

# MINIATURE 2 - WAY SOLENOID VALVES

(NORMALLY CLOSED & NORMALLY OPEN)

BRASS, S. STEEL, ALUMINIUM BODY,

1/8", 1/4", 3/8" BSP / NPT CONNECTION

**FLOCON**

SERIES

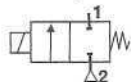
FDM 200

FDC 200

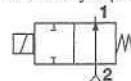
◀FLOCON▶ 2-way midjet type solenoid valves with a compact design for automatic control of Gas Air, Water & Steam and other corrosive media. These direct operated valves work from 0 pressure to their maximum rated pressure.

## SPECIFICATIONS :

Normally Closed : Normally Closed : Inlet & Outlet get connected when Solenoid is energised.



Normally Open : Normally Open : Inlet & Outlet get connected when Solenoid is De-energised.



FDC Series Valves are supplied only in normally closed configuration with flow control.

## VALVE :

- 1) Forged Brass, S. Steel 304 & 316 & Aluminium Body
- 2) Resilient Or Teflon Seating for tight shut - off
- 3) Pipe Connection - 1/8", 1/4" & 3/8 BSP/NPT connection

## SOLENOID :

- 1) General purpose solenoid enclosure : IP - 20 & IP - 40
- 2) Weather proof IP55
- 3) Water tight, IP66, IP67 & flame proof as per IS-2148 of 1981 for group I, II A & IIB
- 4) Continuous duty epoxy moulded coils
- 5) Class F & H Insulation
- 6) All Solenoid parts in contact with fluid are made of 300 & 400 series S. Steel

## COIL VOLTAGES :

24, 48, 110, 230, 440 V AC, 50 Hz

12, 24, 48, 110, 230 V DC

**Installation :** Mountable in any position.

## Features :

Direct operated  
Packless  
Tight Shutoff  
Can be mounted direct on pipe.



FDC 200



FDM 200

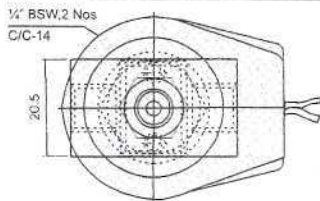
| VALVE SERIES | PIPE SIZE (INCH) | OFFICE SIZE (MM) | MAXIMUM OPERATING PRESSURE (KG/CM <sup>2</sup> ) |    |       |    |                     |    | SAFE BODY WORKING PRESSURE (Kg/cm <sup>2</sup> ) | MAXIMUM AC FLUID TEMP. °C. | Cv Flow Factor | Watt Rating |    | VA-Holding | VA-Inrush |
|--------------|------------------|------------------|--------------------------------------------------|----|-------|----|---------------------|----|--------------------------------------------------|----------------------------|----------------|-------------|----|------------|-----------|
|              |                  |                  | AIR GAS                                          |    | WATER |    | LIGHT HYDRAULIC OIL |    |                                                  |                            |                | AC          | DC |            |           |
|              |                  |                  | AC                                               | DC | AC    | DC | AC                  | DC | AC                                               | DC                         |                |             |    |            |           |
| FDM 201      | 1/8              | 1.2              | 70                                               | 70 | 70    | 70 | 70                  | 70 | 105                                              | 100                        | 0.09           | 17          | 18 | 23         | 70        |
| FDM 202      | 1/4              | 1.5              | 50                                               | 50 | 50    | 50 | 50                  | 50 | 75                                               | 100                        | 0.06           | 17          | 18 | 23         | 70        |
|              |                  | 2                | 25                                               | 25 | 25    | 25 | 25                  | 25 | 35                                               | 100                        | 0.15           | 17          | 18 | 23         | 70        |
| FDM 203      | 3/8              | 3                | 10                                               | 10 | 10    | 10 | 10                  | 10 | 35                                               | 100                        | 0.21           | 17          | 18 | 23         | 70        |
| FDC 202      | 1/4              | 2.7              | 10                                               | 10 | 10    | 10 | 10                  | 10 | 35                                               | 100                        | 0.18           | 17          | 18 | 23         | 70        |

Valves are made from quality materials and are 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.

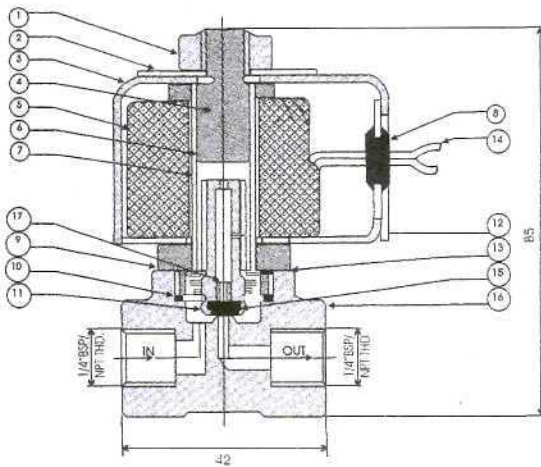
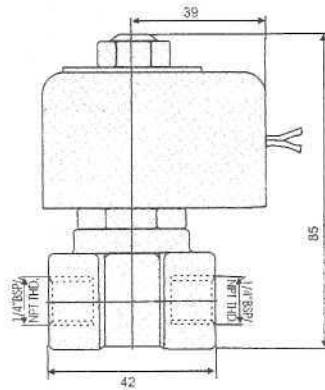
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INSTRUMENT

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124- A-Z INDUSTRIAL ESTATE, G. K. MARG, MUMBAI - 400 013. TEL. : 2492 6384 / 2492 4333 FAX : 2497 4299  
E-mail : flocon@bom3.vsnl.net.in Website : www.floconvalves.com

