

Webstone

INNOVATION

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

PATENT PENDING DESIGNS

PRO-PAL
SERIES



BALL DRAIN™

TM

- **4 in 1 alternative replaces a ball valve + a nipple + a tee fitting + a boiler drain**
- **Isolate & drain an entire house with a single quarter-turn action**
- **SWT x IPS option designed specifically for use with pre-fabricated threaded headers**
- **Eliminate assemblies needed to isolate & drain any portion of a piped system**

BALL DRAIN™

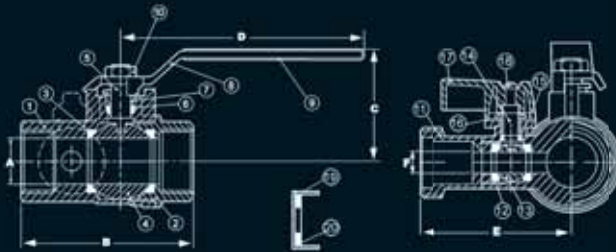
FULL PORT FORGED BRASS BALL VALVES
W/ HI-FLOW HOSE DRAIN
REVERSIBLE HANDLE

600 WOG ISO 9001

	Item #	Size	CTN/CS	A	B	C	D	E	F
IPS	40612	1/2"	6/60	1/2	2 5/16	1 13/16	3 3/8	2 1/4	1/2
	40613	3/4"	6/60	3/4	2 13/16	1 15/16	4	2 7/16	1/2
	40614	1"	4/48	1	3 1/8	2 7/16	4 7/8	2 11/16	1/2
	40615	1 1/4"	2/32	1 1/4	3 15/16	2 7/8	4 11/16	2 7/8	3/4
	40616	1 1/2"	2/24	1 1/2	4 3/8	3 5/16	5 1/4	3 1/16	3/4
	40617	2"	1/12	2	4 7/8	3 5/16	5 3/8	3 3/8	3/4
CxC	50612	1/2"	6/60	1/2	2 3/4	1 3/4	3 9/16	2 1/8	1/2
	50613	3/4"	6/60	3/4	3 3/16	2 1/16	3 5/8	2 3/8	1/2
	50614	1"	4/48	1	3 7/8	2 9/16	4 7/8	2 9/16	1/2
	50615	1 1/4"	2/32	1 1/4	4 3/8	2 3/4	4 3/4	2 13/16	3/4
	50616	1 1/2"	2/24	1 1/2	5 5/16	3 1/4	5 1/4	2 15/16	3/4
	50617	2"	1/12	2	6 1/8	3 1/2	5 1/4	3 3/8	3/4
SWT x IPS	54612	1/2"	6/60	1/2	2 5/8	1 7/8	3 5/8	2 5/16	1/2
	54613	3/4"	6/60	3/4	3 1/16	2 1/4	3 5/8	2 3/8	1/2
	54614	1"	4/48	1	3 1/2	2 5/8	4 3/4	2 1/2	1/2

SWT end closest to drain

- | | |
|-------------------|-----------|
| 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 | STEEL ZP |
| 11. END CAP | BRASS |
| 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. CAP & STRAP | BRASS |
| 20. WASHER | NBR |



UNION BALL™

TM

- **3 in 1 alternative replaces a union + a nipple + a ball valve**
- **Easily disconnect & service any portion of a piped system**

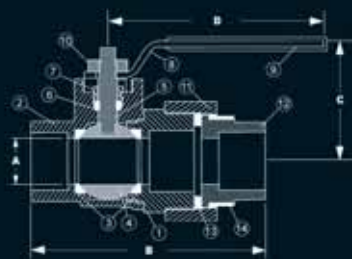
UNION BALL™

FULL PORT FORGED BRASS BALL VALVES
W/ SINGLE UNION END
REVERSIBLE HANDLE

600 WOG ISO 9001

	Item #	Size	CTN/CS	A	B	C	D
IPS UNION x IPS	40423	3/4"	4/60	3/4	3 9/16	2 1/4	3 13/16
	40424	1"	4/48	1	3 13/16	2 5/8	4 13/16
	40425	1 1/4"	2/16	1 1/4	4 13/16	2 13/16	4 13/16
	40426	1 1/2"	2/16	1 1/2	4 7/8	3 11/16	5 1/2
IPS UNION x SWT	50423	3/4"	4/60	3/4	3 7/8	2 3/8	3 13/16
	50424	1"	4/48	1	4 5/8	2 1/2	4 13/16
	50425	1 1/4"	2/16	1 1/4	5	3 1/16	4 5/8
	50426	1 1/2"	2/16	1 1/2	5 7/16	3 11/16	5 1/2

