

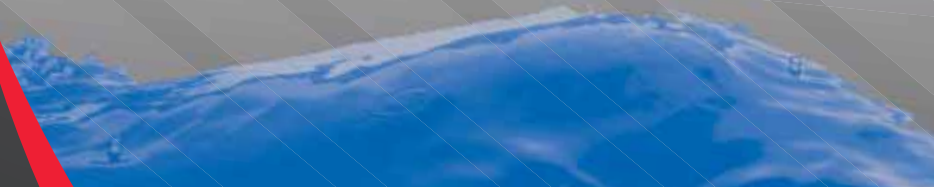


# Webstone

**VALVE INNOVATION**

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

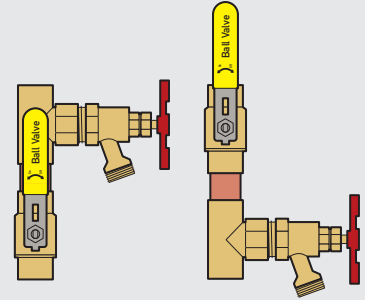
**PRO-PAL**  
SERIES<sup>®</sup>



# BALL DRAIN™

- Eliminate assemblies needed to isolate & drain any portion of a piped system
- Winterize an entire house 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

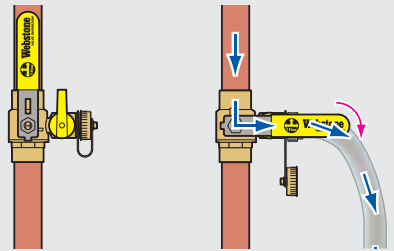
**THE OLD WAY**  
 REPLACES 4 COMPONENTS  
 ELIMINATES 3 LEAK PATHS  
 SAVES 27 MINUTES OF LABOR



Draining from Above Ball

Draining from Below Ball

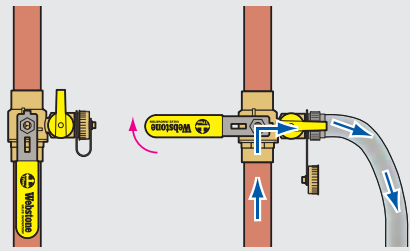
## DRAINING FROM ABOVE BALL



Normal Operation

System Purging

## DRAINING FROM BELOW BALL



Normal Operation

System Purging



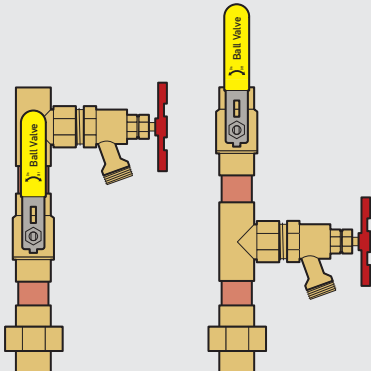
AVAILABLE W/  
 LEAD-FREE  
**CLEAN BRASS**  
 THE CLEAR CHOICE  
 FOR THE PROFESSIONAL



**ADJUSTABLE**

Divert fluids from the main flow channel into the drain from either side of the ball

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



Draining from Above Ball

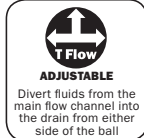
Draining from Below Ball

# UNION BALL DRAIN™

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

DESIGN INCLUDES

**UNION DRAIN BALL™**  
 FUNCTIONALITY



**ADJUSTABLE**

Divert fluids from the main flow channel into the drain from either side of the ball



# ALSO AVAILABLE WITH PRESS CONNECTIONS



## PRO-CONNECT PRESS™ BALL DRAIN

Full Port Forged Brass Ball Valve w/ Hi-Flow Hose Drain 250 CWP/250°F MAX  
Adjustable Packing Gland & Reversible Handle ISO 9001

### LEAD-FREE BRASS

Certified to NSF/ANSI 61 & NSF/ANSI 372

PRESS x PRESS	SIZE	ITEM #	CTN/CASE	A	B	C	D	E
	1/2"	80612W	4/40	3 3/4	5/8	1 3/8	3 7/8	1 15/16
3/4"	80613W	4/32	4 7/16	7/8	1 9/16	3 7/8	2 1/8	
1"	80614W	2/20	4 13/16	1 1/8	1 9/16	4 11/16	2 5/8	
1 1/4"	80615W	2/16	5 1/2	1 3/8	1 3/4	4 11/16	3	
1 1/2"	80616W	1/8	5 7/8	1 5/8	1 13/16	5 5/8	3 9/16	
2"	80617W	1/6	7	2 1/8	2 1/8	5 5/8	3 15/16	



