

VP512 Unit Vent Pneumatic Control Valve



A normally open, single seated, straight-through or angle globe valve used for proportional control of steam or hot water in unit ventilator applications. Replacement devices are available for Johnson, Powers, Robertshaw, Barber-Colman, and older Honeywell devices.

- Equal percentage, high lift throttling guide provides accurate control over wide load variations.
- Molded replaceable composition disc for tight shut-off.
- Replaceable brass seat.
- Self-adjusting, spring-loaded Teflon® packing.
- Back-seating allows repacking without shutting down or draining system.
- Rotatable actuator for aligning air connection with control air piping.
- Integral union connection to simplify installation and service.

Valve Type: Globe Valve
Body Pressure: 150 psi
Air Connections: Dual barbed for 5/32 in. or 1/4 in. plastic tubing
Valve Action: Proportional Normally Open
Controlled Medium: Steam; Water
Type of End Connection: Outlet - External NPT Union; Inlet - Internal NPT
Operating Humidity Range (% RH): 5 to 95% RH
Temperature Range: For Water: 115 F to 240 F; For Steam: 212 F to 275 F
Maximum Temperature Differential: For Water: 140 F
Maximum Actuator Temperature: 160 F
Maximum Diaphragm Pressure: 25 psi (172 kPa)

Accessories:

312817AA-Actuator Assembly, 3 to 8 psi, 21 to 55 kPa, and 1/2 in. stroke.

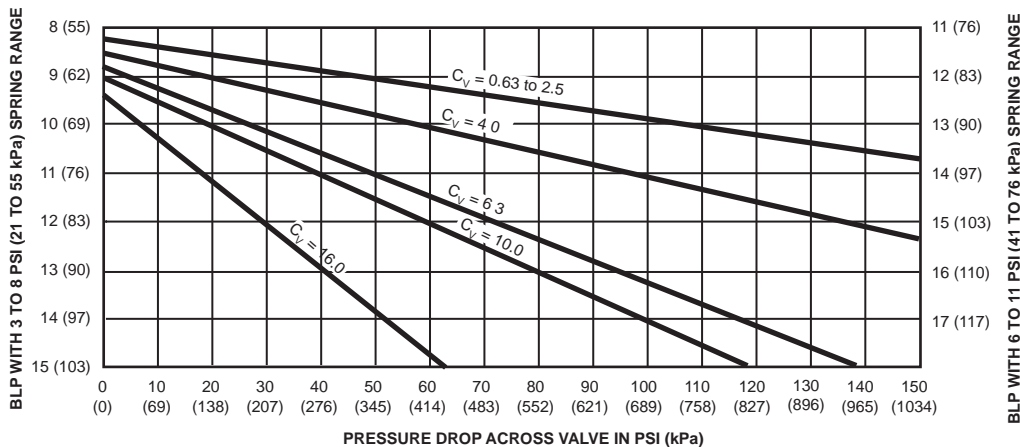
312817AB-Actuator Assembly, 6 to 11 psi, 41 to 76 kPa and 1/2 in. stroke.

Replacement Parts:

14002863-001-Valve rebuild kit for 3/4 to 1 1/4 in valves with Cv of 6.3 or 10

Product Number	End Connection Size		Capacity		Close-off Ratings at Branch Line Pressure	Spring Range		Body Pattern
	(inch)	(mm)	(Cv)	(Kv)		(psi)	(kPa)	
VP512A1726/U	1 in.	25 mm	10 Cv	8.57 Kv	78 psi at 13 psi	3 psi to 8 psi	21 kPa to 55 kPa	Two-way, Straight-through
VP512A1742/U	1 in.	25 mm	10 Cv	8.57 Kv	78 psi at 13 psi	3 psi to 8 psi	21 kPa to 55 kPa	Two-way, Right Angle
VP512A1767/U	1 1/4 in.	32 mm	16 Cv	13.7 Kv	40 psi at 13 psi	3 psi to 8 psi	21 kPa to 55 kPa	Two-way, Straight-through
VP512A1783/U	1 1/4 in.	32 mm	16 Cv	13.7 Kv	40 psi at 13 psi	3 psi to 8 psi	21 kPa to 55 kPa	Two-way, Right Angle

Close-off Ratings at various Branchline Pressures



CLOSE-OFF RATINGS AT VARIOUS BRANCH LINE PRESSURES

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