- | | |
|------------------|-----------|
| 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 | STEEL ZP |
| 11. UNION NUT | BRASS |
| 12. FITTING | BRASS |
| 13. WASHER | EPDM |
| 14. UNION RING | ABS |





- 6 in 1 alternative replaces a union + a nipple + a ball valve + a tee + a boiler drain
- Easily disconnect and replace any portion of a system
- Eliminate assemblies needed to isolate the system & drain after the ball

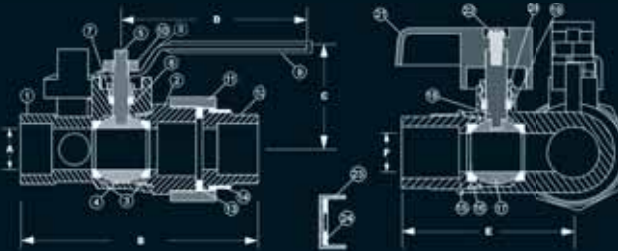
UNION BALL DRAIN™

FULL PORT FORGED BRASS BALL VALVES
W/ SINGLE UNION END & HI-FLOW HOSE DRAIN
REVERSIBLE HANDLE

600 WOG ISO 9001

	Item #	Size	CTN/CS	A	B	C	D	E	F
IPS UNION × IPS × HOSE	40433	3/4"	4/32	3/4	4 3/8	2 1/16	4	2 7/16	1/2
	40434	1"	4/24	1	4 15/16	2 3/8	4 9/16	2 1/2	1/2
	40435	1 1/4"	2/16	1 1/4	5 1/3	2 11/16	4 13/16	2 3/4	3/4
	40436	1 1/2"	2/16	1 1/2	5 3/4	3 1/4	5 3/16	3	3/4
IPS UNION × SWT × HOSE	50433	3/4"	4/32	3/4	4 5/8	2	3 5/8	2 5/16	1/2
	50434	1"	4/24	1	5 1/4	2 3/8	4 5/8	2 9/16	1/2
	50435	1 1/4"	2/16	1 1/4	5 7/8	2 13/16	4 11/16	2 13/16	3/4
	50436	1 1/2"	2/16	1 1/2	6 3/8	3 1/4	5 3/16	3	3/4

- BODY BRASS
- END CAP BRASS
- SEAT PTFE
- BALL BRASS HCP
- STEM BRASS
- STEM SEAL PTFE
- PACKING GLAND BRASS
- HANDLE STEEL CP
- HANDLE JACKET VINYL
- HANDLE NUT STEEL ZP
- UNION NUT BRASS
- FITTING BRASS
- WASHER EPDM
- UNION RING ABS
- END CAP BRASS
- SEAT PTFE
- BALL BRASS HCP
- STEM BRASS
- STEM SEAL PTFE
- PACKING GLAND BRASS
- HANDLE ALUMINUM
- HANDLE SCREW BRASS
- CAP & STRAP BRASS
- WASHER NBR



- 6 in 1 alternative replaces a union + a nipple + a tee + a boiler drain + a nipple + a ball valve
- Easily disconnect & replace any portion of a system
- Eliminate assemblies needed to isolate the system & drain before the ball

UNION DRAIN BALL™

FULL PORT FORGED BRASS BALL VALVES
W/ HI-FLOW HOSE DRAIN & SINGLE UNION END
REVERSIBLE HANDLE

600 WOG ISO 9001

	Item #	Size	CTN/CS	A	B	C	D	E	F
IPS UNION × HOSE × IPS	41433	3/4"	4/32	3/4	4 3/8	2	3 5/8	2 7/16	1/2
	41434	1"	2/24	1	5 1/8	2 3/8	4 11/16	2 1/2	1/2
	41435	1 1/4"	2/16	1 1/4	6 1/4	2 5/8	4 11/16	2 3/4	3/4
	41436	1 1/2"	1/16	1 1/2	6 7/8	3 7/16	5 3/16	3	3/4
IPS UNION × HOSE × SWT	51433	3/4"	4/32	3/4	4 9/16	2	3 5/8	2 7/16	1/2
	51434	1"	2/24	1	5 1/2	2 1/2	4 5/8	2 1/2	1/2
	51435	1 1/4"	2/16	1 1/4	6 1/2	2 5/8	4 11/16	2 3/4	3/4
	51436	1 1/2"	1/16	1 1/2	7 3/8	3 1/2	5 3/16	3	3/4