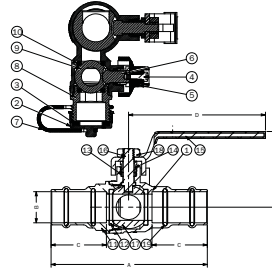
**BALL DRAIN™**



**ADJUSTABLE**  
Divert fluids from the main flow channel into the drain from either side of the ball

## PRO-CONNECT PRESS™ BALL DRAIN

NO.	DESCRIPTION	MATERIAL	NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS	11	END CAP	BRASS
2	DRAIN CAP	BRASS	12	SEAT	PTFE
3	WASHER	EPDM	13	PACKING STEM	PTFE
4	SCREW	STAINLESS STEEL	14	PACKING NUT	BRASS
5	DRAIN HANDLE	ALUMINUM	15	HANDLE	STEEL HCP
6	DRAIN STEM	BRASS	16	STEM	BRASS
7	STRAP	PVC	17	TEE BALL	BRASS CP
8	DRAIN END CAP	BRASS	18	NUT	STAINLESS STEEL
9	DRAIN BALL	BRASS CP	19	O-RING	EPDM
10	SEAT	PTFE			



## BALL DRAIN™

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

600 WOG  
ISO 9001

### 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	
												IPS	IPS
IPS	1/2"	40612	6/36	40612W	6/36	1/2	2 1/2	2	3 7/8	2 1/2	1/2	IPS	IPS
	3/4"	40613	6/36	40613W	6/36	3/4	2 5/8	2 1/16	3 7/8	2 3/8	1/2	IPS	IPS
	1"	40614	4/24	40614W	4/24	1	3 1/4	2 5/8	4 5/8	2 1/2	1/2	IPS	IPS
	1 1/4"	40615	2/12	40615W	2/12	1 1/4	3 1/2	3	4 5/8	3	3/4	IPS	IPS
	1 1/2"	40616	2/12	40616W	2/12	1 1/2	3 7/8	3 1/2	5 5/8	3 1/16	3/4	IPS	IPS
	2"	40617	1/6	40617W	1/6	2	4 3/8	4	5 5/8	4	3/4	IPS	IPS
C x C	1/2"	50612	6/36	50612W	6/36	1/2	2	2	3 7/8	2 1/2	1/2	C x C	C x C
	3/4"	50613	6/36	50613W	6/36	3/4	2 7/8	2 1/16	3 7/8	2 3/8	1/2	C x C	C x C
	1"	50614	4/24	50614W	4/24	1	3 9/16	2 5/8	4 5/8	2 1/2	1/2	C x C	C x C
	1 1/4"	50615	2/12	50615W	2/12	1 1/4	3 7/8	3	4 5/8	3	3/4	C x C	C x C
	1 1/2"	50616	2/12	50616W	2/12	1 1/2	4 5/8	3 1/2	5 5/8	3 1/16	3/4	C x C	C x C
	2"	50617	1/6	50617W	1/6	2	5 1/2	4	5 5/8	4	3/4	C x C	C x C
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	SWT	IPS
	3/4"	54613	6/36	54613W	6/36	3/4	2 3/4	2 1/16	3 7/8	2 3/8	1/2	SWT	IPS
	1"	54614	4/24	54614W	4/24	1	3 3/8	2 5/8	4 5/8	2 1/2	1/2	SWT	IPS



