

Pneumatic Valves

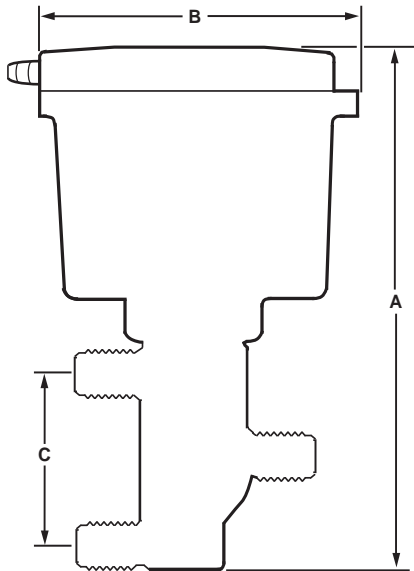
VP522 Pneumatic Sequencing Water Valve



Three-pipe, sequencing, pneumatically operated water valve for controlling both hot and cold water flow in fan-coil and induction units. Replacement devices are available for Johnson, Powers, Robertshaw, Barber-Colman, and older Honeywell devices.

- Corrosion resistant.
- Molded-in composition discs for tight shutoff.
- Flare connections for easy installation.
- Operator rotates 360 degrees for convenient air piping alignment.

Dimensions in inches (millimeters)



VALVE SIZE	A IN INCHES (mm)	B IN INCHES (mm)	C IN INCHES (mm)
3/8 IN.	9-13/16 (249)	5-1/8 (130)	3-5/8 (92)
1/2 IN.	9-15/16 (252)	5-1/8 (130)	3-5/32 (80)
3/4 IN.	9-15/16 (252)	5-1/8 (130)	3-5/32 (80)

C4671A

Valve Type: Unitary
Body Pattern: Three-way
Body Pressure: 250 psi (1724 kPa)
Air Connections: 1/8 in. NPT
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 Actuator Temperature: 160 F (71 C)
Maximum Diaphragm Pressure: 25 psi (172 kPa)

Accessories:

312817Y-Actuator assembly for VP522B1011 and VP522B1029

Replacement Parts:

- 312760-MP953A,C,E (5 in. diameter) regular temperature Neoprene diaphragm - new style
- 312817S-Actuator for VP522A1039, VP522A1047, VP522A1237
- 312817W-Actuator for VP522B1003
- 312817Y-Actuator assembly for VP522B1011 and VP522B1029
- 313824A-Rebuild kit, include Stem and Disc holder, button with screw, packing and instruction, VP522A1005
- 314459A-Rebuild kit, include Stem and Disc holder, button with screw, packing and instruction, VP522A1039
- 314459B-Rebuild kit, includes stem and disc holder, Button with screw, packing and instructions, VP522A1047
- 315407A-Rebuild kit, include Stem and Disc holder, button with screw, packing and instruction for the VP522B1003

Product Number	End Connection Size		Capacity		Close-off Ratings at Branch Line Pressure	Valve Action	Spring Range	
	(inch)	(mm)	(Cv)	(Kv)			(psi)	(kPa)
VP522A1005/U	O.D.: 1/2 in.; Nominal: 3/8 in.	O.D.: 12.7 mm; Nominal: 9.5 mm	Port A: 1.5 Cv, Port B: 1.5 Cv	Port A: 1.3 Kv, Port B: 1.3 Kv	50 psid at 13 psi	Proportional/ Sequencing; Mixing	3 psi to 11.5 psi	21 kPa to 79 kPa
VP522A1039/U	O.D.: 5/8 in.; Nominal: 1/2 in.	O.D.: 15.9 mm; Nominal: 12.7 mm	Port A: 2.5 Cv, Port B: 1.6 Cv	Port A: 2.2 Kv, Port B: 1.4 Kv	50 psid at 13 psi	Proportional/ Sequencing; Mixing	2 psi to 13 psi	14 kPa to 90 kPa
VP522A1047/U	O.D.: 7/8 in.; Nominal: 3/4 in.	O.D.: 22.2 mm; Nominal: 19.1 mm	Port A: 4 Cv, Port B: 2.5 Cv	Port A: 3.5 Kv, Port B: 2.2 Kv	45 psid at 13 psi	Proportional/ Sequencing; Mixing	2 psi to 13 psi	14 kPa to 90 kPa
VP522B1003/U	O.D.: 1/2 in.; Nominal: 3/8 in.	O.D.: 12.7 mm; Nominal: 9.5 mm	Port A: 1.5 Cv, Port B: 1.5 Cv	Port A: 1.3 Kv, Port B: 1.3 Kv	15 psid at 13 psi	Diverting/Sequencing	Adjustable	
VP522B1011/U	O.D.: 5/8 in.; Nominal: 1/2 in.	O.D.: 15.9 mm; Nominal: 12.7 mm	Port A: 2.5 Cv, Port B: 2.5 Cv	Port A: 2.2 Kv, Port B: 2.2 Kv	15 psid at 13 psi	Diverting/Sequencing	Adjustable	
VP522B1029/U	O.D.: 7/8 in.; Nominal: 3/4 in.	O.D.: 22.2 mm; Nominal: 19.1 mm	Port A: 4 Cv, Port B: 3.5 Cv	Port A: 3.5 Kv, Port B: 3.0 Kv	15 psid at 13 psi	Diverting/Sequencing	Adjustable	