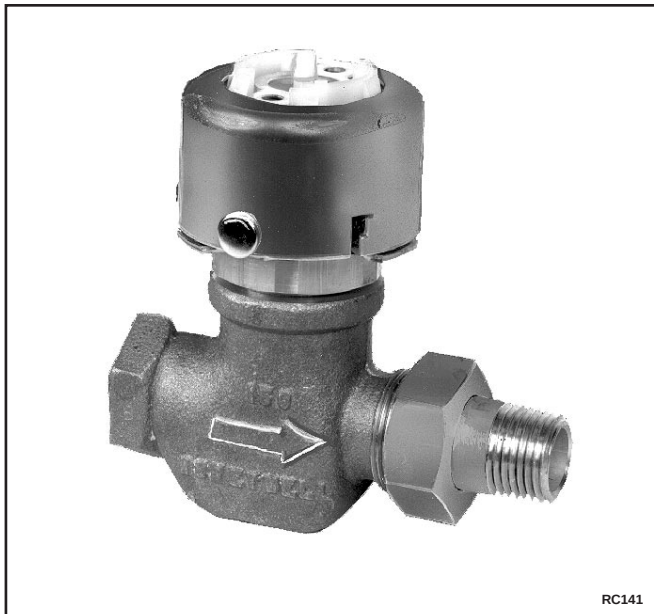


VP525A & C Pneumatic Radiator Valve

SPECIFICATION DATA



FEATURES

- 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
- Male union outlet for easy piping.

GENERAL

The VP525A & C Pneumatic Valves are normally-open, single-seated valves with straight through or angle body construction. These valves provide proportional control of two-pipe water or steam systems. The VP525A is intended for control of water at a maximum of 180F (82C). The VP525C is intended for hot water or steam at a maximum of 240F (116C).



SPECIFICATIONS

Models:

VP525 Models			
Model	Pattern	Size NPT	Cv
VP525A	Straight	1/2	0.63
		1/2	2.0
		1/2	2.0
		1/2	3.0
		1/2	3.0
		3/4	3.0
		3/4	5.0
		3/4	5.0
		3/4	5.0
		3/4	5.0
VP525C	Straight	1/2	0.63
		1/2	2.0
		3/4	3.0
		3/4	5.0
		3/4	5.0
		3/4	5.0
		3/4	5.0
		3/4	5.0
		3/4	5.0
		3/4	5.0
	Angle	1/2	2.0
		1/2	3.0
		1/2	3.0
		3/4	3.0
		3/4	5.0
		3/4	5.0
	Angle	1/2	2.0
		1/2	3.0
		3/4	3.0
		3/4	5.0
		3/4	5.0
		3/4	5.0

Construction:

Body: Cast Bronze
 Stem: Stainless steel, 3/16-in. (5-mm) diameter
 Packing: Teflon, spring loaded, self adjusting

Disc and Plug:

VP525A — High temperature rubber
 VP525C — Teflon and brass

End Connections:

NPT threaded inlet; male union outlet

Flow Characteristics:

Modified linear

Body Pressure Rating (Normal):

150 psi (1034 kPa) maximum

Spring Range PSI (kPa):

VP525A — 2-5 (14-34) and 3-10 (21-69)

VP525C — 3-10 (21-69)

Controlled Medium Temperature:

VP525A — 180F (82C) maximum

VP525C — 240F (116C) maximum

140 degrees F (60K) maximum allowable difference for
 alternating hot and cold water

Maximum Pressure Differential for Quiet Service and Normal Life of Disc and Seat:

VP525A & C — Water: 20 psi (138 kPa)

VP525C — Steam: 10 psi (69 kPa)

Actuator:

Rolling diaphragm type

Air Connection:

Integral, for 1/4-in. (6-mm) O.D. plastic tubing

Maximum Safe Air Pressure:

30 psi (207 kPa)

Maximum Safe Diaphragm Temperature:

