

Pneumatic Actuator Operated Y- Type Control Valve

"Apollo" offers 2/2 Way Pneumatic Actuator Operated angle type Control Valve normally close & normally open type PN 16.



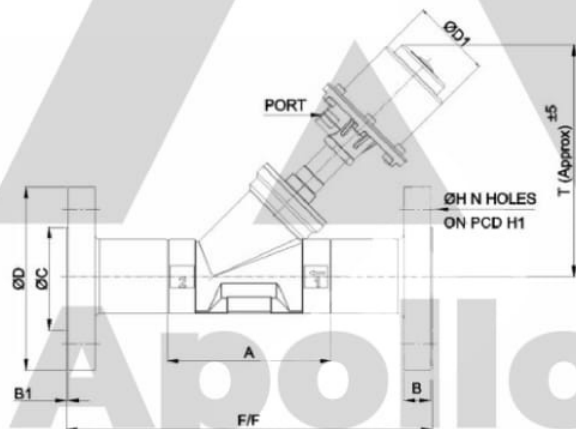
Size Range : 1/2" to 3"

Actuator

Body	SS 304 Pressed
Cover Flange	ASTM A351 Gr. CF8 (SS 304) Investment Die-Cast
Spring	Spring Steel (IS 4454 Gr. III)
Port Connection	1/4" BSP (NPT on request)
Operating Pressure	3.5 to 7 Bar
Position Indicator	Nylon
Operating Cycles	350 to 650 Cycles / Hr
Media	Dry Lubricated Air/Inert Gases Asten Moisture Separators are advised to use in line

Valve

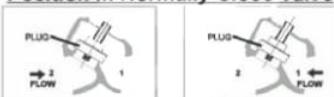
Size	1/2" to 3" Screwed / Flange
Body	ASTM A351 Gr. CF8 / CF8M / CF3M
Steam Packing	PTFE upto 180°C, Self-compensating (Spring Loaded)
Trim / Spindle	Stainless Steel 304/316/316L
Seat	Soft Seat (PTFE)
Gland Packing	Teflon 'V' seals, backed by graphite wiper seal (Self Compensating)
Body Test Pressure	24 Bar Maximum
End Connections	Female Screwed to BSP or NPT / Flange / Triclover
Working Fluid Press	Refer to table
Leakage	Drop tight / bubble tight, class IV ANSI B 16, 104, 1976
Operating Temp.	On steam - Continues 155°C, Intermittent 180°C Maximum (High Temp. above 180°C - On Request)
Media	Air, Water, Oil, Gas, Steam & Chemical



Technical Specification Table

Model	Valve Size	Orifice MM	Inlet Position	Max.Op. Press Low to Close Bar	Max.Op. Press Low to Open Bar	Flow Factor M3/hr	Air Consumption Ltr/Cycle
AYCV - 15	1/2"	16	N/C	16	16	4.2	0.155
AYCV - 15	1/2"	16	N/O	16	16	4.2	0.155
AYCV - 20	3/4"	16	N/C	16	16	5.5	0.155
AYCV - 20	3/4"	16	N/O	16	16	5.5	0.155
AYCV - 25	1"	23	N/C	16	16	13.5	0.161
AYCV - 25	1"	23	N/O	16	16	13.5	0.161
AYCV - 40	1.1/2"	34	N/C	15	15	31.9	0.172
AYCV - 40	1.1/2"	34	N/O	10	10	31.9	0.172
AYCV - 50	2"	45	N/C	14	16	54.5	0.184
AYCV - 50	2"	45	N/O	16	12	54.5	0.184
AYCV - 65	2.1/2"	62	N/C	14	16	54.5	0.184
AYCV - 65	2.1/2"	62	N/O	16	12	54.5	0.184
AYCV - 80	3"	75	N/C	10	10	105	0.735
AYCV - 80	3"	75	N/O	10	10	105	0.735

Position in Normally Close Valve



Position in Normally Open Valve



Dimensions :

SIZE		A	ACT.	ØD1	F/F	ØC	ØD	B	B1	H	H1	N	T	PORT	Approx Weight SCREW	Approx Weight FLANGE
MM	IN.	SCREW	BORE	FLANGE												
15	1/2"	68	70	73	130	38	90	9.5	1.5	16	60	4	155	1/4" BSP	1.450	2.100
20	3/4"	75	70	73	150	43	98.5	10.5	1.5	16	70	4	160	1/4" BSP	1.450	2.300
25	1"	88	70	73	160	51	108	11	1.5	16	79.5	4	170	1/4" BSP	1.600	2.500
40	1.1/2"	125	70	73	189	73	125	11.5	1.5	16	98.5	4	191	1/4" BSP	2.350	3.950
50	2"	151	70	73	230	92	152	15.5	1.5	19	120	4	218	1/4" BSP	3.200	6.600
65	2.1/2"	195.5	120	124.5	216	104.8	178	15.9	1.5	19	139.7	4	230	1/4" BSP	-	-
80	3"	197	120	124.5	241.5	127	188	19	1.5	19	152.4	4	250	1/4" BSP	-	-

All Dimensions are in mm