

Webstone

VALVE INNOVATION

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

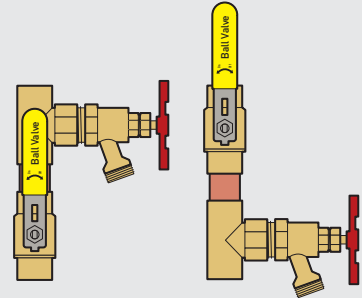
PRO-PAL
SERIES[®]





- 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



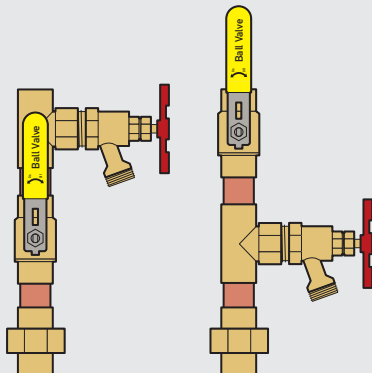
AVAILABLE W/
LEAD-FREE
**CLEAN
BRASS**
THE CLEAR CHOICE
FOR THE PROFESSIONAL



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



- All the Features of the Ball Drain, with Integrated Union Connection
- Easily disconnect and replace any portion of a piped system

DESIGN INCLUDES



ADJUSTABLE

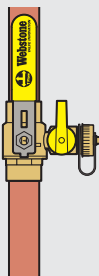


Adjustable Flow Path

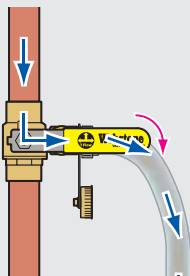
ADJUSTABLE

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

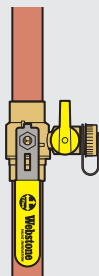


Normal Operation

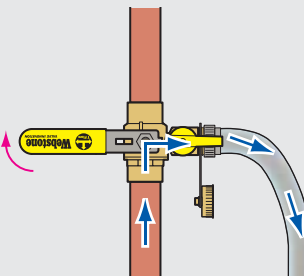


System Purging

DRAINING FROM BELOW BALL



Normal Operation



System Purging

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	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	2/12	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	2/12	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

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

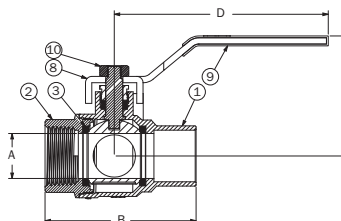
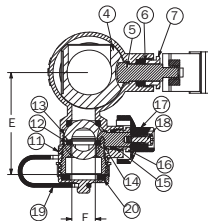
Certified to NSF/ANSI
61 & NSF/ANSI 372

	SIZE	ITEM #	CTN/CASE	ITEM #	CTN/CASE	A	B	C	D	E	F
IPS UNION x IPS	3/4"	40433	6/24	40433W	6/24	3/4	4 3/8	2 1/16	4	2 7/16	1/2
	1"	40434	4/16	40434W	4/16	1	4 11/16	2 5/8	4 1/16	2 1/2	1/2
	1 1/4"	40435	2/12	40435W	2/12	1 1/4	4 11/16	3	4 5/16	2 15/16	3/4
	1 1/2"	40436	2/12	40436W	2/8	1 1/2	5 5/8	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	4 5/8	2	3 5/8	2 5/16	1/2
	1"	50434	4/16	50434W	4/16	1	4 11/16	2 5/8	4 3/16	2 1/2	1/2
	1 1/4"	50435	2/12	50435W	2/12	1 1/4	4 11/16	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

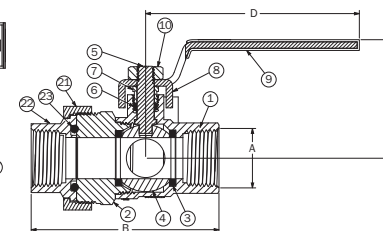
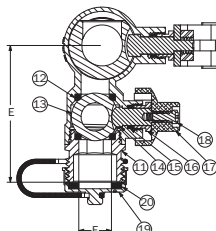
NO. DESCRIPTION MATERIAL

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	ALUMINUM
18	HANDLE SCREW	BRASS
19	CAP & STRAP	BRASS W/ PVC STRAP
20	WASHER	EPDM
21	UNION NUT	BRASS
22	FITTING	BRASS
23	WASHER	EPDM

