

# 2 - WAY ANGLE TYPE VALVES WITH PNEUMATIC ACTUATOR NORMALLY CLOSED / OPEN OPERATION FOR-AIR, WATER, GAS, OIL AND STEAM APPLICATION

<b>FLOCON</b>		
FCY - 204	[ 1/2" ]	BSP (F) ]
FCY - 206	[ 3/4" ]	BSP (F) ]
FCY - 208	[ 1" ]	BSP (F) ]
FCY - 2010	[ 1 1/2" ]	BSP (F) ]
FCY - 2012	[ 2" ]	BSP (F) ]

**FLOCON** 2/2-Way direct operated angle type valves with Pneumatic Actuator  
**SPECIFICATION :**

**OPERATION :**

- A) Normally Closed - In normal position valve is closed by the spring action and the fluid pressure. When the actuator is pressurised, the piston and the plug is lifted up and the valve is open.
- B) Normally Open - In normal position valve is open by the spring action and the fluid pressure. When the actuator is pressurised, the piston and the plug is lowered down and the valve is closed.

**SIZE AND CONNECTION** - 1/2" BSP (F) / NPT (F) to 2" BSP (F) / NPT (F)  
**PRESSURE & TEMP. RATING** - as per ANSI class 300.

**CONSTRUCTION** - Body and Bonnet investment casted, ASTM 351 CF8 (SS304)/CF8M (SS 16)

**SEALING** - Soft seated buna nitrile as STD. Optional - Viton, Teflon for max. operating fluid temp. up to 180°C.

**LEAKAGE** - Better than class IV bubble tight, Tight shut-off class IV in teflon sealing as per ANSI B 16. 104, 1976.

**STEM AND TRIM** - SS 304 / SS 316

**GLAND PACKING** - Self adjusted, spring loaded teflon v-seals and graphite wiper seals.

**CHARACTERISTICS** - On-Off, Normally closed, Normally open.

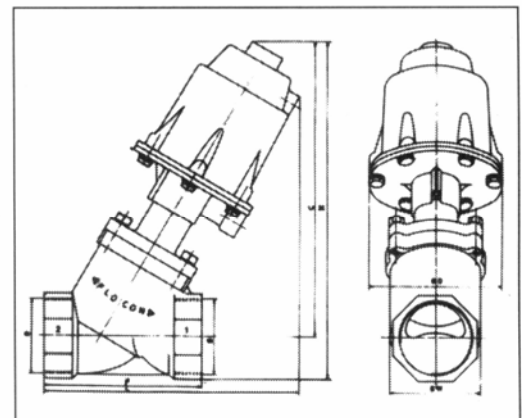
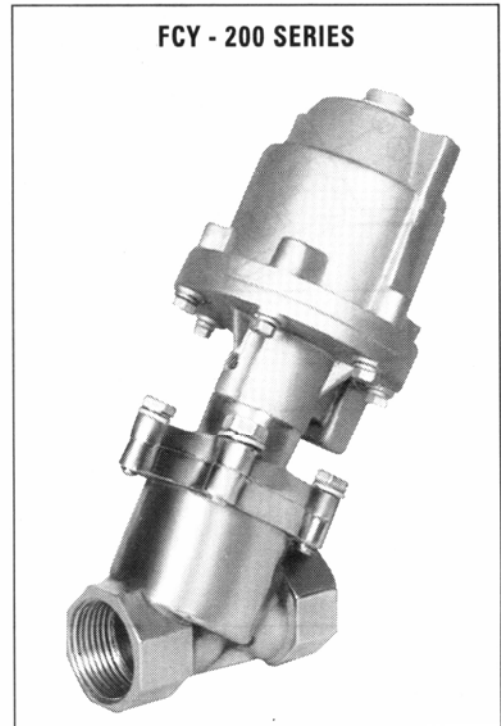
**ACTUATOR** - Spring return type Pneumatic cylinder.

