

BOMBAY INSTRUMENT MFG. CO.

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Mfrs. Of : manometers, Rotameters, Level Switches, Level Indicator, Pitot Tubes, Sight Glasses, Chorinators plant, etc.

IN LINE TEE TYPE PADDLE FLOW SWITCHES.



MODEL NO. : ILLR – ADJ -15

Paddle Type Flow Switches - Bellow Sealed

Bellow sealed paddle type flow switches has the adjustable flow settings are usually suitable for bigger line sizes and higher flow rates. Although it also can be used for lower line sizes like ½", ¾", 1" BSP by using suitable adapters. In bellow sealed flow switches the fluid is separated from electrical assembly by a Stainless steel bellow. Various enclosure options are available with this assembly such as General purpose, IP67, Explosion-proof to gas Group IIA/IIB & IIC.

BIMCO" offers Switches of Paddle On-Line type Flow Switches are suitable for low and medium flow lines of liquids and gases whereas paddle types are recommended for higher line sizes and flow ranges. Both are highly reliable with low maintenance.

Principle of Operation: Liquid or gas flow is sensed by the freely suspended paddle through the bellow-sealed design, Creating movement of SS Paddle against the spring force which is per-set at a determined flow rate. A precision spring ensures repeatability and high degree of operation. No magnetic parts are employed. The bellow is sealed to ensure positive isolation between switch assembly and process fluid. The bellow movement corresponding to flow allows to actuate the sensor switch of micro-switch of 1 NO + 1 NC contacts having current rating 5A15A at 240 V AC. Flow Switches are tested for maximum pressure of 18 Bar and suitable for temp. upto 200°C. Process connection for Paddle type is 1" (M) std. and for on-line type is ½", ¾" & 1" BSP(F) std.

Typical Application: These are used in low-flow alarm application, pump protection, Coolant flow systems, safety cut-offs , m/c.tool oil system, blending & lubrication system and for excessive and / or insufficient flow protection, water treatment and effluent treatment plants, fire sprinkler system, fuel transfer systems, etc.

• Specification •

ADJUSTABLE LOW FLOW SWITCH

Make & Stock No.	:	BIMCO, ILLR-ADJ-15
Flow Range	:	As per requirement
Adjustable Flow Set Point	:	Possible
Inlet / Outlet Ports	:	½" , ¾" & 1 BSP
Electrical Rating	:	AC 250V ; 10 Amp. Max.
Enclosure	:	WeatherProof , IP 65 , FlameProof
Mounting	:	Shall be suitable to mount in any position.
Medium	:	Water / Non Corrosive liquid/gas
Material of Construction	:	Housing – Al. casting / PP. IP-65
Other wetted parts	:	SS.304/SS.316/Brass
Liquid Temp.	:	0 – 120 deg. C

Manufactured & Marketed By :

M/S. Bombay Instrument Mfg. Co.

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