



■ *Jm Flos (Patent Pending)*

JM flow switches are innovative mechatronic flow detectors with an electrical output based on a unique design principle which offers very high reliability of operation in normal and even in the most challenging flow conditions having high viscosity, air bubbles, etc. Our flow switches are suited for oil, water and also for non-conductive liquids. The output of the flow switch can also be further given to the PLC , Control panel.

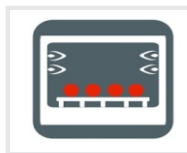
■ *Value to the User*

- Easy to maintain without dismantling the flow device from the pipe
- Field settable switch-point
- Built-in facility for setting two switch points in the flow device
- Fast response time
- Suitable for high temperature and pressure
- Adaptable to various liquids with wide range of viscosities (low & high)
- Resistant to solid particles (upto 0.2mm) and air bubbles

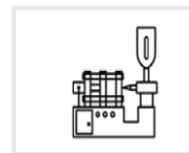
■ *Applications*



**Hydraulic
Power Pack**



**Industrial
Heating Furnace**



**Injection
Molding Machine**





FL050BL0020

Process Connection GX (Female Threads)	BSP G 1/2"
Flow Range (LPM)	5 - 25
SW Point Setting Range LPM	9 - 18
Dim. L1/L2/D1/F1/Y (mm)	100/15/36/30/20



FL075BL0050

Process Connection GX (Female Threads)	BSP G 3/4"
Flow Range (LPM)	15 - 50
SW Point Setting Range LPM	15 - 50
Dim. L1/L2/D1/F1/Y (mm)	100/15/42/36/20



FL100BL0150

Process Connection GX (Female Threads)	BSP G 1"
Flow Range (LPM)	30 - 150
SW Point Setting Range LPM	40 - 150
Dim. L1/L2/D1/F1/Y (mm)	135/15/50/41/25



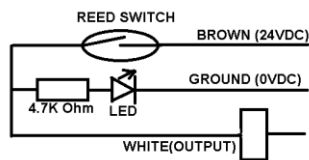
FL150BL0300

Process Connection GX (Female Threads)	BSP G-1/2"
Flow Range (LPM)	100 - 350
SW Point Setting Range LPM	120 - 300
Dim. L1/L2/D1/F1/Y (mm)	165/20/64/55/35

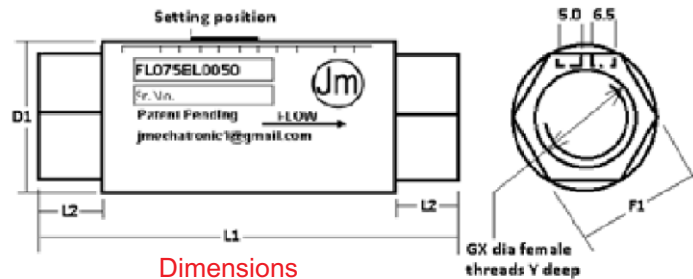
* Special Low Flow types FL050BL0020L (4 - 9 LPM), FL050BL0020LL (2.5 - 5 LPM) available on request

Common Specifications

Function	Flow Monitor
Medium	Liquids
Pressure Rating (Bar)	210
Operating Temperature (°C)	70
Switch point repeatability (%)	10%
Response time (Sec)	0.2
Setting of switch point	By positioning the sensor along the slot
Wetted Parts	Ss304, Brass
Switching Elements	Reed switches (6.5mm or 5mm wide); 2 nos slots provided for 2 reed switches, independently adjusted for 2 independent switch points.
Electrical Contact rating	10 to 70 VAC/DC, 500 mA Max.
Electrical Connection	3 wire, 2m cable built in with the sensor (BROWN +VDC, GREEN : 0VDC, WHITE: OUTPUT to Relay coil/ PLC INPUT)
Function Indicator	LED built in the sensor
Protection Class	IP65



Connection Diagram



Dimensions



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