



YPL INSTRUMENTS PVT. LTD.

FLOW SWITCH FLAPPER: YPL-FSF33

Introduction

YPL insertion type flapper (vane) operated magnetic flow switch are suitable for sensing flow of liquids like oil, chemical or in Water lines. These switches can either be supplied in weather Proof housing.

Principle of Operation

The flapper is magnetically linked to pivoted micro switch which is isolated from the process by a non magnetic enclosing tube. As the Flapper moves with an increase in flow, it drives attraction sleeve into the fields of a permanent magnet located outside the enclosing Tube which actuates the switch. As flow decrease, the flapper returns to a vertical position allowing the magnet and switch assembly to Return to the 'No flow' position.

Specification

Service	: condensate, oil, liquids
Process Connection	: 2" NPT
Process Connection Material	: carbon steel/SS304/SS316
Temperature	: 150°C
Operating Pressure	: Upto 25 kg/cm ²
Enclosure	: Weather proof
Enclosing Tube	: SS316
Attraction sleeve	: SS410
Flapper & linkage	: SS316
Body	: carbon steel/SS304/SS316
Electric Connection	: ½" NPT
Setting accuracy	: ±25mm

FLOW RATES (WATER SERVICE)

Pipe Line Size		Flow Increase(m ³ /h)		Flow Decrease(m ³ /h)	
Inches	mm	Min.	Max.	Min.	Max.
2.0	50	6.0	3.5	4.5	10.0
3.0	75	8.5	19.0	6.5	4.0
4.0	100	11.0	25.5	8.5	18.5
6.0	150	19.0	39.5	13.5	27.5
8.0	200	28.0	51.0	19.5	4.5



FIG. 1

REGD. OFF: PLOT NO. 86-B, NEW DLF INDUSTRIAL AREA FARIDABAD-121003 (HARYANA)

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