BALL DRAIN™



UNION BALL DRAIN™



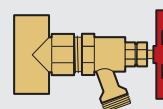


- Eliminates assemblies needed for installing drains into a line
- Install anywhere a drain or purge valve is required
- Hi-flow alternative for filling, draining, or venting closed-loop hydronic systems
- Add a garden hose connection to any water source in lines up to 2"
- Guaranteed for Life

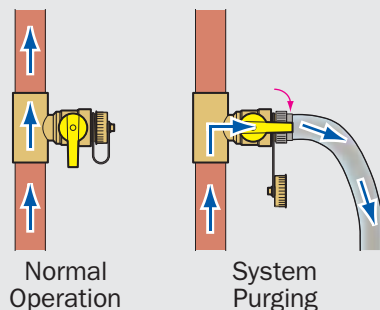
AVAILABLE W/
LEAD-FREE
CLEAN BRASS
THE CLEAR CHOICE
FOR THE PROFESSIONAL

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

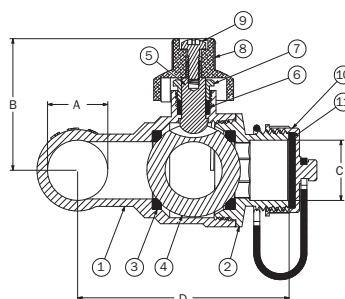
LEAD-FREE BRASS

Certified to NSF/ANSI
61 & NSF/ANSI 372

SIZE	ITEM #	CTN/CASE	ITEM #	CTN/CASE	A	B	C	D
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
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



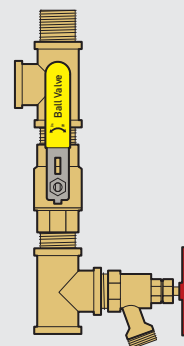
NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	SEAT	PTFE
4	BALL	BRASS HCP
5	STEM	BRASS
6	STEM SEAL	PTFE
7	PACKING GLAND	BRASS
8	HANDLE	ENAMEL COATED ALUMINUM
9	HANDLE SCREW	BRASS
10	CAP & STRAP	BRASS W/ PVC STRAP
11	WASHER	EPDM



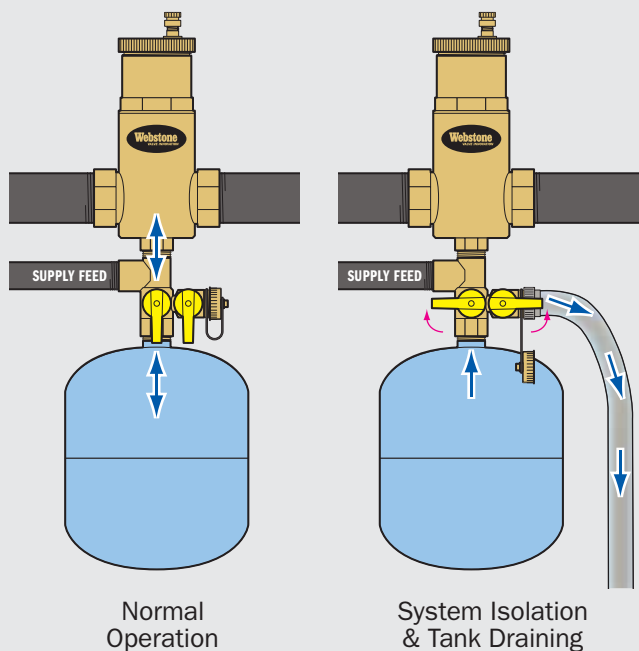


- The 3-way ball controls flow between the expansion tank and the system
- Easily install, isolate, drain & replace any expansion tank
- Quickly connect entire system to the cold water feed
- Guaranteed for Life

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



HANDLE OPERATION



EXPANSION TANK PRO SERVICE VALVE™

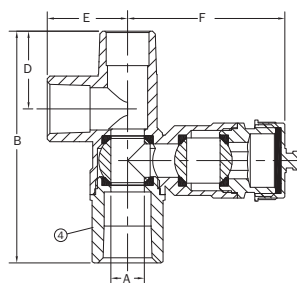
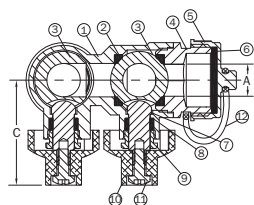
Full Port Forged Brass Ball Valves w/ Hi-Flow Hose Drain

600 WOG • ISO 9001

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



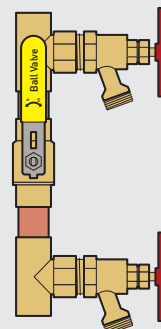
**Ideal for use with
 the Webstone
 Air Separator**



