

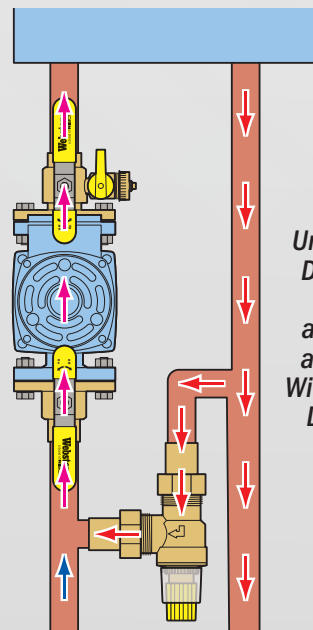
# THE **QUIET** WAY TO ZONE **FIXED-SPEED** SYSTEMS

## DIFFERENTIAL PRESSURE BY-PASS VALVE

- Eliminates noise in a zoned hydronic system with fixed-speed primary circulator pump
- Protects system components
- Maintains system efficiency
- Prevents over-pumping of zones
- Installs between the boiler supply and return lines, or between zone legs in larger systems
- Installs in any orientation
- Press, FIP, MIP, and SWT connections
- Compatible with optional G1 Union accessories



Available straight  
and angled  
body options



*Under partial loads, the DPBV opens to ensure quiet operation and appropriate pressures at the boiler circulator. With all zones active, the DPBV remains closed*

**Webstone**<sup>®</sup>  
a brand of **NIBCO**<sup>®</sup>

**VALVE INNOVATION  
GUARANTEED FOR LIFE**

CONDITIONS APPLY. SEE WEBSTONEVALVES.COM FOR FULL DETAILS.

[webstonevalves.com/DPBV](http://webstonevalves.com/DPBV)

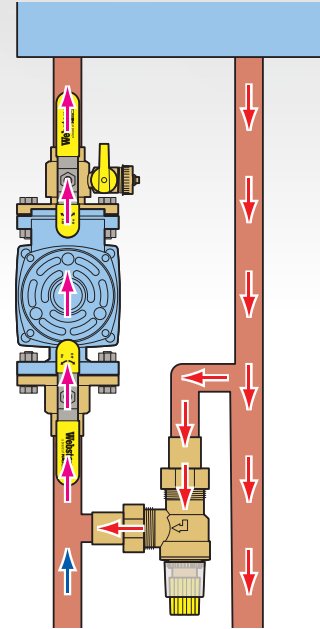


# DIFFERENTIAL PRESSURE BY-PASS VALVE

## FORGED BRASS DIFFERENTIAL PRESSURE BY-PASS VALVE

Opening Differential Pressure Setting  
Adjustable from 1.5 to 9 PSI

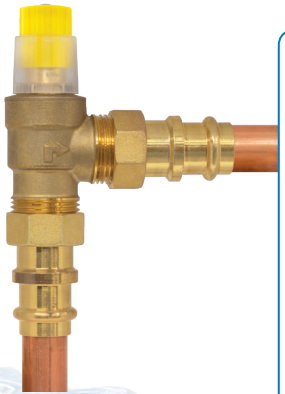
STANDARD BRASS				
SIZE	MAX GPM	ITEM #	CTN/CASE	CASE WT
<b>MIP</b>				
3/4"	9	H-72533	1/36	145 PSI CWP 25
1"	18	H-72544	1/36	31
<b>FIP</b>				
3/4"	9	H-74533	1/36	145 PSI CWP 25
1"	18	H-74544	1/36	31
<b>SWT</b>				
3/4"	9	H-75533	1/36	145 PSI CWP 25
1"	18	H-75544	1/36	31
<b>Press</b>				
3/4"	9	H-78533	1/36	145 PSI CWP 25
1"	18	H-78544	1/36	31



## FORGED BRASS ANGLED DIFFERENTIAL PRESSURE BY-PASS VALVE

Opening Differential Pressure Setting  
Adjustable from 1.5 to 9 PSI

STANDARD BRASS				
SIZE	MAX GPM	ITEM #	CTN/CASE	CASE WT
<b>MIP</b>				
3/4"	9	H-72533-A	1/36	145 PSI CWP 22
1"	18	H-72544-A	1/36	28
<b>FIP</b>				
3/4"	9	H-74533-A	1/36	145 PSI CWP 22
1"	18	H-74544-A	1/36	28
<b>SWT</b>				
3/4"	9	H-75533-A	1/36	145 PSI CWP 22
1"	18	H-75544-A	1/36	28
<b>Press</b>				
3/4"	9	H-78533-A	1/36	145 PSI CWP 22
1"	18	H-78544-A	1/36	28



- Installed between the boiler supply and return lines, after the circulator pump
- Valve opens in low-demand operating conditions, ensuring proper flow to boiler and preventing over-pumping of zones

# CUSTOM INSTALLATION OPTIONS

- Select a body and pair with the matching sized ends in the connection of your choice
- Add a G1 Union accessory between the body and ends for even more flexibility

## FORGED BRASS DIFFERENTIAL PRESSURE BY-PASS VALVE BODY

Opening Differential Pressure Setting  
Adjustable from 1.5 to 9 PSI

STANDARD BRASS				
SIZE	MAX GPM	ITEM #	CTN/CASE	CASE WT
<b>G1 Thread</b>				
3/4"	9	H-70530	1/36	145 PSI CWP/230 F 25
1"	18	H-70540	1/36	31
<b>ANGLED</b>				
<b>G1 Thread</b>				
3/4"	9	H-70530-A	1/36	145 PSI CWP/230 F 22
1"	18	H-70540-A	1/36	28



## FORGED DZR BRASS FITTING

SIZE	LEAD-FREE BRASS		
	ITEM #	CTN/CASE	CASE WT
<b>G1 Union x FIP</b>			
3/4"	H-7-2103W WP	10/100	34
1"	H-7-2104W WP	10/100	43
<b>G1 Union x MIP</b>			
3/4"	H-7-4103W WP	10/100	36
1"	H-7-4104W WP	10/100	39
<b>G1 Union x SWT</b>			
3/4"	H-7-5103W WP	10/100	29
1"	H-7-5104W WP	10/100	33
<b>G1 Union x Press</b>			
3/4"	H-7-8103W WP	10/100	39
1"	H-7-8104W WP	10/100	43



## G1 UNION ELBOW

Forged DZR Brass Fitting

### LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	ITEM #	CTN/CASE	CASE WT
<b>G1 Union x G1 Thread</b>			
1**	H-7-G144W-A	10/60	150 PSI CWP 29

\*FITS 3/4" & 1" DIFFERENTIAL BYPASS VALVES



## ANGLED ISOLATION BALL VALVE

Full Port Forged DZR Brass Valve  
w/ Reversible Yellow Handle

### LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	ITEM #	CTN/CASE	CASE WT
<b>G1 Union x G1 Thread</b>			
1**	H-7-G134WY-A	10/60	150 PSI CWP 56

\*FITS 3/4" & 1" DIFFERENTIAL BYPASS VALVES



## ISOLATION BALL VALVE

Full Port Forged DZR Brass Valve  
w/ Reversible Yellow Handle

### LEAD-FREE BRASS

Certified to NSF/ANSI 61 & 372

SIZE	ITEM #	CTN/CASE	CASE WT
<b>G1 Union x G1 Thread</b>			
1**	H-7-G134WY	10/60	150 PSI CWP 51

\*FITS 3/4" & 1" DIFFERENTIAL BYPASS VALVES