**BODY AND FLANGE** - Aluminium - Silicon Alloy solution treated.

**ACTUATOR SPRING** - Spring Steel duly plated.

**ACTUATOR SIGNAL PRESS** - 2.5 to 6 kg/cm<sup>2</sup>

- ACCESSORIES** - For main Valve
- 1) Non-return valve
  - 2) Strainer
  - 3) Air lock relay
  - 4) Solenoid Valve
  - 5) Proximity Switch



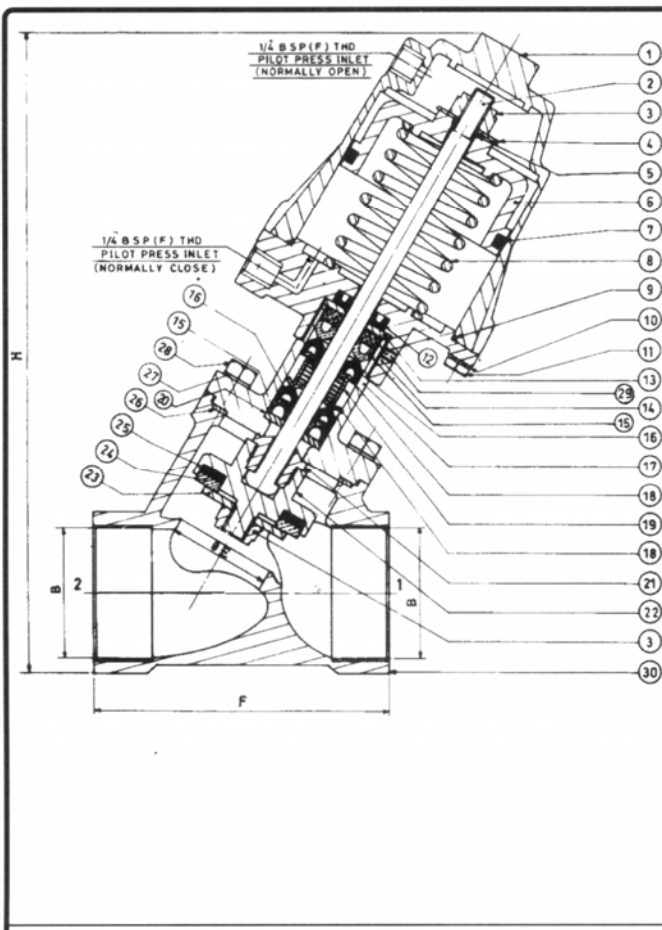
VALVE TYPE	PIPE - SIZE (INCH)	ORIFIC - SIZE INCH	CV	SAFE-WORKING PRESSURE (KG/CM <sup>2</sup> )	WORKING PRESSURE (KG/CM <sup>2</sup> )	AIR CONSUMPTION (LITRES/CY)
FCY-204	1/2"	16	4	16	0-10	0.13
FCY-206	3/4"	16	4	16	0-10	0.13
FCY-208	1"	23	12	16	0-10	0.14
FCY-2010	1 1/2"	34	22.5	16	0-10	0.33
FCY-2012	2"	45	45	16	0-10	0.35

VALVE TYPE	SIZE (B) SIZE (F)	F MM	H MM	C MM	L MM	D MM	W MM	APPROX. WEIGHT (KG)
FCY-204	1/2"	70 <sup>±2</sup>	182 <sup>±2</sup>	165 <sup>±2</sup>	126 <sup>±2</sup>	86	42	1.350
FCY-206	3/4"	70 <sup>±2</sup>	182 <sup>±2</sup>	165 <sup>±2</sup>	126 <sup>±2</sup>	86	42	1.250
FCY-208	1"	85 <sup>±2</sup>	197 <sup>±2</sup>	177 <sup>±2</sup>	136 <sup>±2</sup>	86	52	1.650
FCY-2010	1 1/2"	130 <sup>±2</sup>	278 <sup>±2</sup>	243 <sup>±2</sup>	200 <sup>±2</sup>	110	75	4.300
FCY-2012	2"	130 <sup>±2</sup>	278 <sup>±2</sup>	243 <sup>±2</sup>	200 <sup>±2</sup>	110	75	4.150

