

Pneumatic Valves

VP525C Pneumatic Radiator Valve



Normally-open, single-seated pneumatic radiator valve with straight through or angle body construction provides proportional control of two-pipe, hot water or steam systems. Replacement devices are available for Johnson, Powers, Robertshaw, Barber-Colman, and older Honeywell devices.

- Available in several capacities and spring ranges for various application requirements.
- Easily replaceable actuator assembly for convenience of service.
- Compact size for installation where space is limited.
- Can be repacked without shutting down system.

Valve Type: Unitary
Body Pattern: Two-way
Body Pressure: 150 psi (1034 kPa)
Air Connections: Push on for 1/4 in. O.D. plastic tubing
Valve Action: Proportional Normally Open
Controlled Medium: Steam; Water
Operating Humidity Range (% RH): 5 to 95% RH
Temperature Range: 40 F to 240 F (4 C to 116 C)
Maximum Safe Actuator Diaphragm Temperature: 230 F (110 C)
Maximum Diaphragm Pressure: 30 psi (205 kPa)

Accessories:

14003648-001-Vandalism Resistant Assembly, Cover assembly with 1/8 in NPT air Connection and push-in retainer to replace standard Cover
14004932-001-Pneumatic Valve Adapter (M6410/M7410 linkage and a green main spring to allow to retrofit an electric actuator)

Replacement Parts:

316027/0042-Green Spring, 2 to 5 psi
14001046-004-Cover fastener for VP525A,C; VP526A; VP527A; or VP531A,C
14003300-001-Repair Top & Insert for 7/8 in. OD, 2.5 Cv VP525A solder body

310208-White Packing

14002560-013-Repair stem assembly for 1/2 inch, 0.63 Cv VP525C or to Upgrade, 0.63 Cv VP525A
14002560-007-Repair stem assembly for 1/2 inch, 2.0 Cv VP525C or to Upgrade, 2.0 Cv VP525A
14002560-008-Repair stem assembly for 1/2 and 3/4 inch, 3.0 Cv VP525C or to Upgrade 1/2 and 3/4 inch, 3.0 Cv VP525A
14002560-009-Repair stem assembly for 3/4 inch, 5.0 Cv VP525C or to Upgrade, 5.0 Cv VP525A
14003299-001-Repair Top & Insert for 5/8 in. OD, 1.6 Cv VP525A solder body
14003300-001-Repair Top & Insert for 7/8 in. OD, 2.5 Cv VP525A solder body
14004897-001-Repair Top & Insert for 1/2 inch NPT, 0.63 Cv VP525C or to upgrade 1/2 NPT, 0.63 Cv VP525A
14004897-002-Repair Top & Insert for 1/2 inch NPT, 2.0 Cv VP525C or to upgrade 1/2 NPT, 2.0 Cv VP525A
14004897-003-Repair Top & Insert for 3/4 inch NPT, 3.0 Cv VP525C or to upgrade 3/4 NPT, 3.0 Cv VP525A
14004897-004-Repair Top & Insert for 3/4 inch NPT, 5.0 Cv VP525C or to upgrade 3/4 NPT, 5.0 Cv VP525A

Product Number	End Connection Size		Type of End Connection	Capacity		Close-off Ratings at Branch Line Pressure	Spring Range		Comments	Includes
	(inch)	(mm)		(Cv)	(Kv)		(psi)	(kPa)		
VP525C1008/U	1/2 in.	12.7 mm	NPT- Straight Male Union	0.63 Cv	0.54 Kv	150 psid (1034 kPa) at 20 psi (138 kPa)	3 psi to 10 psi	21 kPa to 69 kPa	Replacement for VP525A1408	2-5 psi spring is packed in box
VP525C1016/U	1/2 in.	12.7 mm	NPT- Straight Male Union	2 Cv	1.73 Kv	110 psid (759 kPa) at 20 psi (138 kPa)	3 psi to 10 psi	21 kPa to 69 kPa	Replacement for VP525A1077 and VP525A1416	2-5 psi spring is packed in box
VP525C1024/U	3/4 in.	19.1 mm	NPT- Straight Male Union	3 Cv	2.59 Kv	55 psid (379 kPa) at 20 psi (138 kPa)	3 psi to 10 psi	21 kPa to 69 kPa	Replacement for VP525A1150	2-5 psi spring is packed in box
VP525C1032/U	3/4 in.	19.1 mm	NPT- Straight Male Union	5 Cv	4.32 Kv	42 psid (290 kPa) at 20 psi (138 kPa)	3 psi to 10 psi	21 kPa to 69 kPa	Replacement for VP525A1192 and VP525A1200	2-5 psi spring is packed in box
VP525C1040/U	1/2 in.	12.7 mm	NPT- Angle Male union	2 Cv	1.73 Kv	110 psid (759kPa) at 20 psi (138 kPa)	3 psi to 10 psi	21 kPa to 69 kPa	Replacement for VP525A1085	2-5 psi spring is packed in box
VP525C1057/U	3/4 in.	19.1 mm	NPT- Angle Male union	3 Cv	2.59 Kv	55 psid (379 kPa) at 20 psi (138 kPa)	3 psi to 10 psi	21 kPa to 69 kPa	Replacement for VP525A1168	2-5 psi spring is packed in box
VP525C1065/U	3/4 in.	19.1 mm	NPT- Angle Male union	5 Cv	4.32 Kv	42 psid (290 kPa) at 20 psi (138 kPa)	3 psi to 10 psi	21 kPa to 69 kPa	Replacement for VP525A1218 and VP525A1226	2-5 psi spring is packed in box
VP525C1073/U	1/2 in.	12.7 mm	NPT- Straight Male Union	3 Cv	2.59 Kv	55 psid (379 kPa) at 20 psi (138 kPa)	3 psi to 10 psi	21 kPa to 69 kPa	Replacement for VP525A1101 and VP525A1119	2-5 psi spring is packed in box
VP525C1081/U	1/2 in.	12.7 mm	NPT- Angle Male union	3 Cv	2.59 Kv	55 psid (379 kPa) at 20 psi (138 kPa)	3 psi to 10 psi	21 kPa to 69 kPa	Replacement for VP525A1127 and VP525A1135	2-5 psi spring is packed in box