMINATES 4 LEAK PATHS
SAVES 36 MINUTES OF LABOR



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

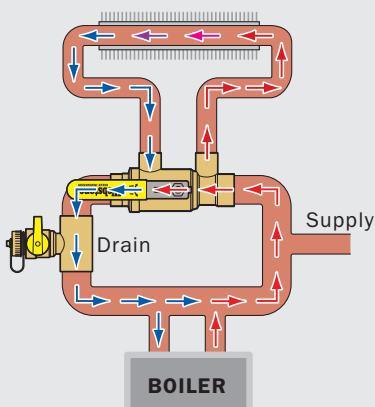
The Purge Tee is the ONLY way to place a valve between closely spaced tees.

HANDLE OPERATION



Power Purging

Fluid is rapidly forced through the secondary loop, purging excess air from system through the drain



Normal Operation

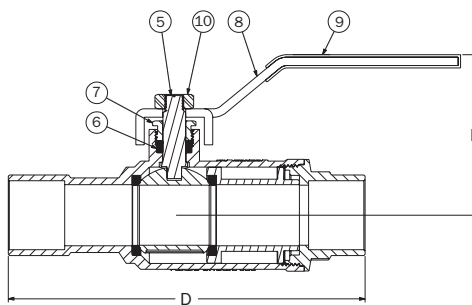
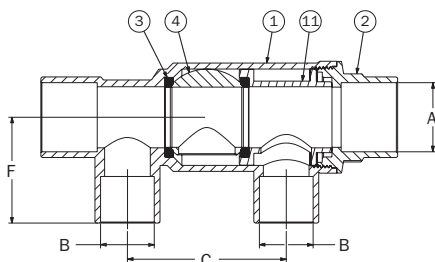
Closely spaced tees ensure hydraulic separation for the secondary loop

PURGE TEE™

Full Port Forged Brass Ball Valve — Primary/Secondary Loop Purge Tee, Reversible Handle & Adjustable Packing Gland

600 WOG

	SIZE	STANDARD BRASS ITEM #	CTN/CASE	A	B	C	D	E	F
C×C (1" PRIMARY LOOP)	1" × 3/4"	58643	1/12	1	3/4	2 11/16	5 13/16	2 3/8	1 11/16
	1" × 1"	58644	1/12	1	1	2 7/8	5 13/16	2 7/16	1 7/8
C×C (1 1/4" PRIMARY LOOP)	1 1/4" × 3/4"	58653	1/12	1 1/4	3/4	3 1/4	6 5/16	2 1/4	2 1/8
	1 1/4" × 1"	58654	1/12	1 1/4	1	3 1/4	7	2 9/16	2 3/16
	1 1/4" × 1 1/4"	58655	1/12	1 1/4	1 1/4	3 1/4	7	2 5/8	2 1/8



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 JACKET	VINYL
10	HANDLE NUT	STAINLESS STEEL
11	SEAT RETAINER	BRASS



ADD-A-GAUGE

TO ANY STANDARD HOSE CONNECTION IN JUST MINUTES

PATENTS PENDING

IDEAL FOR USE WITH

PRO-PAL
SERIES

BALL DRAIN

UNION BALL DRAIN

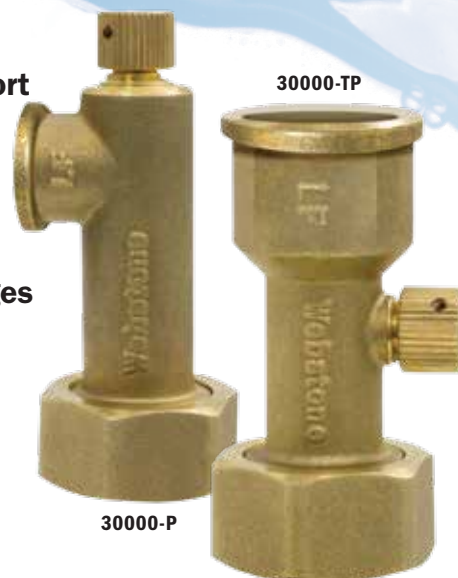
EXPANSION TANK
AND SERVICE

PURGE & FILL

T DRAIN

OR ANY STANDARD
HOSE CONNECTION

- Utilize any hose connection as a gauge port
- Suitable for temporary or permanent gauge installation
- Works with temperature and/or pressure gauges
- Fits bottom or center back mounted gauges
- Bleeder included for easy service
- Quickly removable for system draining and service
- Saves space, saves labor
- For use with the gauge of your choice, sold separately



COMPATIBLE WITH
**DUAL SCALE
PRESSURE GAUGE**



SOLD SEPARATELY

- 1/4" NPT Center Back Connection
- Stainless Steel
- Liquid Filled
- 2" Dial, 30 PSI

ITEM # CTN/CASE
31000 1/100

ADD-A-GAUGE TOOL

Forged Brass Hose Fitting

250 PSI MAX

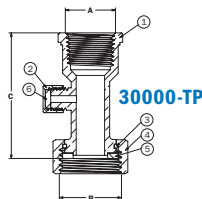
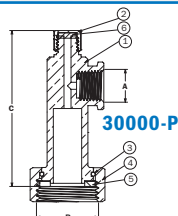
30000W-P: w/ 1/8" Bleeder (Capped) & 1/4" NPT Connection for Pressure Gauge

30000W-TP: w/ 1/8" Bleeder (Capped) & 1/2" NPT Connection for Temperature and/or Pressure Gauge

LEAD-FREE BRASS

SIZE	ITEM #	CTN/CASE	A	B	C
3/4" Hose Drain Union x 1/4" NPT	30000W-P	10/100	1/4	3/4	2 3/4
3/4" Hose Drain Union x 1/2" NPT	30000W-TP	10/100	1/2	3/4	2 1/8

LEAD-FREE
CLEAN
BRASS
FOR THE PROFESSIONAL



NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	BLEEDER CAP	BRASS
3	SNAP RING	STAINLESS STEEL
4	UNION NUT	BRASS
5	UNION GASKET	EPDM
6	BLEEDER CAP GASKET	EPDM

Webstone
VALVE INNOVATION

ONE APPIAN WAY WORCESTER, MA 01610
P.O. BOX 59 WORCESTER, MA 01613
P: (800) 225-9529 • F: (800) 336-5133
www.webstonevalves.com

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