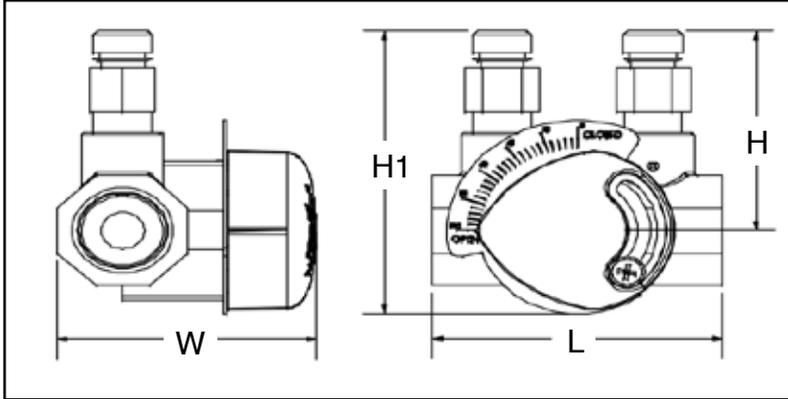
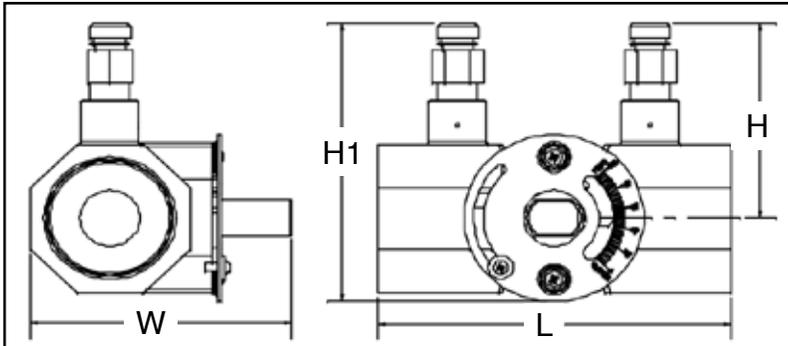


Job Name: _____	Submitted by: _____	Date: _____
	Spec Section: _____	
Job Location: _____	Engineer/Architect: _____	
	Approval: _____	Date: _____



1/2" - 1"



1 1/4" - 2"



Specification

The Lead free CS balancing valve is a ball valve style valve made of a low lead brass body and a nickel plated brass ball. It is available in sizes from 1/2" to 2" with either FNPT or solder connections. The valve comes standard with two pressure test ports. These valves are compliant with ANSI/NSF 372.

Maximum working temperature: 250°F
Maximum working pressure: 400 psi

Item:

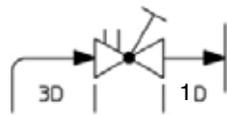
- | | |
|-------------|---------|
| 1/2" FNPT | 1660904 |
| 3/4" FNPT | 1660906 |
| 1" FNPT | 1660908 |
| 1-1/4" FNPT | 1660910 |
| 1-1/2" FNPT | 1660912 |
| 2" FNPT | 1660916 |
| 1/2" SWT | 1660951 |
| 3/4" SWT | 1660952 |
| 1" SWT | 1660953 |
| 1-1/4" SWT | 1660954 |
| 1-1/2" SWT | 1660955 |
| 2" SWT | 1660956 |

Coil Kit Dimensions in Inches

Dimension	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
L - FNPT	2.9	3.1	3.8	4.4	4.4	5.1
L - SWT	2.9	3.5	4.3	4.9	5.2	6.3
H	2.0	2.1	2.2	2.4	2.5	2.8
H1	2.9	3.0	3.0	3.5	3.6	4.2
W	2.3	2.3	2.8	3.3	3.5	4.1
Cv	1.6	3.1	8.1	17.0	27.0	40.0

Installation Notes

When installing the balancing valve, it is to be observed that the direction of flow conforms with the arrow on the valve body and that the valve is installed with a minimum of 3 D (3 x nominal pipe diameter) of straight pipe at the valve inlet and of 1 D (1 x nominal pipe diameter) of straight pipe at the valve outlet.



*Contains less than 0.25% lead content by weight on wetted surfaces. IAPMO R&T certified: AB1953; Vermont S152; Maryland House Bill 372 (Statue 12-605). ANSI/NSF-61 Annex G Compliant.

Recommended flow range

“Low lead CS” Manual Balancing Valve		
Size	Recommended Flow range [GPM]	Connection ends
1/2”	0.7 - 3.0	FNPT x FNPT Sweat x Sweat
3/4”	1.3 - 5.9	
1”	3.4 - 15.4	
1 1/4”	7.2 - 32.3	
1 1/2”	11.5 - 51.3	
2”	17.0 - 76.0	



Cv table for various settings

Percent open	1/2”	3/4”	1”	1 1/4”	1 1/2”	2”
20	-	-	-	1.4	2.0	1.8
30	-	0.6	1.0	3.7	6.9	9
40	0.7	1.4	1.7	7.4	11	17
50	1.2	2.3	4.4	12	18	27
60	1.7	3.2	6.2	17	28	44
70	2.5	4.7	9.2	25	40	64
80	-	-	-	37	61	90
100	5.4	10.5	28	58	90	140