## UNION BALL DRAIN™

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

600 WOG  
ISO 9001

### STANDARD BRASS

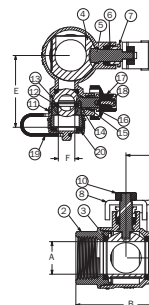
### LEAD-FREE BRASS

Certified to NSF/ANSI 61 & NSF/ANSI 372

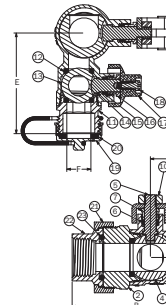
	SIZE	ITEM #	CTN/CASE	ITEM #	CTN/CASE	A	B	C	D	E	F	IPS UNION x IPS	
												IPS UNION	IPS
IPS UNION x IPS	3/4"	40433	6/24	40433W	6/24	3/4	4 3/8	2 1/16	4	2 7/16	1/2	IPS UNION	IPS
	1"	40434	4/16	40434W	4/16	1	4	2 5/8	4 1/16	2 1/2	1/2	IPS UNION	IPS
	1 1/4"	40435	2/12	40435W	2/12	1 1/4	4 5/16	3	4 5/16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



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			



**BALL DRAIN™**



**UNION BALL DRAIN™**

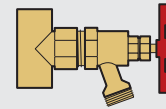


- Eliminates assemblies needed for installing drains into a line
- Install anywhere a drain or purge valve is required
- Hi-flow alternative for filling, draining, or venting closed-loop hydronic systems
- Add a garden hose connection to any water source in lines up to 2"
- Guaranteed for Life

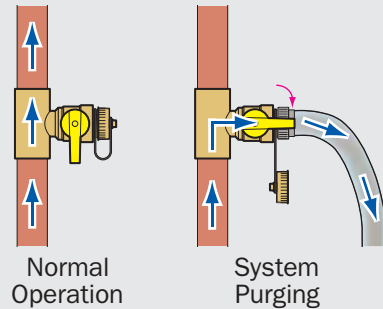
AVAILABLE W/  
LEAD-FREE  
**CLEAN BRASS**  
THE CLEAR CHOICE  
FOR THE PROFESSIONAL



**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 • ISO 9001

#### STANDARD BRASS

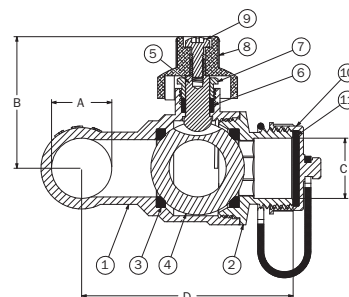
#### LEAD-FREE BRASS

Certified to NSF/ANSI  
61 & NSF/ANSI 372

SIZE	ITEM #	CTN/CASE	ITEM #	CTN/CASE	A	B	C	D	
IPS	1/2"	40672	10/80	-	1/2	1 15/16	1/2	2 15/16	
	3/4"	40673	8/48	-	3/4	2 5/16	1/2	3 7/16	
	1"	40674	8/48	-	1	2 5/16	1/2	3 13/16	
	1 1/4"	40675	6/24	-	1 1/4	2 7/8	3/4	4 1/4	
	1 1/2"	40676	4/24	-	1 1/2	2 7/8	3/4	4 5/8	
	2"	40677	2/20	-	2	3	3/4	5 3/16	
C×C	1/2"	50672	10/80	50672W	8/80	1/2	1 3/4	1/2	2 3/16
	3/4"	50673	8/48	50673W	6/48	3/4	2 3/8	1/2	2 13/16
	1"	50674	8/48	50674W	4/40	1	2 13/16	1/2	2 13/16
	1 1/4"	50675	6/24	50675W	4/40	1 1/4	3 3/16	3/4	2 13/16
	1 1/2"	50676	4/24	50676W	2/24	1 1/2	3 3/8	3/4	2 13/16
	2"	50677	2/20	50677W	2/20	2	3 5/8	3/4	3 1/16



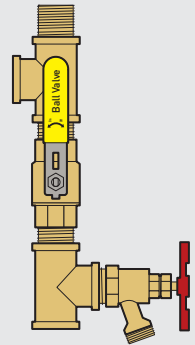
NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEAT	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	HANDLE	ENAMEL COATED ALUMINUM
9	HANDLE SCREW	BRASS
10	CAP & STRAP	BRASS W/ PVC STRAP
11	WASHER	EPDM



