

2/2 Way Pneumatic Cylinder Operated Angle Type On/Off "SRT / ALS" / Control Valves

"aira" offers 2/2way Pneumatic Cylinder Operated Investment Casting Control Valves

Features :

- > 'Y' Type Construction for ON/OFF application having self - cleaning features
- > Best choice for speedy and multiple operations
- > Due to Angle shape, easy to mount at congested place.
- > Due to Angle seated body, Insensitive to the contaminated fluids.
- > Full flow with negligible pressure drop.

Types: 1. Normally Close (**Energised To Open**) 2. Normally Open (**Energised To Close**)

Size Range : 1/4" To 4" Screwed / Flanged / Triclover

Actuator

Technical Specifications :

Body	S/S 304 Pressed / Aluminium Die-Cast
Cover Flange	Aluminium Pressure Die-Cast
Spring	Spring Steel (IS 4454 Gr II)
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 Hydint Moisture Separators are advised to use in line



Valve

Size	1/4" To 4" Screwed / Flanged / Triclover
Body	ASTM A 351 Gr. CF8 / CF8M / CF3M
Stem packing	PTFE upto 180°C, Self-compensating (spring loaded)
Trim / Spindle	Stainless Steel 304/316 / 316L
Seat	Soft seat (Optional EPDM, Buna Nitrile, Viton, PTFE)
Gland Packing	Teflon 'V' seals, backed by graphite wiper seal [self compensating]
Body Test Pressure	24 Bar Maximum
Working Fluid Press	Refer to table
Leakage	Drop tight / bubble tight, class IV ANSI B 16.104, 1976
Operating Temp.	OnSteam - Continuous 155 °C, Intermittent 180 °C Maximum (High Temp. above 180°C - On Request)

Accessories :

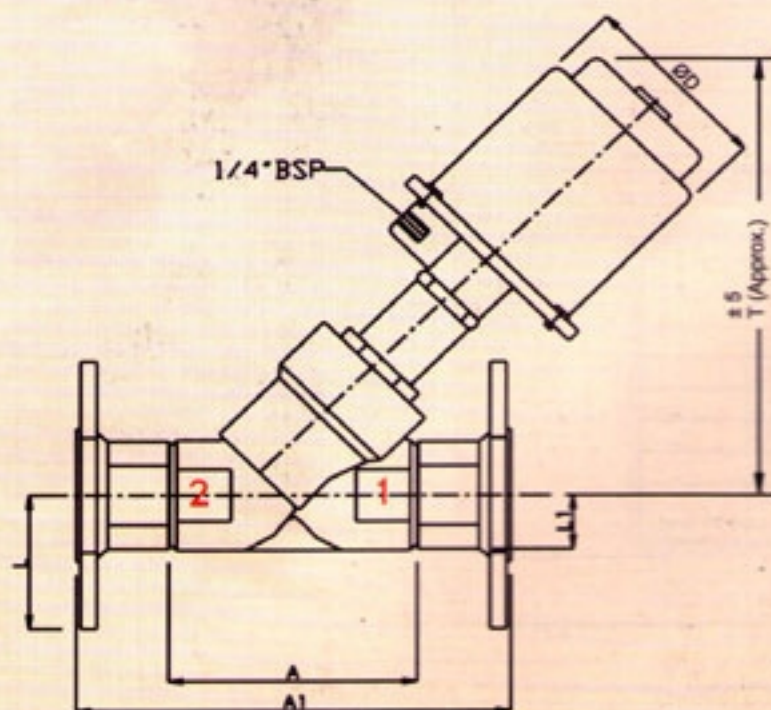
3/2 Way Solenoid Valve, Pilot Valve, on/off limit switch, Filter Regulator, Moisture Separator, Quick Exhaust Valve are available on request.

Technical Specification Table

Size Inch	Valve Model	Orifice mm	Inlet Position	Max. Op. Press Flow To Close Bar	Max. Op. Press Flow To Open Bar	Flow Factor Kv M3/hr	Air Consumption Lit./Cycle
1/4"	SRT/ALS-15	16	N/C	16	16	4.2	0.155
1/2"	SRT/ALS-15	16	N/O	16	16	4.2	0.155
3/4"	SRT/ALS-20	16	N/C	16	16	5.5	0.155
	SRT/ALS-20	16	N/O	16	16	5.5	0.155
1"	SRT/ALS-25	23	N/C	16	16	13.5	0.161
	SRT/ALS-25	23	N/O	16	16	13.5	0.161
1 1/4"	SRT/ALS-32	31	N/C	15	15	31.9	0.172
	SRT/ALS-32	31	N/O	10	10	31.9	0.172
1 1/2"	SRT/ALS-40	34	N/C	15	15	31.9	0.172
	SRT/ALS-40	34	N/O	10	10	31.9	0.172
2"	SRT/ALS-50	45	N/C	14	16	54.5	0.184
	SRT/ALS-50	45	N/O	16	12	54.5	0.184
2 1/2"	SRT/ALS-65	62	N/C	14	16	54.5	0.184
	SRT/ALS-65	62	N/O	16	12	54.5	0.184
3"	SRT/ALS-80	75	N/C	10	10	105	0.735
	SRT/ALS-80	75	N/O	10	10	105	0.735
4"	SRT/ALS-100	95	N/C	-	-	-	-
	SRT/ALS-100	95	N/O	-	-	-	-

For Any Different Technical Requirement - Available On Request

2/2 Way Pneumatic Cylinder Operated Angle Type On/Off "SRT / AVCD" Control Valve

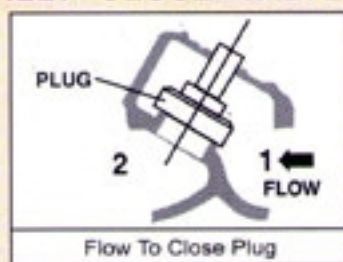
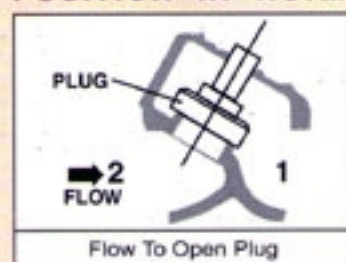


Dimensions :

(All dimensions are in MM)

Size		Valve Model	A	A1	Act. Bore	L	L1	T (Approx.)	ØD	Weight (Approx.)	
MM	Inch		Screwed	Flanged		Flanged	Screwed	Screwed		S/E	F/E
6	1/4	SRV/ALF - 15	64	130	50	44.45	14	155	52.5	-	-
15	1/2	SRV/ALF - 15	64	130	50	44.45	14	155	52.5	1.040	1.760
20	3/4	SRV/ALF - 20	75	150	50	49.27	16.5	160	52.5	1.180	1.960
25	1	SRV/ALF - 25	91	160	70	53.97	20	170	73	1.840	3.240
32	1 1/4	SRV/ALF - 32	102	188	70	58.67	24.25	177	73	2.720	5.000
40	1 1/2	SRV/ALF - 35	118	188	70	63.50	27.5	185	73	2.520	4.600
50	2	SRV/ALF - 50	151	230	70	76.20	34.5	195	73	3.380	6.240
65	2 1/2	SRV/ALF - 65	195.5	216	100	88.90	42.25	250	104.5	6.760	12.880
80	3	SRV/ALF - 80	198	241.5	120	95.25	49	288	124.5	8.600	15.160
100	4	SRV/ALF - 100	314	292	120	114.30	65.25	295	124.5	13.740	-

POSITION IN NORMALLY CLOSE VALVE



POSITION IN NORMALLY OPEN VALVE

