

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

DATA SHEET
PV-7919A/B

(Normally Supplied in 'B' Port Closed Position)
Field Reversible from 'B' Port Closed to 'A' Port Closed Design.
DIN BODIES, NON IBR.

SPECIFICATIONS

Sizes	: 20mm (¾") to 150mm (6").
Unified Flanges	: As per ANSI Cl. 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 Packing	: 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 .
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	: SS316/410Ground, 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), Valve Positioner, Position Indicator (PTP), Position Indicator (ETP) etc.

Note: * Against Special Order

SPECIFICATION TABLE

Pressure Table for Normally 'B' Port Close										
Actuator Model	Spring Range	Control Pressure	Sizes (mm)							
			20	25	40	50	65	80	100	150
			Port sizes (mm)							
	Bar	Bar	22	25	40	50	65	80	100	150
MSD -200	A - 0.2 - 1.0 @	1.2	10	10	-	-	-	-	-	-
	B - 0.4 - 1.2 @	1.4	12	12	-	-	-	-	-	-
	C - 0.8 - 2.4 @	2.7	16	14	-	-	-	-	-	-
	D - 1.5 - 2.5 @	3.3	20	18	-	-	-	-	-	-
MSD -250	A - 0.2 - 1.0 @	1.2	-	-	10	10	-	-	-	-
	B - 0.4 - 1.2 @	1.4	-	-	12	12	-	-	-	-
	C - 0.8 - 2.4 @	2.7	-	-	14	14	-	-	-	-
	D - 1.7 - 2.7 @	3.3	-	-	18	18	-	-	-	-
MSD -400	A - 0.2 - 1.0 @	1.2	-	-	-	-	10	-	-	-
	B - 0.4 - 1.2 @	1.6	-	-	-	-	12	-	-	-
	C - 0.8 - 2.4 @	3.2	-	-	-	-	14	-	-	-
	D - 1.7 - 2.7 @	4.5	-	-	-	-	18	-	-	-
MSD -600	A - 0.2 - 1.0 @	1.2	-	-	-	-	-	-	-	-
	B - 0.4 - 1.2 @	1.6	-	-	-	-	-	-	-	-
	C - 0.8 - 2.4 @	3.2	-	-	-	-	-	10	8	-
	D - 1.7 - 2.7 @	4.5	-	-	-	-	-	12	10	2.7
	E - 2.1 - 3.0 @	5.1	-	-	-	-	-	14	12	6.6
	F - 2.4 - 3.6 @	6.0	-	-	-	-	-	18	14	10.6

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



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.