

2 Way Solenoid Valves

Low Pressure Service

Normally Closed and Normally Open Operation
For Air, Gas, Steam And Liquids. %" TO W BSP/NPT

FLOCON®

SERIES
FD 200

FLOCON valves are direct lift solenoid operated valves. They are available in forged brass bodies, having soft seating for tight shut off on low pressure services. They are mainly used for gas pilot control on industrial power boilers and low pressure air, gas control or gas fired ovens and furnaces. These valves are also used in vacuum holding, automatic dispensing and other low pressure applications.

IMPORTANT:

NO MINIMUM OPERATING PRESSURE REQUIRED.

SPECIFICATIONS:

OPERATION :

a) Normally Closed : Open when energised;
closed when de-energised.



b) Normally Open : Closed when energised;
open when de-energised.



VALVE :

- 1) Forged brass / SS Valve body
- 2) Resilient seating for tight shut off.
- 3) Pipe connections suitable for V_4 ", $\frac{3}{8}$ ", V_2 " and $\frac{3}{4}$ " BSP/NPT.
- 3) Operating pressure from 0 Kg/cm² to 1 kg/cm².

SOLENOID :

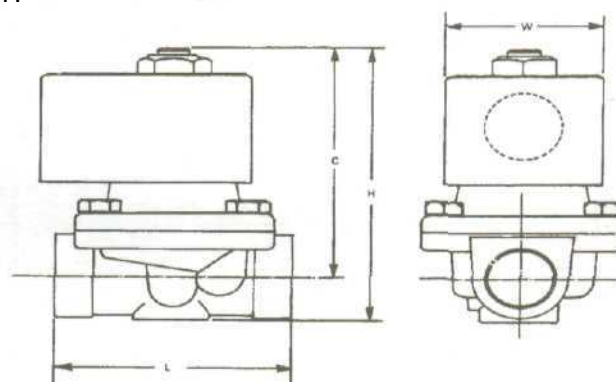
- 1) General purpose solenoid enclosure NEMA TYPE 1
- 2) All solenoid part in contact with fluid are made of 300 and 400 series stainless steel.
- 3) Continuous duty moulded coil.
- 4) Coil Voltages : 24, 48, 110, 220, 440 V A-C.
24, 48, 110 220 V.D-C.

Inrush VA60.

Holding VA 24
Watts 12.5

Ambient: 5°C to 50°C.

FREQUENCY OF OPERATION
650 Cycles per minute



TYPE	PIPE SIZE	L mm	W mm	C mm	H mm
FD202	1/4"	70	46	75	90
FD203	3/8"			75	90
FD204	1/2"			75	90
FD 206	W			80	98 j

FEATURES:

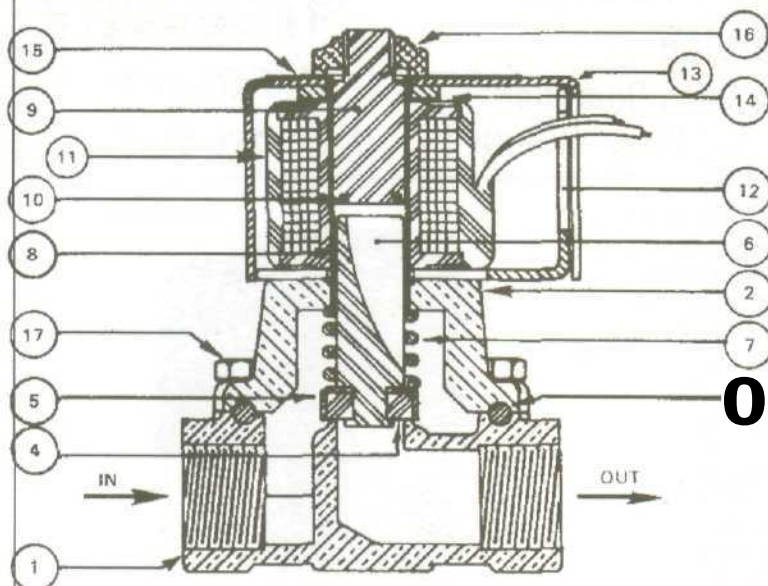
- Direct operated • No minimum operating pressure required.
- Packless • Forged brass body.- S. S. Valve Body.
- Continuous duty moulded coil * Complete tight shut off.
- Silent in operation • Solenoid capable of being turned 360°
- Can be mounted in any position without affecting performance
- Can be mounted directly on pipe • Compact size.
- **FLOCON** valves are made from quality materials and rigorously tested for leakage and performance. Each valve is subjected to twice the rated voltage plus 1,000 Volts at 50C/S for 60 seconds for Insulation Test.

- **4FUJQCQH** Valves are guaranteed for free replacement against any Manufacturing defect.

