

Technical Advantages

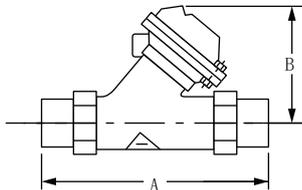
- ✓ Our diaphragm valves utilize a dual-chamber design to control internal flow. This design makes the control more flexible, reliable and durable, and minimizes switching defects that a single-chamber valve may have.
- ✓ The valve body and cap are molded with glass fiber reinforced thermoplastic that gives extreme strength, long service life and excellent corrosion resistance. Our diaphragm valves are well suited to demineralization processes.
- ✓ A special molding process is used to give the reinforced rubber diaphragm extra strength, abrasion resistance and long service life.
- ✓ The Y-pattern design minimizes pressure loss and increases flow, which results in energy efficient valves.

Y52



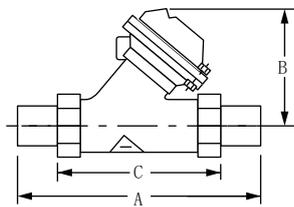
- Working Pressure : 1 - 8 bar (15-115 psi)
- Working Temperature : 4 - 50 °C (40-122 °F)

Male Socket Weld End Connectors



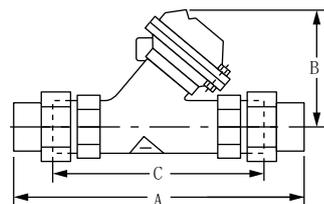
Pipe Size	Units	A	B
1.25"	inches	6.30	3.43
	mm	160.0	87.0

Grooved Adaptor Connectors



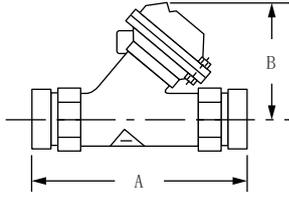
Pipe Size	Units	A	B	C
1"	inches	9.00	4.06	4.50
	mm	228.6	103.1	114.3
1.5"	inches	12.50	5.06	7.75
	mm	336.5	128.5	196.8

Union End Connectors

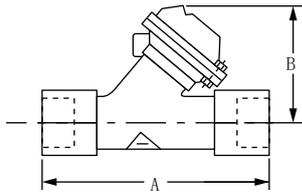


Pipe Size	Units	A	B	C
2"	inches	12.32	5.06	8.78
	mm	313	128.5	223

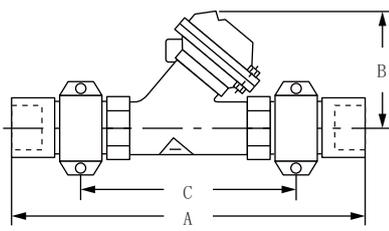
Diaphragm Valve

Grooved Prepared for Coupling End Connectors


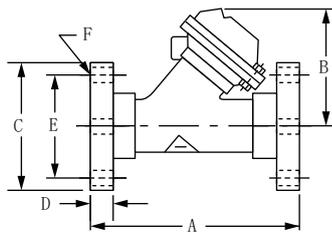
Pipe Size	Units	A	B
2"	inches	7.87	5.06
	mm	200.0	128.5
3"	inches	12.60	8.69
	mm	320.0	220.7

Female Socket Weld End Connectors


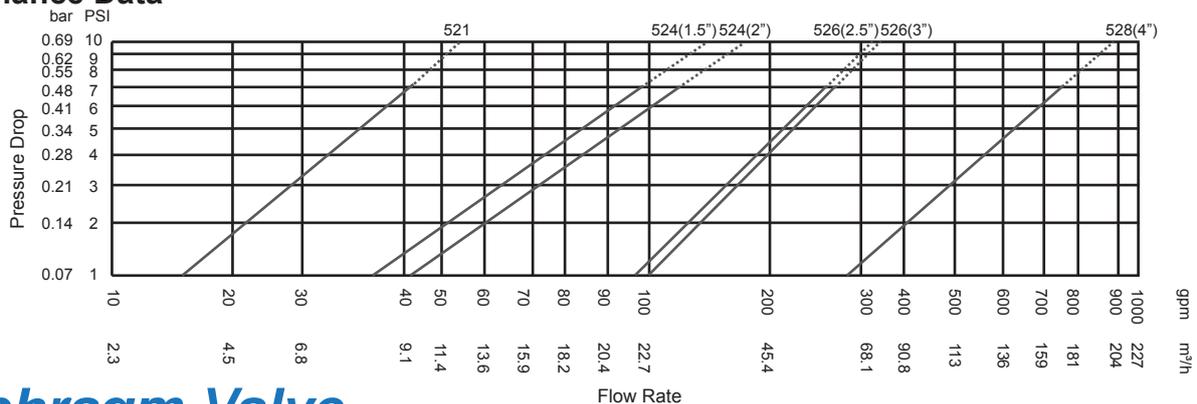
Pipe Size	Units	A	B
1"	inches	6.30	3.43
	mm	160.0	87.0
1.5"	inches	8.35	5.35
	mm	212.0	136.0
2"	inches	10.24	5.35
	mm	260.0	136.0

Coupling+Socket Weld End Connectors


Pipe Size	Units	A	B	C
1.5"	inches	12.83	5.06	7.87
	mm	326.0	128.5	200.0
2"	inches	13.23	5.06	7.87
	mm	336.0	128.5	200.0
2.5"	inches	18.50	8.69	12.60
	mm	470.0	220.7	320.0

Flanged End Connectors


Pipe Size	Standard	Units	A	B	C	D	E	F
2.5"	DIN	inches	11.22	8.69	7.28	0.87	5.71	.71
		mm	285.0	220.7	185.0	22.0	145.0	18.0
	ANSI	inches	11.22	8.69	7.28	0.87	5.49	.71
		mm	285.0	220.7	185.0	22.0	139.5	18.0
3"	DIN	inches	12.52	8.69	7.87	0.87	6.30	.71
		mm	318.0	220.7	200.0	23.0	160.0	18.0
	ANSI	inches	12.52	8.69	7.87	0.87	6.00	.71
		mm	318.0	220.7	200.0	23.0	152.5	18.0
4"	DIN	inches	12.20	9.37	8.66	.91	7.09	.71
		mm	310.0	238.0	220.0	23.0	180.0	18.0
	ANSI	inches	12.20	9.37	8.66	.91	7.50	.71
		mm	310.0	238.0	220.0	23.0	190.5	18.0

Performance Data


Diaphragm Valve