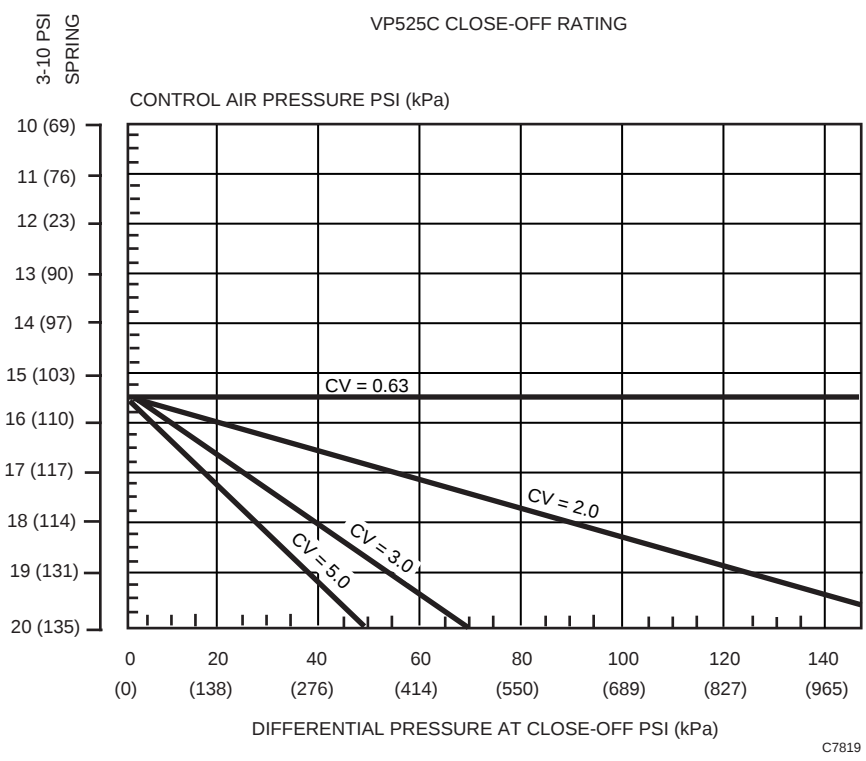
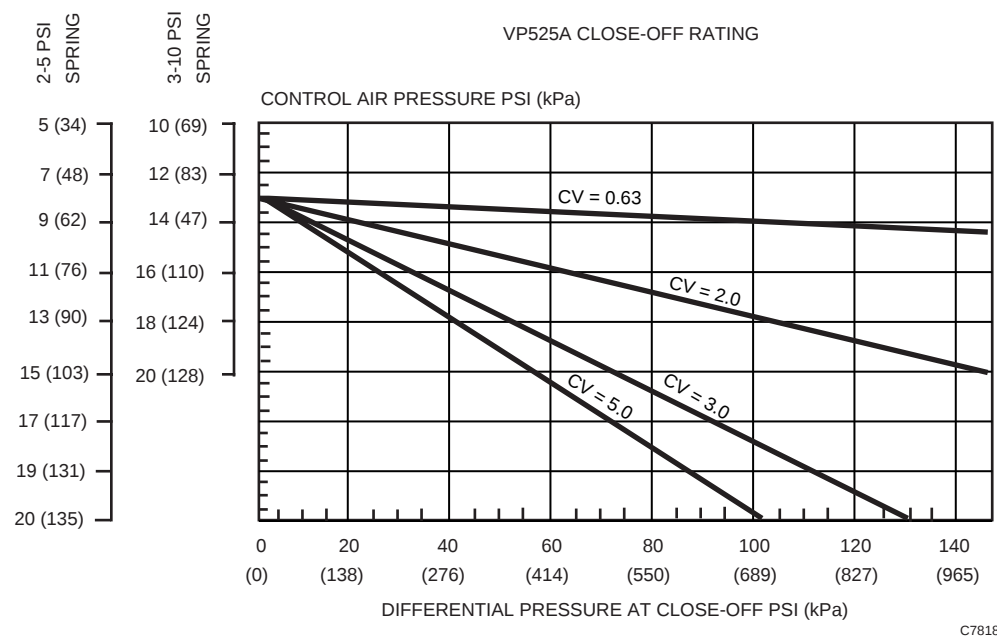
230F (110C)