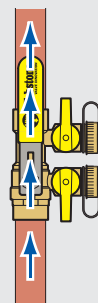
PURGE & FILL™

- 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

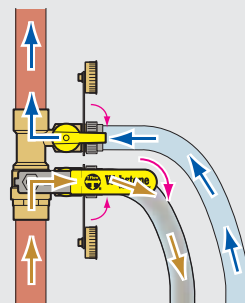
THE OLD WAY
REPLACES 7 COMPONENTS
ELIMINATES 6 LEAK PATHS
SAVES 54 MINUTES OF LABOR



HANDLE OPERATION



Normal Operation



System Draining, Flushing, Filling



Divert fluids from the main flow channel into the drain

PURGE & FILL™

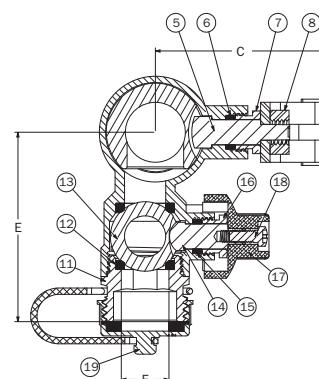
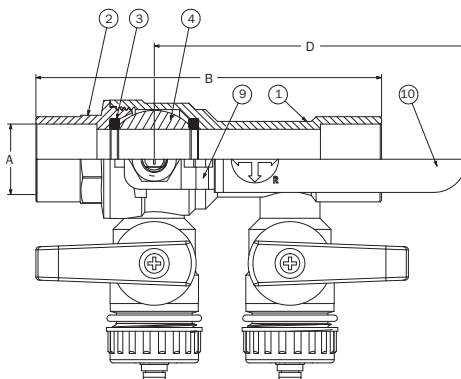
Full Port Forged Brass Ball Valves w/ (2) 3/4" Hi-Flow Hose Drains, Adjustable Packing Gland & Reversible Handle

600 WOG
ISO 9001

	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 HANDLE SCREW	BRASS
19	CAP & STRAP	BRASS W/ PVC HOSE WASHER & STRAP

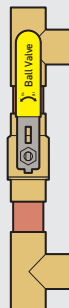




- Allows for placement of a ball valve between closely spaced tees
- Precision crafting achieves hydraulic separation
- Permits power purging of individual loops in hydronic systems
- Full port solid flow channel ensures highest flow rate possible
- Ideal for primary/secondary piping in mod-con boiler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

THE OLD WAY

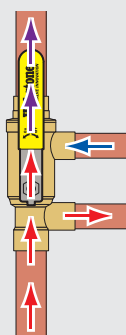
REPLACES 5 COMPONENTS*
ELIMINATES 4 LEAK PATHS
SAVES 36 MINUTES OF LABOR



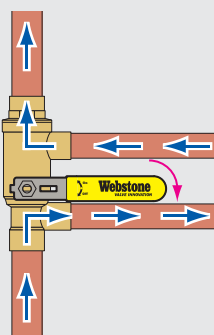
*Correct spacing for hydraulic separation cannot be achieved using off-the-shelf components.

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

HANDLE OPERATION



Normal Operation



Power Purging

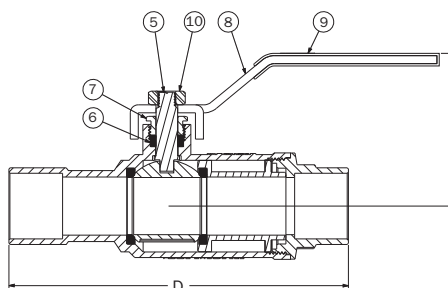
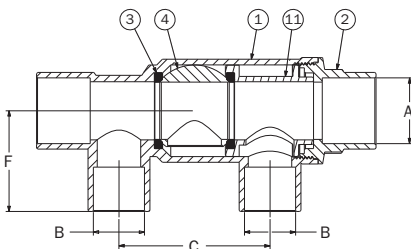