- BODY BRASS
- END CAP BRASS
- SEAT PTFE
- BALL BRASS HCP
- STEM BRASS
- STEM SEAL PTFE
- PACKING GLAND BRASS
- HANDLE STEEL CP
- HANDLE JACKET VINYL
- HANDLE NUT STEEL ZP
- UNION NUT BRASS
- FITTING BRASS
- WASHER EPDM
- UNION RING ABS
- END CAP BRASS
- SEAT PTFE
- BALL BRASS HCP
- STEM BRASS
- STEM SEAL PTFE
- PACKING GLAND BRASS
- HANDLE ALUMINUM
- HANDLE SCREW BRASS
- CAP & STRAP BRASS
- WASHER NBR





- 2 in 1 alternative replaces a tee fitting + a boiler drain
- Install anywhere a drain or purge valve is required
- Hi-flow alternative for filling closed-loop hydronic systems
- Eliminates assemblies needed for installing drains/draw offs into a line

T-DRAIN™

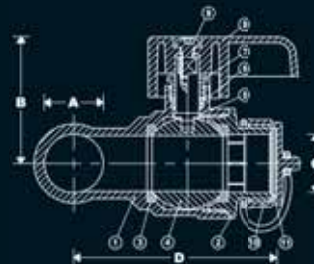
FULL PORT FORGED BRASS FITTING
W/ HI-FLOW HOSE DRAIN

600 WOG ISO 9001

	Item #	Size	CTN/CS	A	B	C	D
IPS	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	3/4	3 7/16
	40674	1"	8/48	1	2 5/16	3/4	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
C×C	50672	1/2"	10/80	1/2	1 9/16	1/2	2 3/16
	50673	3/4"	8/48	3/4	1 3/4	3/4	2 13/16
	50674	1"	8/48	1	1 3/4	3/4	2 13/16
	50675	1 1/4"	6/24	1 1/4	1 3/4	3/4	2 13/16
	50676	1 1/2"	4/24	1 1/2	1 3/4	3/4	2 13/16
	50677	2"	2/20	2	1 3/4	3/4	3 1/16



- | | |
|------------------|-----------|
| 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 | ALUMINUM |
| 9. HANDLE SCREW | BRASS |
| 10. CAP & STRAP | BRASS |
| 11. WASHER | NBR |



EXPANSION TANK PRO SERVICE VALVE

- 4 in 1 alternative replaces a ball valve + 2 tee fittings + a boiler drain
- Quickly connect entire system to the cold water feed
- Easily install, isolate, drain, and replace any expansion tank

EXPANSION TANK PRO SERVICE VALVE™
 FULL PORT FORGED BRASS BALL VALVES
 W/ HI-FLOW HOSE DRAIN

600 WOG ISO 9001

	Item #	Size	CTN/CS	A	B	C	D	E	F
1/2" FIP x MIP x FIP x HOSE	41672	1/2"	1/30	1/2	3 3/8	1 9/16	1 1/8	1 3/16	2 5/16

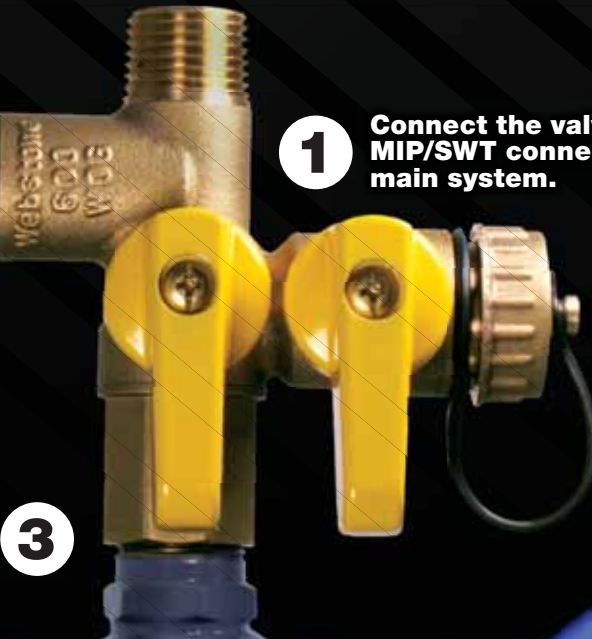
1. BODY
2. SEAT
3. BALL
4. END CAP
5. CAP
6. GASKET
7. STEM
8. PACKING
9. PACKING GLAND
10. HANDLE
11. HANDLE SCREW
12. STRAP