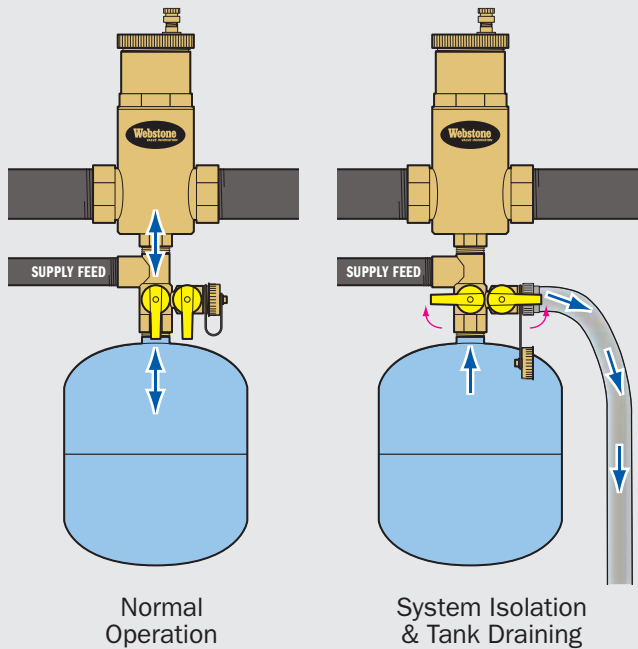


- The 3-way ball controls flow between the expansion tank and the system
- Easily install, isolate, drain & replace any expansion tank
- Quickly connect entire system to the cold water feed
- Guaranteed for Life

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



### HANDLE OPERATION



#### EXPANSION TANK PRO SERVICE VALVE™

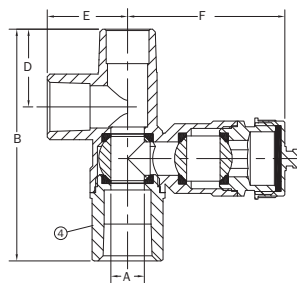
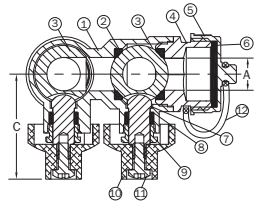
Full Port Forged Brass Ball Valves w/ Hi-Flow Hose Drain

600 WOG • ISO 9001

SIZE	STANDARD BRASS		A	B	C	D	E	F
	ITEM#	CTN/CASE						
1/2"	41672	1/30	1/2	3 3/8	19/16	11/8	1 3/16	2 5/16



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



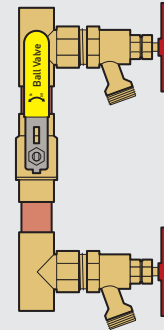
**Ideal for use with  
 the Webstone  
 Air Separator**



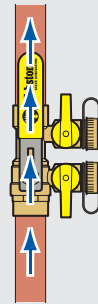
# PURGE & FILL™

- 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

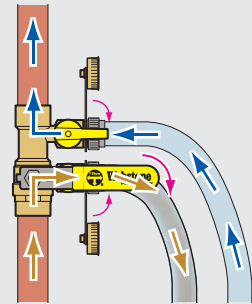
**THE OLD WAY**  
REPLACES 7 COMPONENTS  
ELIMINATES 6 LEAK PATHS  
SAVES 54 MINUTES OF LABOR



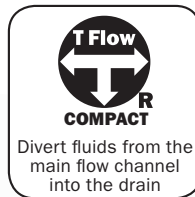
## HANDLE OPERATION



Normal Operation



System Draining, Flushing, Filling



### PURGE & FILL™

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

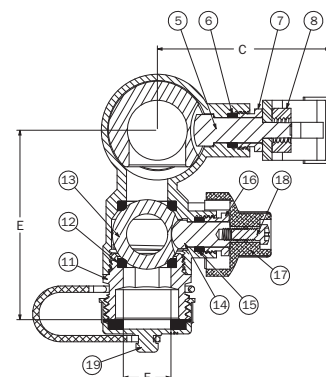
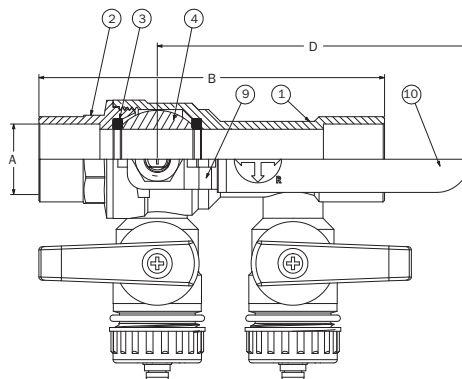
600 WOG  
ISO 9001

