

Technical Advantages

- ✓ **Low Pressure Loss** – Y-pattern diaphragm valve, with large seat opening and high lift disc permits higher flow rates at lower pressure loss than other comparable valves.
- ✓ **Separate Diaphragm Chambers** – Separate diaphragm chambers protect the valve diaphragm from the flow stream. This allows the diaphragm to be replaced without disrupting service.
- ✓ **Long Diaphragm Life** – Pre-formed, stress-relieved diaphragm minimizes fatigue, maximizes valve responsiveness and diaphragm lifetime.
- ✓ **Corrosion Resistant** – All internal parts in contact with media are made of composite materials.^① Seals are ethylene propylene for better chemical resistance.^②
- ✓ **Adaptable to a Wide Variety of Control Devices.**
- ✓ **Valve is operated by introducing either hydraulic or pneumatic pressure.**

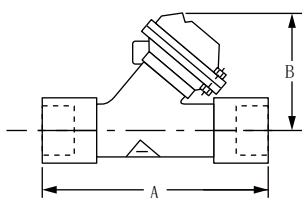
Y52



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

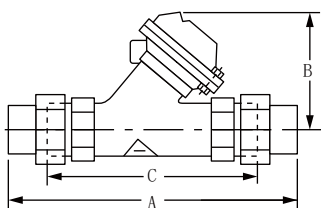
① Normally closed valve configurations are NOT recommended when used with corrosive fluids.
 ② Valves are NOT recommended for use with any aromatic, hydrocarbon-based media.

Female Socket Weld End Connectors



Valve Model	Pipe Size	Units	A	B
Y521	1"	inches	6.30	3.43
		mm	160.0	87.0
Y524	1.5"	inches	8.35	5.35
		mm	212.0	136.0
	2"	inches	10.24	5.35
		mm	260.0	136.0

Union End Connectors



Valve Model	Pipe Size	Units	A	B	C
Y521	1"	inches	9.06	4.06	/
		mm	230.0	103.1	
Y524	2"	inches	12.32	5.06	8.78
		mm	313	128.5	223

Available Valve Options:

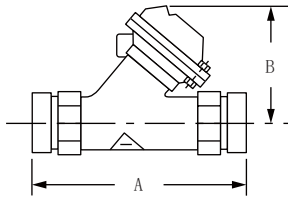
- Normally Open (NO) (Standard)
- Normally Closed (NC)
- Spring-Assist Closed (SAC)
- Spring-Assist Open (SAO)
- Limit Stop (LS)
- Position Indicator (PI)
- Signal Switch (SS)
- Solenoid
- Liquid Level Control (LLC)

Diaphragm Valve

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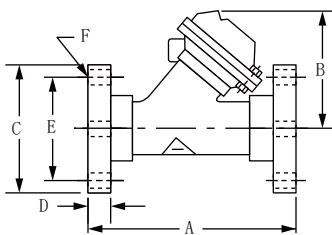


Grooved Prepared for Coupling End Connectors



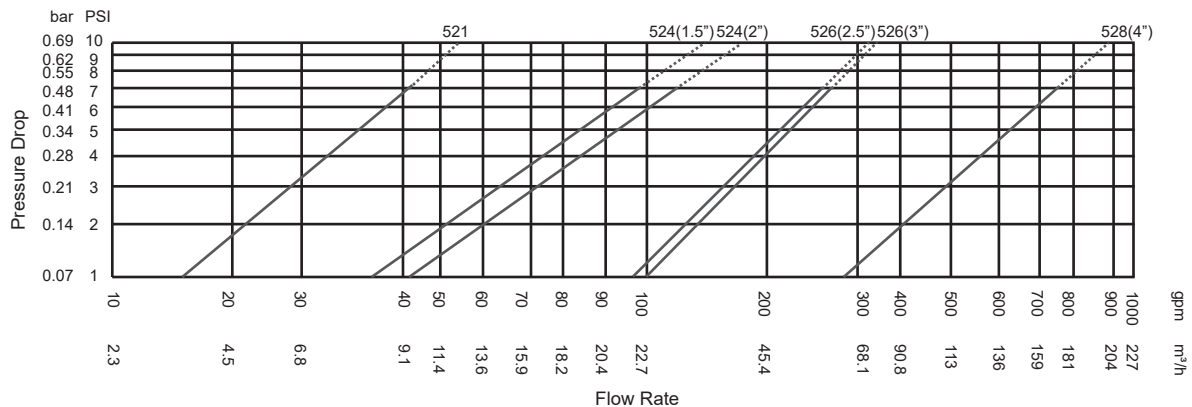
Valve Model	Pipe Size	Units	A	B
Y524	2"	inches	7.87	5.06
		mm	200.0	128.5
Y526	3"	inches	12.60	8.69
		mm	320.0	220.7

Flanged End Connectors



Valve Model	Pipe Size	Standard	Units	A	B	C	D	E	F	
Y526	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	18.0
			mm	285.0	220.7	185.0	22.0	139.5	18.0	18.0
	3"	DIN	inches	12.52	8.69	7.87	0.87	6.30	.71	18.0
			mm	318.0	220.7	200.0	23.0	160.0	18.0	18.0
Y528	4"	DIN	inches	12.20	9.37	8.66	.91	7.09	.71	18.0
			mm	310.0	238.0	220.0	23.0	180.0	18.0	18.0
		ANSI	inches	12.20	9.37	8.66	.91	7.50	.71	18.0
			mm	310.0	238.0	220.0	23.0	190.5	18.0	18.0

Performance Data



Typical Application:

- Chemical Injection
- Deionizers Desalination
- Detergent and Bleach Handling
- Electronic Industry
- Evaporation
- Fertilizer Spray Equipment
- Level Control Systems
- Metal Recovery Systems
- Mining Wastes
- Process Water Systems
- Water Treatment Systems