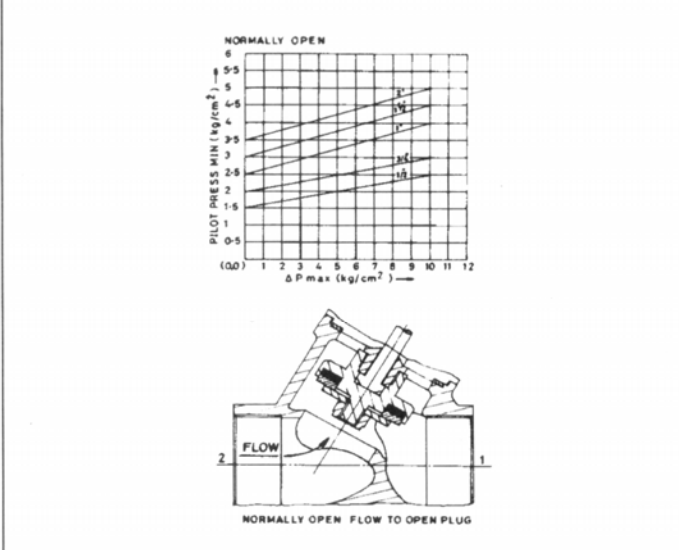
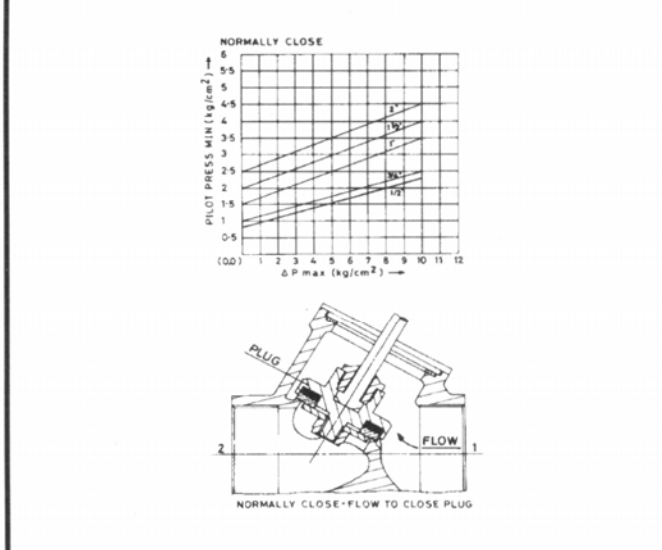


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SR. NO.	NAME OF THE PART	MATERIAL	PART NO.	QTY.
1.	CYLINDER	ALUMINIUM	FCY 200-1	1
2.	SPINDLE	SS304/SS316	FCY 200-2	1
3.	LOCK-NUT	SS304/SS316	FCY 200-3	2
4.	WASHER	SS304/SS316	FCY 200-4	1
5.	'O' RING	NEOPRENE	FCY 200-5	1
6.	PISTON	ALUMINIUM	FCY 200-6	1
7.	PISTON RING	NEOPRENE	FCY 200-7	1
8.	SPRING	SPRING STEEL	FCY 200-8	1
9.	SEALING RING	NEOPRENE	FCY 200-9	1
10.	SPRING WASHER	C-STEEL	FCY 200-10	6
11.	CYLINDER BOLT	C-STEEL	FCY 200-11	6
12.	U-SEAL	NEOPRENE	FCY 200-12	1
13.	GLAND PACKING	ASBESTOS	FCY 200-13	1
14.	CYLINDER FLANGE	ALUMINIUM	FCY 200-14	1
15.	V-SEAL	PTFE	FCY 200-15	2
16.	WIPER SEAL	PTFE + C	FCY 200-16	2
17.	BONNET	SS304/SS316	FCY 200-17	1
18.	U-WASHER	SS304/SS316	FCY 200-18	2
19.	SPRING	SS304	FCY 200-19	1
20.	WASHER	SS304	FCY 200-20	1
21.	PLUG NUT	SS304/SS316	FCY 200-21	1
22.	PLUG	SS304/SS316	FCY 200-22	1
23.	WASHER	SS304/SS316	FCY 200-23	1
24.	ORIFICE SEAL	PTFE/NEOP/VITON	FCY 200-24	1
25.	WASHER	VITON/ NEOPRENE	FCY 200-25	1
26.	GASKET	PTFE/NEOP/VITIO	FCY 200-26	1
27.	WASHER	C. STEEL	FCY 200-27	4
28.	BOLT	C. STEEL	FCY 200-28	4
29.	GRUB SCREW	C.STEEL	FCY 200-29	1
30.	BODY	SS304/SS316	FCY 200-30	1



**MANUFACTURERS :**

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**WORKS :**

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Where the Quality goes in before the Name comes on.



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INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS	MUMBAI	IDEMI	IP-65 TEST REPORT
INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS	MUMBAI	IDEMI	IP-65/67 TEST REPORT
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