



Description

Flow switch is a special electric device with a very simple design and of a small size. But despite of its simplicity, flow switch plays important role in the variety of different applications.

These devices are used with the purpose to protect a pump and when the flow of liquid through the specific line is needed to be monitored. Also, the alarms can be triggered with the help of them when it is necessary. Switches may be specific to a type of application.

PRODUCT CODE:FS-FP-ADF

Specifications:

Fluid	Liquids
Density / Sp. Gravity	Up to 2.95
Viscosity	Up to 20 cp
Design Temperature	Up to 160°
Design Pressure	Up to 17.5 Kg/cm ²
Range	15 to 1125 LPM of Water /Liquid
Line Size	25 NB to 150 NB
Available Materials	Brass/SS316
Connection	1" BSP (M)/1" NTP (M)
Enclosure	Flameproof Certified To Gas Group IIA,IIB / Weather Proof



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Feature

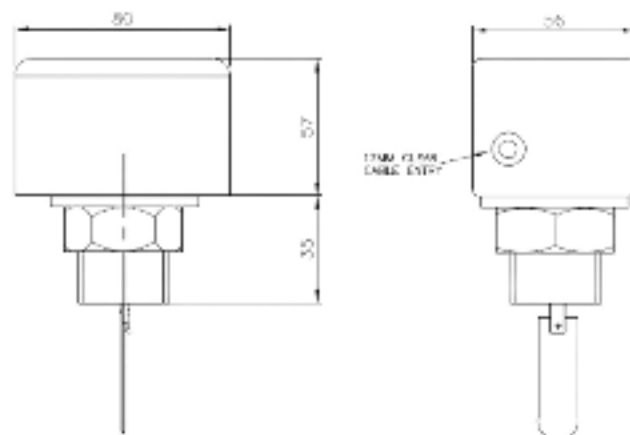
- Field adjustable set point adjustment screw allows for easy flow switch modification
- Custom application set points enabled by field adjustable vane layers
- ABS Plastic housing permits outdoor installation

Applications

- Pump protection
- Safety spray nozzle monitoring
- Cooling water or heat exchangers
- Oil well system testing
- Drain line flow
- Relief valve monitoring



Insulation Resistance	Over 100 ohm , DC500VM
Withstand Voltage	AC1500V/1min ute
Contact Point Life	1000K Cycle
Bellows Life	500K Cycle
Temperature of Fluid	Max 100°C (212°F)



Type	Voltage	Resistance load	Lamp Load	Motor Load
AC (Standard)	AC125 V	5A, 2.5A	44A 22A	5A 2.5A
	AC 250 V			
DC	DC 115 V	0.3A ,0.15A		
	DC 230V			

This table illustrates the flow control range obtained from experimental data. A variation of up to 10% can be expected, depending on operating conditions. Final adjustments should be made on site using a flow meter.

Classification		Flow Range LPM (M ³ /Hr)			
Pipe Diameter (Inches)	Paddle	Minimum LPM (M ³ /Hr)		Maximum LPM (M ³ /Hr)	
		Rising	falling	Rising	Falling
1	P-1	15 (0.9)	8 (0.48)	45 (2.7)	41 (2.46)
1 ¼	P-2	26 (1.56)	13 (0.78)	75 (4.5)	68 (4.08)
1 ½		29 (1.74)	20 (1.2)	105 (6.3)	94 (5.64)
2	P-3	34 (2.04)	17 (1.02)	120 (7.2)	105 (6.3)
2 ½		60 (3.6)	34 (2.04)	210 (12.6)	188 (11.28)
3		68 (4.08)	30 (1.8)	288 (17.28)	275 (16.5)
4	P-4	128 (7.68)	64 (3.84)	412 (24.72)	360 (21.6)
5		225 (13.5)	113 (6.78)	750 (45)	625 (37.5)
6		345 (20.7)	175 (10.5)	1125 (67.5)	975 (58.5)



INSTALLATION:

WIRING DIAGRAM