SIZE	STANDARD BRASS		A	B	C	D	E	F	
	ITEM#	CTN/CASE							
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
C×C	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 HANDLE SCREW	BRASS
19	CAP & STRAP	BRASS W/ PVC HOSE WASHER & STRAP



**PRIMARY/SECONDARY  
PURGE TEE™**

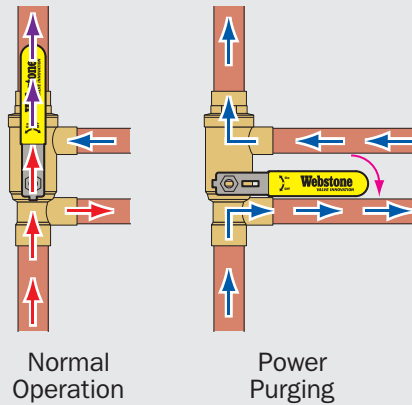
- Allows for placement of a ball valve between closely spaced tees
- Precision crafting achieves hydraulic separation
- Permits power purging of individual loops in hydronic systems
- Full port solid flow channel ensures highest flow rate possible
- Ideal for primary/secondary piping in mod-con boiler systems
- 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. PERIOD.**

**HANDLE OPERATION**

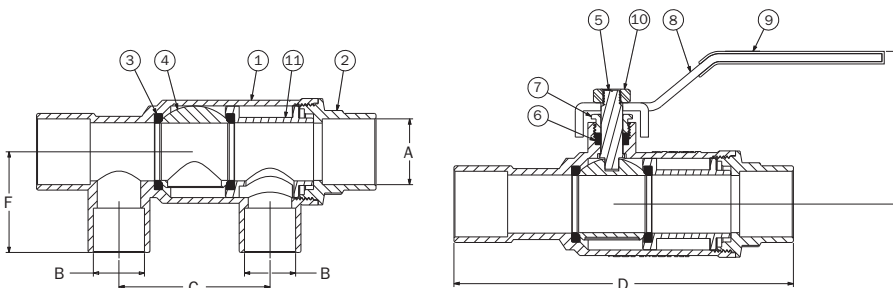


**PURGE-TEE™**

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

600 WOG  
ISO 9001

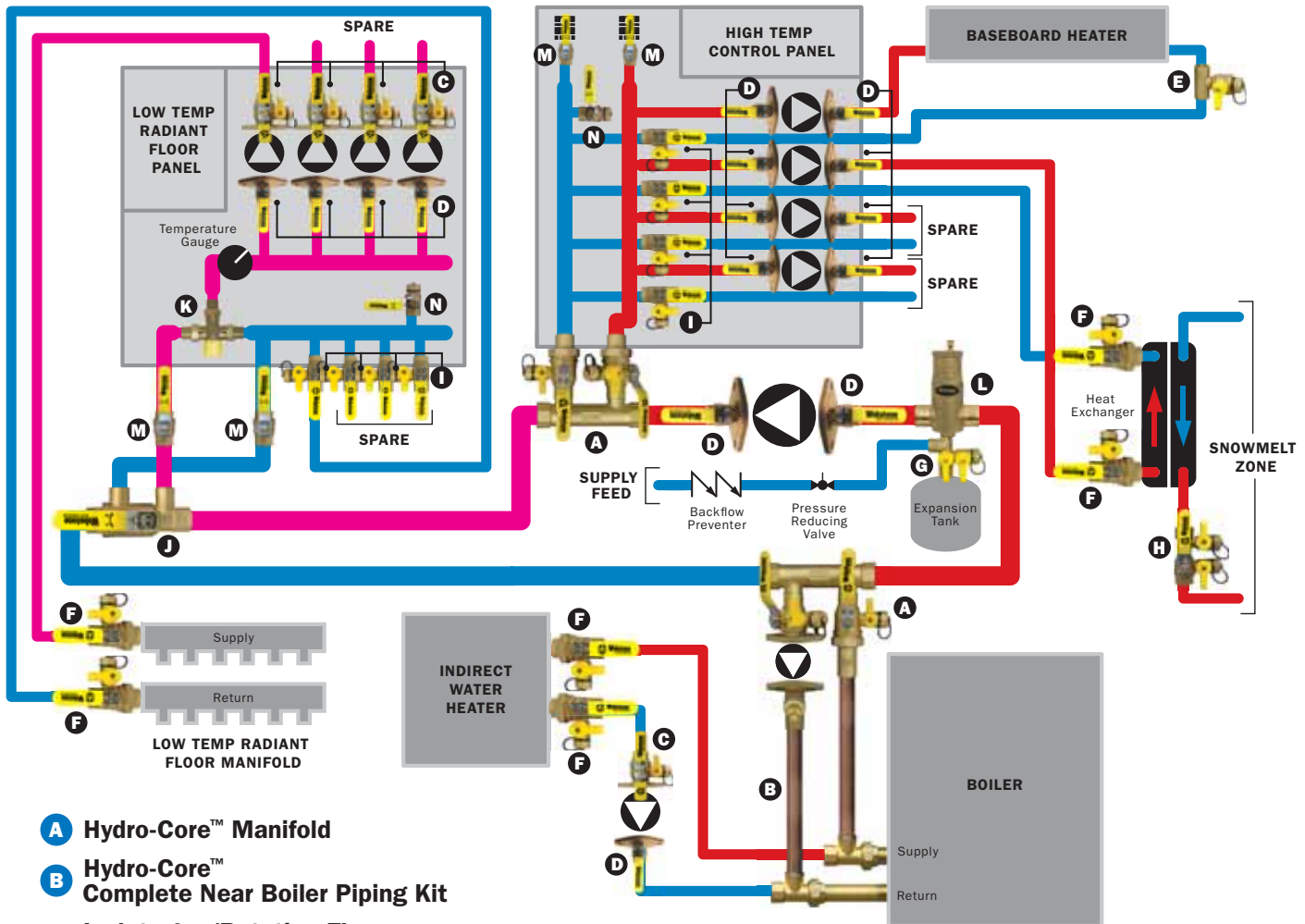
	RUN SIZE	BRANCH SIZE	STANDARD BRASS		A	B	C	D	E	F
			ITEM #	CTN/CASE						
<b>C×C (1" PRIMARY LOOP)</b>	1"	3/4"	58643	1/12	1	3/4	2 11/16	5 13/16	2 3/8	1 11/16
	1"	1"	58644	1/12	1	1	2 7/8	5 13/16	2 7/16	1 7/8
<b>C×C (1 1/4" PRIMARY LOOP)</b>	1 1/4"	1/2"	58652	1/12	1 1/4	1/2	2 5/8	5 3/4	2 9/16	1 11/16
