

2/2 Way Pneumatic Single & Double Acting Operated Angle Type On/Off Control Valve

Pneutork offers 2/2 way Single acting and Double acting type pneumatic actuator operated investment casting angle type control valve screwed end / flanged end.

Size Range · 1/2" to 4" (15MM TO 100MM)

Valve Specification

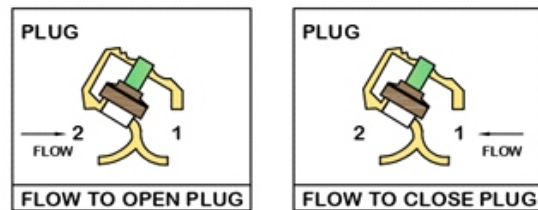
Body test Pressure	24 bar maximum
Working Pressure	10 bar
Working Temperature	On steam - continuous 155OC, Intermitted 180Oc with teflon seating, Buna nitrile 80°C, EPDM 120°C, Viton 220°C
Leakage	As per ANSI B16, 16.104 leakage class VI, shut off tight / Bubble Tight.

Actuator Specification

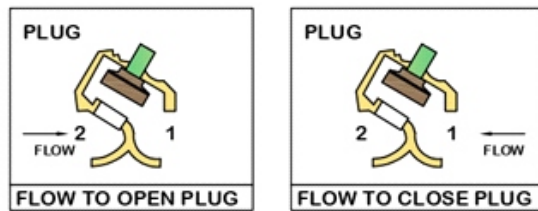
Port Connection	1/4" BSP (NPT on Request)
Operating Pressure	4.5 to 7 bar (1/2" to 2"), 5 to 7 Bar (2.1/2" to 4")
Operating Cycles	350 to 650 Cycles /Hr.
Normally close	Energized to Open
Normally Open	Energized to Close



POSITION IN NORMALLY OPEN VALVE



POSITION IN NORMALLY OPEN VALVE



No.	Description	Material
1	Body	CF8/CF8M/CF3M
2	Bonnet	CF8/CF8M/CF3M
3	Flange	Aluminium Alloy/CF8/CF8M
4	Cap	S. S. 304 / S. S. 316
5	Piston Flat Washer	M.S.
6	Piston V Seal	High Nitrile / Silicon
7	Piston Cap Washer	M. S.
8	Piston Spring (RH & LH)	Spring Steel
9	Piston Indicator	Nylon
10	Piston Indicator Guide & Nut	Nylon
11	Lock Nut for Flange	MS.
12	Lock Nut (Plug)	S. S. 304 / S. S. 316
13	Plug Washer	PTFE/CFE
14	Plug - Shaft	S. S. 304 / S. S. 316
15	O Ring (6x1.5)	High Nitrile
16	O Ring for Flange	High Nitrile
17	Teflon for Body (Sealing Gasket)	PTFE
18	Piston Cap Hex Bolt & Spring washer	S. S. 304 / S. S. 316

Technical Specification Table

Valve Size		Orifice MM	Max. Oper. Press. Flow to Close Bar	Max. Oper. Press. Flow to Open Bar	Flow Factor kV M3/Hr	Actuator Bore MM	Air Consumption Lit./Cycles.
MM	Inch						
15	1/2"	16	16	16	4.2	50	0.155
20	3/4"	16	16	16	5.5	50	0.155
25	1"	23	16	16	13.5	70	0.161
32	1.1/4"	31	15	15	31.6	70	0.172
40	1.1/2"	34	15	15	31.9	70	0.172
50	2"	45	14	16	54.5	85	0.184
65	2.1/2"	62	14	16	54.5	100	0.184
80	3"	75	10	10	105	120	0.735

Dimension in mm

Valve Size	L S/E	L1	Port	ØD	b	Øg	F	ØJ	N	PCD
1/2" (15MM)	65	107.9	12.5	90	9	34.9	2	15.9	4	60.3
3/4" (20MM)	75	117.3	17	100	8.9	42.9	2	15.9	4	69.9
1" (25MM)	90	127	24	110	9.6	50.8	2	15.9	4	74.4
1.1/4" (32MM)	102	139.7	30	115	11.2	63.5	2	15.9	4	88.9
1.1/2" (40MM)	125	165.7	37	125	12.7	73	2	15.9	4	98.4
2" (50MM)	151	178	49	150	14.3	92.1	2	19.05	4	120.7
2.1/2" (65MM)		190.5	64	180	15.9	104.8	2	19.05	4	139.7
3" (80MM)		203.20	75	190	17.5	127	2	19.05	4	152.4

