

Pneumatic Valves

VP526 Three-Way High Pressure Water Valve



Three-way pneumatic mixing valve provides proportional control of hot and/or cold water in unit air conditioners and fan coil systems. Replacement devices are available for Johnson, Powers, Robertshaw, Barber-Colman, and older Honeywell devices.

- Small size permits installation where space is limited.
- Direct-acting, rolling diaphragm actuator with integral high temperature plastic air connector for 1/4 in. (6-mm) O.D. plastic tubing.
- Spring loaded, self-adjusting Buna-N “V”-ring packing replaceable.
- Brass seats (integral lower, removable upper) and contoured plug provide metal-to-metal seating.
- Stainless steel stem.
- Linear and constant total flow throughout full plug travel.

Valve Type: Unitary

Body Pattern: Three-way Mixing

Body Pressure: 250 psi (1724 kPa)

Air Connections: Push on for 1/4 in. O.D. plastic tubing

Valve Action: Proportional Normally Open Ports B to AB

Controlled Medium: Water

Type of End Connection: 45 degree. SAE flare

Operating Humidity Range (% RH): 5 to 95% RH

Temperature Range: 35 F to 250 F (2 C to 121 C)

Maximum Safe Actuator Diaphragm Temperature: 230 F (110 C)

Maximum Diaphragm Pressure: 29 psi (200 kPa)

Accessories:

14003648-001-Vandalism Resistant Assembly, Cover assembly with 1/8 in NPT air Connection and push-in retainer to replace standard Cover

Replacement Parts:

315917-Diaphragm

14001046-004-Cover fastener for VP525A,C; VP526A; VP527A; or VP531A,C

14003297-001-Valve repack kit for VP526A, VP527A, or VP531A valves with 3/16 inch stem

14003102-001-Replacement top assembly

Product Number	End Connection Size		Capacity		Close-off Ratings at Branch Line Pressure		Spring Range	
	(inch)	(mm)	(Cv)	(Kv)	Port A	Port B	(psi)	(kPa)
VP526A1001/U	O.D.: 5/8 in.; Nominal: 1/2 in.	O.D.: 15.9 mm; Nominal: 12.7 mm	1.6 Cv	1.38 Kv	14 psid at 0 psi	50 psid at 17 psi	3 psi to 10 psi	21 kPa to 69 kPa
VP526A1019/U	O.D.: 5/8 in.; Nominal: 1/2 in.	O.D.: 15.9 mm; Nominal: 12.7 mm	2.5 Cv	2.16 Kv	14 psid at 0 psi	50 psid at 17 psi	3 psi to 10 psi	21 kPa to 69 kPa
VP526A1027/U	O.D.: 5/8 in.; Nominal: 1/2 in.	O.D.: 15.9 mm; Nominal: 12.7 mm	1.6 Cv	1.38 Kv	5 psid at 0 psi	50 psid at 12 psi	2 psi to 5 psi	14 kPa to 34 kPa
VP526A1035/U	O.D.: 5/8 in.; Nominal: 1/2 in.	O.D.: 15.9 mm; Nominal: 12.7 mm	2.5 Cv	2.16 Kv	5 psid at 0 psi	50 psid at 12 psi	2 psi to 5 psi	14 kPa to 34 kPa
VP526A1043/U	O.D.: 5/8 in.; Nominal: 1/2 in.	O.D.: 15.9 mm; Nominal: 12.7 mm	1.6 Cv	1.38 Kv	58 psid at 0 psi	50 psid at 18 psi	8 psi to 11 psi	55 kPa to 76 kPa
VP526A1050/U	O.D.: 5/8 in.; Nominal: 1/2 in.	O.D.: 15.9 mm; Nominal: 12.7 mm	2.5 Cv	2.16 Kv	58 psid at 0 psi	50 psid at 18 psi	8 psi to 11 psi	55 kPa to 76 kPa
VP526A1068/U	O.D.: 1/2 in.; Nominal: 3/8 in.	O.D.: 12.7 mm; Nominal: 9.5 mm	1.0 Cv	0.86 Kv	14 psid at 0 psi	50 psid at 17 psi	3 psi to 10 psi	21 kPa to 69 kPa
VP526A1076/U	O.D.: 1/2 in.; Nominal: 3/8 in.	O.D.: 12.7 mm; Nominal: 9.5 mm	1.6 Cv	1.38 Kv	14 psid at 0 psi	50 psid at 17 psi	3 psi to 10 psi	21 kPa to 69 kPa
VP526A1084/U	O.D.: 1/2 in.; Nominal: 3/8 in.	O.D.: 12.7 mm; Nominal: 9.5 mm	1.0 Cv	0.86 Kv	5 psid at 0 psi	50 psid at 12 psi	2 psi to 5 psi	14 kPa to 34 kPa
VP526A1092/U	O.D.: 1/2 in.; Nominal: 3/8 in.	O.D.: 12.7 mm; Nominal: 9.5 mm	1.6 Cv	1.38 Kv	5 psid at 0 psi	50 psid at 12 psi	2 psi to 5 psi	14 kPa to 34 kPa
VP526A1100/U	O.D.: 1/2 in.; Nominal: 3/8 in.	O.D.: 12.7 mm; Nominal: 9.5 mm	1.0 Cv	0.86 Kv	58 psid at 0 psi	50 psid at 18 psi	8 psi to 11 psi	55 kPa to 76 kPa
VP526A1118/U	O.D.: 1/2 in.; Nominal: 3/8 in.	O.D.: 12.7 mm; Nominal: 9.5 mm	1.6 Cv	1.38 Kv	58 psid at 0 psi	50 psid at 18 psi	8 psi to 11 psi	55 kPa to 76 kPa