	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
<b>C×C (1 1/2" PRIMARY LOOP)</b>	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
	1 1/2"	1/2"	58662	1/12	1 1/2	1/2	2 15/16	6 5/8	2 15/16	1 11/16
	1 1/2"	3/4"	58663	1/12	1 1/2	3/4	3 1/8	7 7/8	2 15/16	2 1/8
	1 1/2"	1"	58664	1/12	1 1/2	1	3 3/8	7 7/8	2 15/16	2 1/4



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	STEEL CP
9	HANDLE JACKET	VINYL
10	HANDLE NUT*	STAINLESS STEEL
11	SEAT RETAINER	BRASS

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

# WHERE WOULD YOU USE WEBSTONE?



- A** Hydro-Core™ Manifold
- B** Hydro-Core™ Complete Near Boiler Piping Kit
- C** Isolator® w/Rotating Flange & Multi-Function Drain
- D** Isolator® w/Rotating Flange
- E** T-Drain™
- F** Union Ball Drain™
- G** Expansion Tank Pro Service Valve™
- H** Purge & Fill™
- I** Ball Drain™
- J** Purge Tee™
- K** Thermostatic Mixing Valve
- L** Air Separator
- M** Brass Ball Valve
- N** Ball Valve w/Hose End

## ADVANTAGES TO COMPLETE INSTALLATION

- **Total Leak Paths Avoided: 169**
- **Total Estimated Labor Savings: 25 hours**

**Webstone**  
VALVE INNOVATION

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