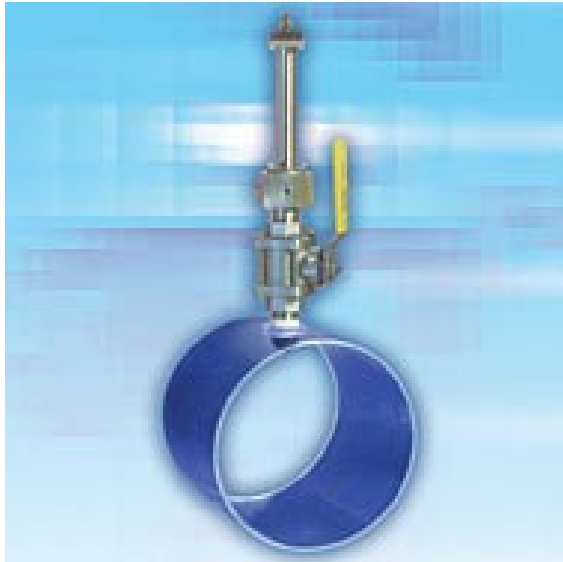


Technical Specifications Single Mag Flowmeter



The Single-Mag Flow Meter accurately measures wastewater as well as any type of industrial flow processes involving conductive fluids, such as potable water, slurries, sludge, cooling water, and pulp stock.

The Marsh Single-Mag Flow Meter is an insertion-type device that provides a highly cost-effective solution for the accurate measurement of liquid flow in closed conduit, pressurized pipe applications. Unlike conventional magnetic meters, the Single-Mag's cost is independent of pipe size. Velocity and pipe diameter information are utilized by the Single-Mag to determine flow over wide flow ranges with a high degree of accuracy.

The Marsh Single-Mag reliably measures flow in water and wastewater as well as any type of industrial flow processes involving conductive fluids such as potable water, slurries, sludge, cooling water, and pulp stock.

Measurement

Volumetric flow in filled flow conduits (DN 50-2500) in diameter utilizing insertable velocity sensor.

Flow indication in English or Metric units.

Key features include:

- Supports pressurized line sizes from 50 mm to 2500 mm
- Accuracy: $\pm 2\%$ of reading \pm zero stability at -1 to +3 m/s
- Wide flow range: -1.5 to +6. m/s
- 4-20 mA output signal
- Proven electromagnetic technology based on Faraday's Law
- Debris shedding, self cleaning sensor eliminates costly maintenance
- Easy installation/no interruption of flow process
- Special sensors for harsh environments
- Resolution: 1 mm/s

Pressure/Temperature Measurement

PVC Insertion Tube: 10 bar up to 105°C

Stainless Steel Insertion Tube: 16 bar up to 70°C
(MMI recommends the use of Stainless Steel)

Technical Specifications Single Mag Flowmeter

Materials

Sensor: Polyurethane exposed to flow

Cable: 6m. Polyurethane jacket

25mm Sensor Mounting: 316 Stainless Steel exposed to flow.

50mm Sensor Mounting: PVC and Ductile Iron exposed to flow. (Stainless Steel optional)

Compression Seal: Neoprene Rubber exposed to flow.

Sensor Selection

Pipe sizes 50 mm to 750 mm – 25mm sensor (25mm Sensor recommended for clean water applications *only* up to 750 mm. Clean water applications over 750mm should use 50mm sensor.) Pipe sizes 150 mm to 2500 mm waste water applications should use 50mm sensor.