Series BFM Bulk Flow Monitor provides effective monitoring for most flow/no flow conditions in pipes and chutes. It’s sensing techniques, which use a Piezo element, makes the BFM versatile for most flow/no flow applications.

The BFM Control offers many unique advance features that exceed the industry standards. The BFM Central Processing Unit monitors movement of almost anything through a pipe or chute system. The BFM is ideal for sensing the presence or absence of materials in Pneumatic Conveying Systems. The BFM offers adjustable sensitivity depending on the application demand. Also, it provides easy installation and requires no maintenance. The unit has LED indicators – flow (green)/ no flow (red).

Series BFM has many practical applications. You can use it to monitor oil spray systems, discharge chutes, distributors, duct conveyors, drag conveyors, water systems, air systems, pneumatic systems, gravity feed systems, slurry systems, chemical processing, discharge chutes, distributors, screw conveyors, drag conveyors, water systems, air systems, pneumatic systems, gravity feed systems, slurry systems, chemical processing, food processing and rotary drums.

### Specifications

- **Model**: BFM-1, BFM-2, BFM-3, BFS-1
- **Control Unit**: NEMA 4X (IP66), Polycarbonate Housing, 12VDC
- **Sensor**: Polyethylene, aluminum, anodized aluminum.
- **Enclosure Rating**: NEMA 4X (IP66), Polycarbonate Housing, 120VAC
- **Display**: 4-digit alpha numeric red LED.
- **Process Connections**: 4 pin M12 (micro) cable connection.
- **Electrical Connections**: < 100 mA.
- **Loop Resistance**: 500 Ω.
- **Sink married output**: ISINK(max)=250mA; Output 2: 4-20 mA (scaleable) or PNP open collector.
- **Output Signal**: Output 1: PNP open collector: VOUT(max)=30 VDC / 30VDC. TTL: 0-5 V.
- **Relay**: SPDT rated 4A @ 125/250VAC, 1/10 HP @ 125/250VAC, 3A @ 30VDC. TTL: 0-5 V.
- **Humidity Limit**: 90% RH.
- **Temperature Limit**: 120°F (48.9°C). For rated conditions, see chart.
- **Accuracy**: Class 1.4.1: ±3% of measured value +0.3% of full-scale value; Class 3.4.4: ± 6% of measured value + .6% of full-scale value.
- **Response Time**: < 0.1 s.
- **Pressure Limit**: 32 to 140°F (0 to 60°C).
- **Power Requirements**: 10-30 VDC.
- **Power Consumption**: 1A.
- **Temperature Limits**: 120°F (48.9°C).
- **Power Requirement**: 1/20 HP.
- **Electrical Connections**: 3’ (0.9 m) of 18 gauge wire.
- **Temperature Limit**: 155°F (68.3°C).
- **Materials**: PVC type 1 grade 1 grey.
- **Weight**: 5 oz (141.8 g).

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