Accessories:

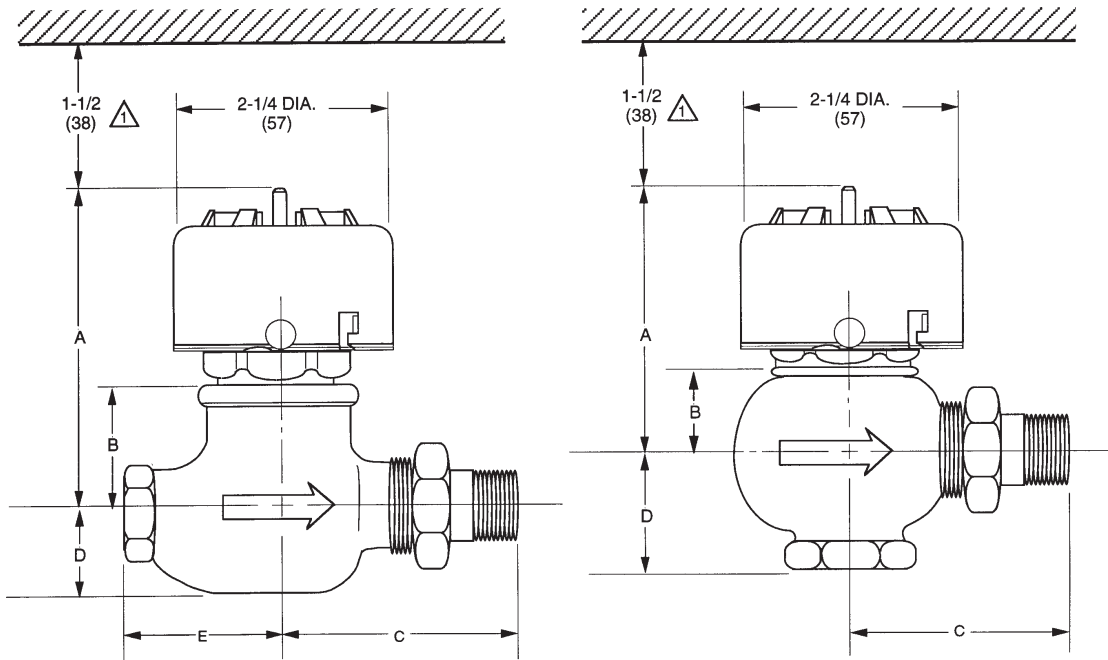
14001101-001 Position Indicator

14003648-001 Vandalism Resistant Assembly (cover
 assembly with 1/8-in NPT air connection and push-in
 retainer to replace standard cover)

Close-Off Ratings:



Dimensions in Inches (Millimeters):



⚠ 1-1/2 in. (38 mm) minimum clearance to remove actuator.
2-1/2 in. (63 mm) minimum clearance to facilitate straight-on tubing connection.
If clearance is less than 2-1/2 in. (63 mm), use an elbow.

BODY STYLE	SIZE NPT	A	B	C	D	E
STRAIGHT THROUGH, MALE UNION OUTLET	1/2	3-1/2 (90)	1-3/8 (35)	2-1/2 (63)	3/4 (19)	1-3/8 (35)
	3/4	3-1/2 (90)	1-3/8 (35)	3 (76)	1-1/8 (29)	1-5/8 (41)
ANGLE THROUGH, MALE UNION OUTLET	1/2	3-1/4 (83)	1 (25)	2-5/8 (66)	1-1/8 (29)	----
	1/2	3-1/8 (80)	1 (25)	3 (76)	1-1/4 (32)	----

C4658

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