Valve Type	Pipe Size (inch)	Office Size (inch)	Maximum Operating Pressure Differential (in Kg/cm ²)				Safe Body Working Pressure (Kg/cm ²)	Maximum AC Fluid Temp. 1	Cv Flow Factor	Watt Rating		VA-Inrush	VA-Holding	Insulation	
			Air		Gas					Water Light Oil	AC				DC
			AC	DC	AC	DC									
FD202	1/4	5/16	1	0.25	1	0.25	20	95	1.5	12.5	13	60	24	B	
FD203	3/8	3/8	1	0.25	1	0.25	20	95	1.8	12.5	13	60	24	B	
FD204	1/2	7/16	1	0.5	1	0.5	20	95	2.8	12.5	13	60	24	B	
FD206	3/4	3/4	0.15	0.07	0.15	0.07	20	95	5	12.5	13	60	24	B	

FLOCON **PRECISION INSTRUMENT**
GO.

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E-mail: flocon@bom3.vsnl.net.in Website: www.floconvalves.com

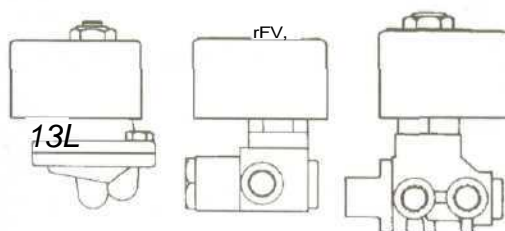


ORDERING INFORMATION :

We must have Type, Pipe size
Operating Pressure, Operating
Voltage and Media handled.

IMPORTANT:

Use Strainers with the valves. Use
the valves only at pressure and
voltage specified on the name plate.



NOTE:

*In line with their policy of continuous product
development, the manufacturer reserves the right
to change specifications without notice.*

SR. NO.	NAME OF THE PART	PART NO.	MATERIAL	QTY.
1.	VALVE BODY	FD 20 X 01	F. BRASS	1
2.	BONNET	FD 20 X 02	F. BRASS	1
3.	O'RING	FD 20 X 03	NEOPRENE	1
4.	SEAT	FD 20 X 04	NEOPRENE	1
5.	SEAT CAP	FD 20 X 05	BRASS	1
6.	PLUNGER	FD 20 X 06	S.S. 410	1
7.	PLUNGER SPRING	FD 20 X 07	S.S. 304	1
8.	TUBE	FD 20 X 08	S.S. 304	1
9.	STOPPER	FD 20 X 09	S.S. 410	1
10.	SHADING RING	FD 20 X 10	COPPER	1
11.	COIL	FD 20 X 11	ENAMELLED C. W.	1
12.	BASE PLATE	FD 20 X 12	C. R. C. A.	1
13.	TOP COIL HOUSING	FD 20 X 13	C. R. C. A.	1
14.	SPRING WASHER	FD 20 X 14	SP STEEL	1
15.	NAME PLATE	FD 20 X 15	ALUMINIUM	1
16.	TOP NUT	FD 20 X 16	ALUMINIUM	1
17.	SCREWS	FD 20 X 17	ALLOY STEEL	4

kill



ENGINEERS
INDIA LIMITED

IS 2145



AGENCY APPROVALS FOR <P>FD 20 X 01 VUAES PRKSIWV INSIHUMEST CO. - MIM-11

ENGINEERS INDIA LIMITED	NEW DELHI	EIL	SOLENOID VALVES
ELECTRONICS REGIONAL TEST LABORATORY	MLMBAI	ERTL	DAMP HEAT TEST REPORT
ELECTRONICS REGIONAL TEST LABORATORY	MUMBAI	ERTL	VIBRATION TEST REPORT
INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS	MUMBAI	[DEMI]	IP-65 TEST REPORT
INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS	MUMBAI	IOFMI	IP-65/67 TEST REPORT
CENTRAL MINING RESEARCH INSTITUTE	DHANBAD	CMRI	FLAME PROOF SOLENOID VALVE ENCLOSURE
CHIEF CONTROLLER OF EXPLOSIVES	NAGPIIR	CCE	FLAMEPROOF SOLENOID VALVE ENCLOSURE
BUREAU OF INDIAN STANDARDS	MLMBAI	BIS	FLAMEPROOF SOLENOID VALVE ENCLOSURE
DIRECTORS GENERAL FACTORY	MUMBAI	DGFASLI	FLAMEPROOF SOLENOID VALVE ENCLOSURE
ADVICE SERVICE & LABOUR INSTITUTE	MUMBAI	GENELEC	IP-55
GENELEC LIMITED	MUMBAI	GENELEC	IP-55

MANUFACTURERS:

**PRECISION
INSTRUMENTS
CO.**

WORKS:

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Where the Quality goes in before the Name comes on.