BRASS
PTFE
BRASS HCP
BRASS
BRASS
NBR
BRASS
PTFE
BRASS
ALUMINUM
BRASS
PLASTIC

INSTALLATION IS AS EASY AS 1 - 2 - 3

2

Connect the supply feed to the tee pattern FIP connection.



1

Connect the valve's MIP/SWT connection to the main system.

3

Connect the expansion tank's standard 1/2" MIP Connection to the valve's FIP connection.

To Service - Close the expansion tank isolation valve, connect a hose to the drain outlet and open the drain valve. The pressure in the tank will cause the contents to drain from the unit quickly and without spillage.

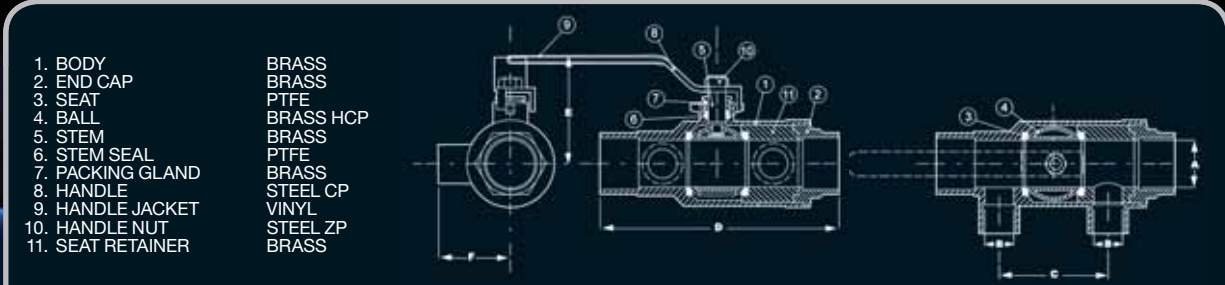
PRIMARY/SECONDARY PURGE TEE™

- Allows for placement of a ball valve between closely spaced tees
- Permits power purging of individual loops in hydronic systems
- Ensures critical distance between tee's is within tolerance for hydraulic separation
- Full port solid flow channel ensures highest flow rate possible
- Ideal for primary/secondary piping in mod-con boiler systems



PURGE-TEE™									
FULL PORT FORGED BRASS BALL VALVES								600 WOG	ISO 9001
PRIMARY/SECONDARY LOOP PURGE TEE									
REVERSIBLE HANDLE									
	Item #	Size	CTN/CS	A	B	C	D	E	F
C×C 1" PRIMARY LOOP	58642	1" × 1/2"	1/12	1	1/2	2 5/16	5 1/4	2 3/8	1 7/16
	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
C×C 1 1/4" PRIMARY LOOP	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
C×C 1 1/2" PRIMARY LOOP	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
	58665	1 1/2" × 1 1/4"	1/12	1 1/2	1 1/4	3 11/16	7 3/4	2 7/8	2 5/16

**Patents
Pending**



PURGE & FILL™

- **7 in 1 alternative replaces 2 boiler drains + 2 tee's + 2 close nipples + ball valve**
- **Simultaneously drain, flush and refill any hydronic system**
- **Eliminates 6 leak paths & saves nearly an hour of labor**
- **T-pattern flow path quickly and easily isolates the flow between the two hose thread valves**
- **Flow is diverted in one hose thread valve and out the other hose thread valve**



