

2-Way Pneumatic on-off & Control Valves with Multispring Diaphragm Actuator

DATA SHEET
PV-7912A/B-NC
PV-7922A/B-NO

(Normally Closed or Normally Open Design)

Field Reversible from Normally Closed to Normally Open, or Normally Open to Normally Closed Type.

DIN BODIES, NON IBR.

SPECIFICATIONS

Sizes	: 15 mm (½") to 150mm (6 ")
Unified Flanges	: As per ANSI CI 150/300 and PN 16.
Pressure Rating	: As per ANSI Cl. 300 and PN 25 .
Pressure temp. Rating	: As per ASME A-16.34.
Gland Packings	: Grafoil, CFT & PTFE
Design Standard	: As per ASME B16.34.
Face to Face	: As per DIN 3202. Part I Series F1.
Leakage	: As per ANSI-FCI-70-2 Cl. IV (0.01% of Kv) for Metal Seat Cl. VI(Bubble tight) for Soft Seat
Valve testing Standard	: EN-12266-1/ANSI-FCI-70-2.
Type of Plug	: On-Off, Linear or Equal Percentage.
Body Material	: WCB (DIN 1.0619 GS-C 25).
Seat Rings	: Screwed type replaceable.
Plug Material	: SS AISI 420/316.
Seat Ring Material	: SS AISI 420/316.
Spindle	: SS 316/410 Ground, Burnished and Hard Chromed.
Studs	: ASTM A193 Gr. B7.
Hex. Nuts	: ASTM A 194 Gr. 2H.
Body Packing	: Cr. Ni Foil coated with graphite.
Fluid	: Air, Water, Mild Corrosive Chemical, Vacuum (10 ⁻³ Torr)* , Steam, Gas, etc.
Accessories	: Filter Regulator Gauge (FRG), Air lock relay (ALR), Top Mounted Handwheel (TMH) Switches, Proximity Switches, Solenoid Valve (SVG) etc.

Note: * Against Special Order



ACTUATOR

Pneumatic diaphragm type Multi Spring Reversible.
Pressure chambers : Steel pressing to IS 513CRCD.
Diaphragms : Neoprene.
Temperature : -20°C to + 80°C
Springs : EN 47, Cr. V. Steel.
Max. Pres. Over : Upto 4 bar
Diaphragm Yoke Cum Bonnet : Investment casted WCB, CF8 & CF8M Castings.
Spindle : Guided through a PTFE bearing, leakage prevented by Synthetic seal, protected by rubber bellow.

SPECIFICATION TABLE

Pressure Table for Normally Close /Normally Open Refers to AVCON											
Actuator Model	Spring Range	Control Pressure	Sizes (mm)								
			15	20	25	40	50	65	80	100	150
			Port sizes (mm)								
MSD -200	A - 0.2 - 1.0 @	1.2	10	10	6	-	-	-	-	-	-
	B - 0.4 - 1.2 @	1.4	12	12	8	-	-	-	-	-	-
	C - 0.8 - 2.4 @	2.7	16	16	10	-	-	-	-	-	-
	D - 1.5 - 2.5 @	3.3	20	20	12	-	-	-	-	-	-
MSD -250	A - 0.2 - 1.0 @	1.2	-	-	-	6	-	-	-	-	-
	B - 0.4 - 1.2 @	1.4	-	-	-	8	6	-	-	-	-
	C - 0.8 - 2.4 @	2.7	-	-	-	10	8	-	-	-	-
	D - 1.7 - 2.7 @	3.3	-	-	-	12	10	-	-	-	-
MSD -400	A - 0.2 - 1.0 @	1.2	-	-	-	-	-	-	-	-	-
	B - 0.4 - 1.2 @	1.4	-	-	-	-	-	2.6	-	-	-
	C - 0.8 - 2.4 @	2.7	-	-	-	-	-	7.2	-	-	-
	D - 1.7 - 2.7 @	3.3	-	-	-	-	-	15.2	-	-	-
MSD -600	A - 0.2 - 1.0 @	1.2	-	-	-	-	-	-	1.5	-	-
	B - 0.4 - 1.2 @	1.4	-	-	-	-	-	-	4.5	2.7	-
	C - 0.8 - 2.4 @	2.7	-	-	-	-	-	-	10.6	6.6	-
	D - 1.7 - 2.7 @	3.3	-	-	-	-	-	-	19.4	10.6	2.7
	E - 2.1 - 3.0 @	4.5	-	-	-	-	-	-	-	-	6.6

Note: @VP(PTP),EVP(ETP)PLUS FRG needed to be installed on the valve.