

A BILL Flame Proof Flow Switches

'A Bill' Flame Proof flow switch detects positively the flow in a pipe line when the same exceeds or declines beyond the pre-set limits.

APPLICATIONS:

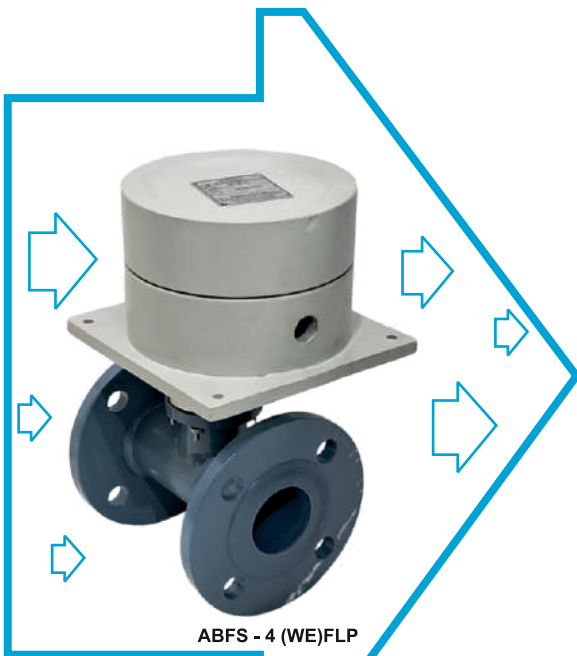
- * Audio-visual signal or alarm for critical flow.
- * Cooling systems for electronic tubes, expensive machine bearings, cutting tools, transformers, compressors and spot-welding machines.
- * Hot water space heating and chilled water systems.
- * Fire sprinkler systems, liquid transfer, water purification and treatment plants
- * Actuating/tripping of motors, fans, burners, pumps etc.
- * Blending and additive systems.

FEATURES:

- * Packless construction isolates the switch compartment from process fluids and pressure in the pipe line.
- * Actuation of switch is triggered off through break or make of permanent magnetic field eliminating mechanical connection between pressure compartment and switch compartment.
- * Different models for wider selection depending upon the process requirements.
- * Sizes: 15 mm (T) to 400mm (16")
- * Operating range: 100 C.C./min to 7000 LPM
- * Types of flow switches: Piston operated & convertible paddle.
- * Adjustable as well as fixed operating characteristics.
- * Choice of mechanisms operating micro switches, mercury switches, pneumatic switches and reed switches.
- * Provision of 1/2" cable gland entry and terminal block for easy electrical connection.
- * Wider range of materials of constructions to suit specific applications like corrosive fluids, high pressures or varying temperatures.
- * Technical expertise of almost five decades goes into design and manufacturing of 'A Bill' products.

Flame proof Enclosures certification details:

- * Atex certified Enclosure :
Ex II 2G Ex db II C T6 Gb.
- * CIMFR / PESO Certified Enclosure :
Ex db II C T6 Gb (Ex db IIIC T85 °C Db)
- * Enclosure Size:
130 mm Dia x 100mm Approximate.



ABFS - 4 (WE)FLP



ABFS - 4 (WE)FLP

**For the first time in India,
Complete range of flow
switches**



ABFS - 4 (WE)FLP



A • **BILL**
Engineers.

35, SETHI INDUSTRIAL ESTATE
SUREN ROAD, ANDHERI (E)
MUMBAI - 400 093



The piston models have outstanding operating characteristics. They take less than 1.55/0.5 LPM (0.40/0.15 GPM) respectively to trip the switch; then piston snaps wide open instantly to create free passage for flow through the switch body.

ABFS - 3

The convertible paddle model is designed for handling various process fluids including corrosive ones with varying conditions of pressures and temperatures. The characteristics are field adjustable and can be adapted to any pipe size by just changing the paddle.



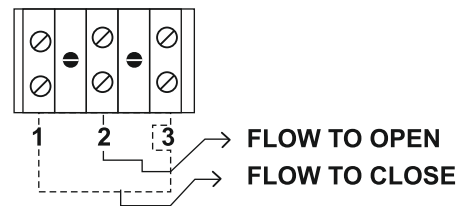
ABFS - 4 (0025)

Mode		ABFS-3	ABFS-4
Type		Piston Operated	Convertible paddle
Size		20 mm to 50mm	25 mm to 400 mm
End connections		3 to 2' BSP (F)	Screwed or flanged
Max. pressure (kg/cm ²)		7.5 (for brass) 75 (fors.s.)	7.5 (for brass) 75 (fors.s.)
Max Temp (°C)		150°C	150 °C
Operating Range (LPM)	Flow	4 to 100	20 to 7000
	No Flow	3 to 90	10 to 5375
Max Flow-Through Capacity (LPM)		250 to 1200	320 to 96000

All models are provided with SPOT electrical switch with one set of 1NO + 1NC dry contacts rated for 5A 230V 50 Hz or substantially non-inductive load of 0.25A 230 V D.C. OPTIONALS : (a) Dry contact rating of 15A to 30AMP 230V 50 Hz (b) Mercury switches (c) 2 sets of 1NO + 1NC contacts (d) intermittent audio-visual alarm etc.

Our Other Products:

- ★ Digital Flow Switch
- ★ Magnetic Flow Switches
- ★ Miniature Flow Switches
- ★ Magnetic Float type Level Switches.
- ★ Top Mounted Level Switches With Guided float.
- ★ Displacer type Level Switches (Rope type)
- ★ Miniature Level Switches
- ★ Magnetic Level Gauges. (Roller type)
- ★ Tubular Level Gauges.
- ★ Magnetic Level Indicator/Controllers/Transmitters
- ★ Flow Indicators With/Without Rotating Wheels



FLOW means the switch will close the circuit between terminals 1 and 3 and open the circuit between terminals 2 and 3 when flow rate is increased to the figures shown.

NO FLOW means the switch will open the circuit between terminals 1 and 3 and close the circuit between terminals 2 and 3 when flow rate is decreased to the figures shown.



Manufactured by: Mob : 9821512422
 Tel. : 022 - 40058169
 E-mail : abilleng@hotmail.com

ABILL
 Engineers.

35, Sethi Industrial Estate, Suren Road,
 Andheri (E) Mumbai-400 093