PURGE-TEE™

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

600 WOG
ISO 9001

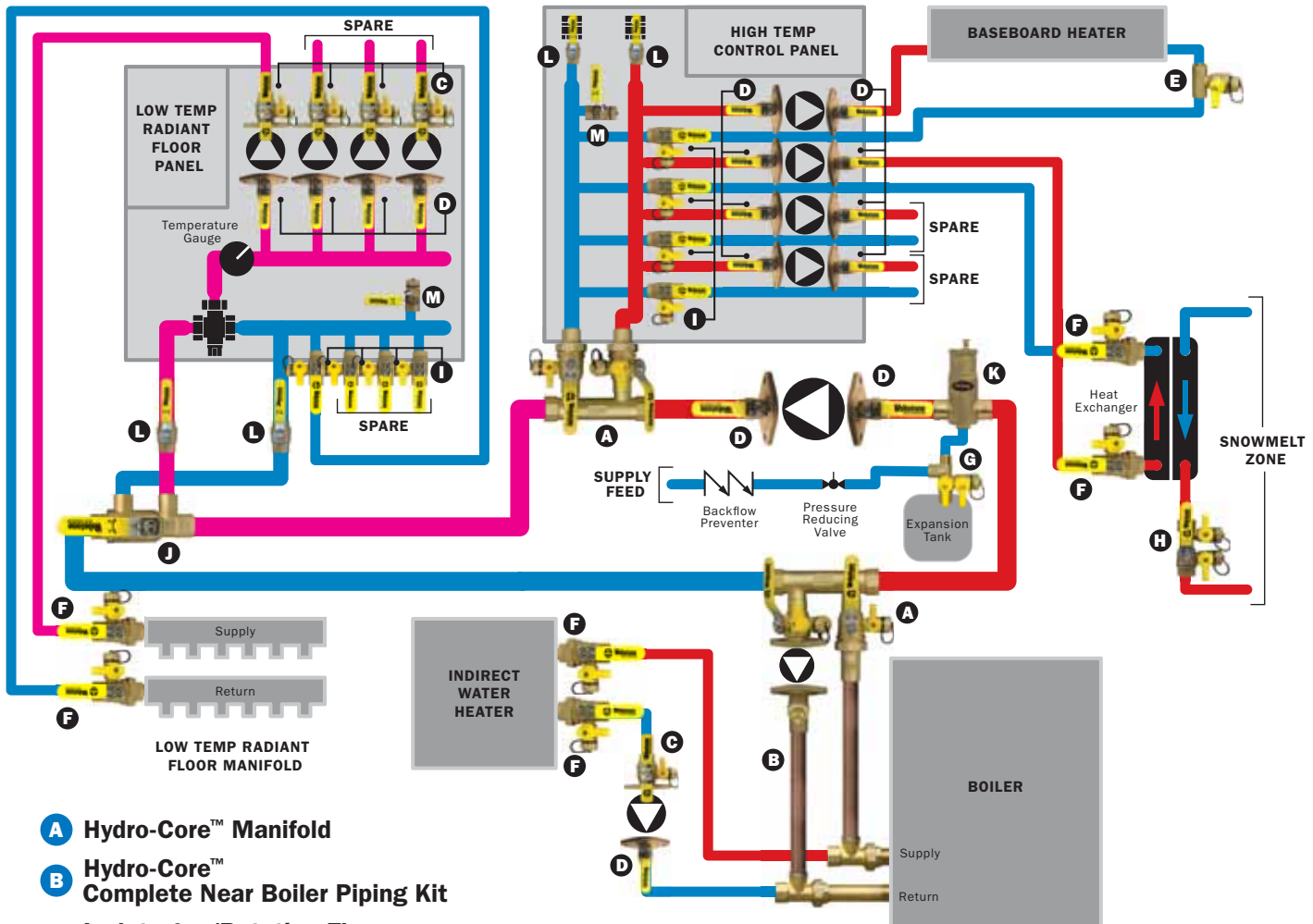
	RUN SIZE	BRANCH SIZE	STANDARD BRASS		A	B	C	D	E	F
			ITEM #	CTN/CASE						
C×C (1" PRIMARY LOOP)	1"	3/4"	58643	1/12	1	3/4	2 11/16	5 13/16	2 3/8	1 11/16
	1"	1"	58644	1/12	1	1	2 7/8	6 1/4	2 7/16	1 7/8
C×C (1 1/4" PRIMARY LOOP)	1 1/4"	1/2"	58652	1/12	1 1/4	1/2	2 5/8	5 3/4	2 9/16	1 11/16
	1 1/4"	3/4"	58653	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
	1 1/4"	1 1/4"	58655	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)	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** Air Separator
- L** Brass Ball Valve
- M** 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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www.webstonevalves.com

This content has been provided for the express purpose of demonstrating a product's function in a system and should not be used as a reference for designing or assembling any working installation. The user is solely responsible for ensuring that all products are used and all systems are designed in accordance with all applicable federal, state and local codes.

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