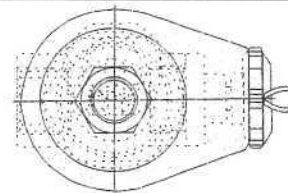


**FDM 200**

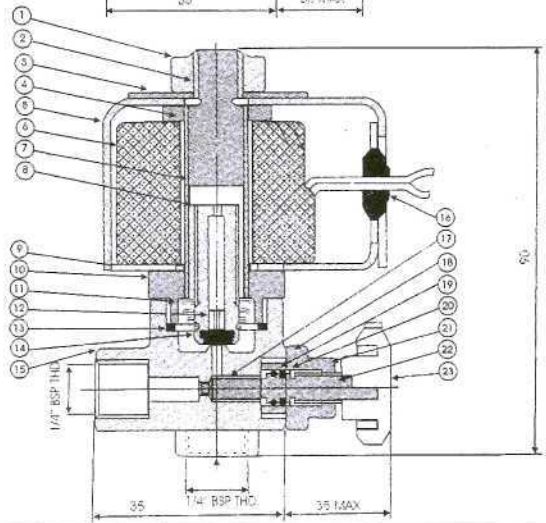
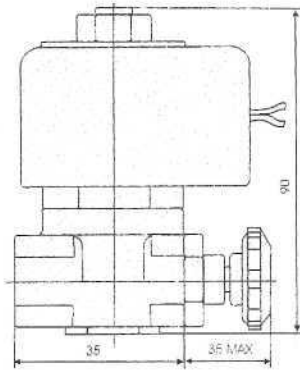


**FDM - 200 (ASSLY SECT & PARTS LIST)**

| SR. NO. | NAME OF PART   | MATERIAL          | PART NO.   | QTY. |
|---------|----------------|-------------------|------------|------|
| 1       | TOP NUT        | BRASS             | FDM - 2001 | 1    |
| 2       | NAME PLATE     | ALUMINIUM         | FDM - 2002 | 1    |
| 3       | COIL HOUSING   | C.R.C.A           | FDM - 2003 | 1    |
| 4       | STOPPER        | S.S. - 430        | FDM - 2004 | 1    |
| 5       | SOLENOID COIL  | ENML COPPER       | FDM - 2005 | 1    |
| 6       | SHADING COIL   | COPPER            | FDM - 2006 | 1    |
| 7       | TUBE           | S.S. 304          | FDM - 2007 | 1    |
| 8       | GROMMET        | NEOPRENE          | FDM - 2008 | 1    |
| 9       | TUBE NUT       | BRASS             | FDM - 2009 | 1    |
| 10      | GASKET         | NYLON / TEFLON    | FDM - 2010 | 1    |
| 11      | PLUNGER        | S.S. - 430        | FDM - 2011 | 1    |
| 12      | 'L' BRACKET    | C.R.C.A           | FDM - 2012 | 1    |
| 13      | PLUNGER SPRING | S. S. - 304       | FDM - 2013 | 1    |
| 14      | LEAD WIRE      | P.V.C. AUTO CABLE | FDM - 2014 | 1    |
| 15      | PLUNGER SEAT   | NEOP/VITON/TEFLON | FDM - 2015 | 1    |
| 16      | VALVE BODY     | BRASS             | FDM - 2016 | 1    |
| 17      | PLUNGER SLEEVE | BRASS             | FDM - 2017 | 1    |



**FDC 200**



**FDC - 200 (ASSLY SECT & PARTS LIST)**

| SR. NO. | NAME OF PART   | MATERIAL         | PART NO.   | QTY. |
|---------|----------------|------------------|------------|------|
| 1       | TOP NUT        | BRASS            | FDC - 2001 | 1    |
| 2       | STOPPER        | S.S. 304         | FDC - 2002 | 1    |
| 3       | NAME PLATE     | ALUMINIUM        | FDC - 2003 | 1    |
| 4       | TUBE           | S.S. 304 / 316   | FDC - 2004 | 1    |
| 5       | HOUSING        | C.R.C.A.         | FDC - 2005 | 1    |
| 6       | SOLENOID COIL  | ENML COPPER WIRE | FDC - 2006 | 1    |
| 7       | SHADING COIL   | COPPER           | FDC - 2007 | 1    |
| 8       | PLUNGER        | S.S. 430         | FDC - 2008 | 1    |
| 9       | 'L' BRACKET    | C.R.C.A.         | FDC - 2009 | 1    |
| 10      | TUBE NUT       | S.S. 304/316     | FDC - 2010 | 1    |
| 11      | PLUNGER SPRING | S.S. 304/316     | FDC - 2011 | 1    |
| 12      | PLUNGER SLEEVE | BRASS            | FDC - 2012 | 1    |
| 13      | GASKET         | TEFLON           | FDC - 2013 | 1    |
| 14      | PLUNGER SEAT   | VITON            | FDC - 2014 | 1    |
| 15      | VALVE BODY     | FORGED BRASS     | FDC - 2015 | 1    |
| 16      | GROMMET        | NEOPRENE         | FDC - 2016 | 1    |
| 17      | RIDER RING     | TEFLON           | FDC - 2017 | 1    |
| 18      | SEAL RING      | TEFLON           | FDC - 2018 | 1    |
| 19      | 'O' RING       | VITON            | FDC - 2019 | 1    |
| 20      | GUIDE RING     | TEFLOW           | FDC - 2020 | 1    |
| 21      | CONTROL NUT    | BRASS            | FDC - 2021 | 1    |
| 22      | CONTROL SCREW  | BRASS            | FDC - 2022 | 1    |
| 23      | KNOB           | ACETAL           | FDC - 2023 | 1    |

**MANUFACTURERS :**

**PRECISION  
INSTRUMENT  
CO.**

**WORKS :**

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**FLOCON®**

*Where the Quality goes in before the Name comes on.*