Patents Pending

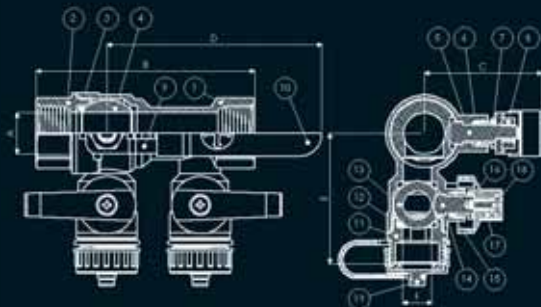
PURGE & FILL™

FULL PORT FORGED BRASS BALL VALVES
W/ (2) HI-FLOW HOSE DRAINS

600 WOG ISO 9001

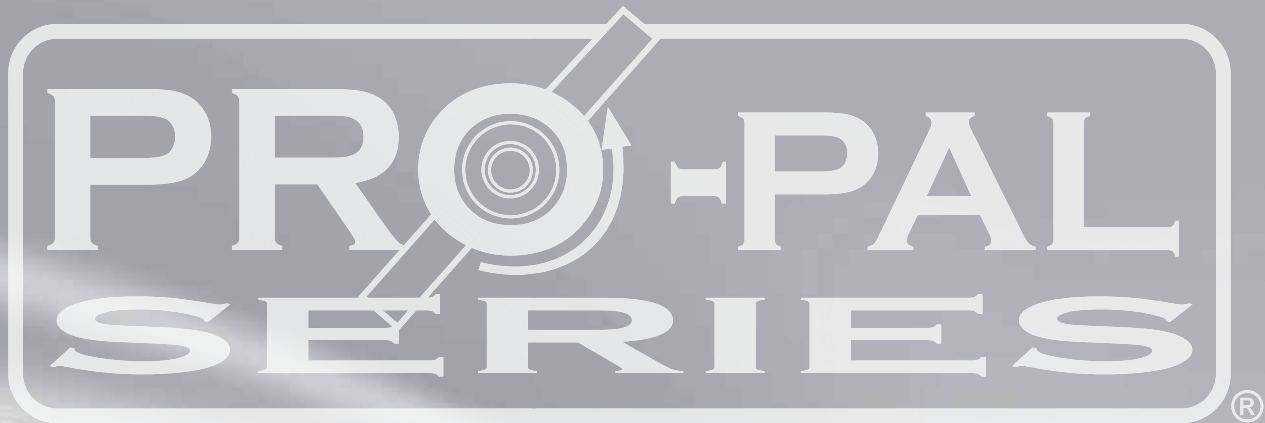
	Item #	Size	CTN/CS	A	B	C	D	E	F
IPS	48613	3/4"	1/12	3/4	3 15/16	2 1/8	3 7/8	2 3/8	1/2
	48614	1"	1/12	1	4 5/16	2 9/16	4 5/8	2 9/16	1/2
	48615	1 1/4"	1/12	1 1/4	4 7/8	2 7/8	4 5/8	2 15/16	3/4
	48616	1 1/2"	1/12	1 1/2	5 1/16	3 7/16	5 9/16	3 1/6	3/4

- | | |
|------------------------------|---------------------------|
| 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. 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 HANDLE SCREW | BRASS |
| 19. CAP & STRAP | BRASS W/ EPDM HOSE WASHER |



The **PRO-PAL®** line is **DESIGNED TO HELP YOU WORK SMARTER...**

- Eliminate Multiple Fittings
- Reduce Leak Paths
- Avoid Reduced Port Alternatives
- Create Cleaner Looking, More Efficient Installations
- Shorten Installation Times
- Save Labor & Space
- Reversible Handles
- Adjustable Stem Packing Nuts
- Patents Pending



Choose **PRO-PAL®** step saving valves **THAT ARE GUARANTEED FOR LIFE**

Choosing the PRO-PAL® SERIES of valves is the best choice for cost, efficiency, operation and function. Check the quality and compare them with traditional methods of building a plumbing system. You will find that there is no comparison for PRO-PAL® SERIES valves. These valves are so innovative that they even come with peace of mind built in because

every Webstone product is covered by the Web Warranty. Simply stated; our products are guaranteed for life or we will replace them free of charge. Choosing Webstone products for all of your plumbing needs is the smartest decision you will ever make. So instead of just building your next piping system, why not innovate it with Webstone PRO-PAL® SERIES Valves.

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