

## **SPI Mag™**

### **Single Profile Insertion Flow Meter**



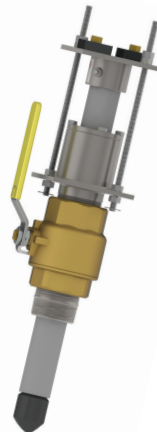
Ideal for Clean or  
Dirty Water Flow  
Measurement

**Highly Cost-Effective Flow Solution**





### Key SPI Mag Specs in Brief \*



The SPI Mag Insertion Flow Meter provides a highly cost-effective solution for the accurate measurement of liquid flow in closed conduit, pressurized pipe applications. The SPI measures forward flow only and is suitable for line sizes from 2 to 96 inches. The SPI can be easily re-located to various line sizes.

- **Proven electromagnetic technology based on Faraday's Law**
- **Debris shedding, self-cleaning sensor eliminates costly maintenance**
- **Cost is independent of line size**
- **Easy Hot Tap Installation - no interruption of flow process**

The SPI Mag is suitable for municipal water and wastewater applications including:

- **Wastewater:** Effluent, Waste Activated Sludge (WAS), Return Activated Sludge (RAS), Reclaim / Recycle
- **Clean Water:** Raw Water Intake, Clear Wells

**The SPI Mag also reliably measures flow in many types of industrial flow processes involving conductive fluids such as potable water, slurries, sludge, cooling water, and pulp stock.**

### M-SERIES CONVERTER



The SPI Mag utilizes our pre-programmed M-Series Converter\*:

- Curve-fitting algorithm to improve accuracy
- Dual 4-20 mA analog outputs
- RS485 port for easy connection to DCS
- 8 line graphical LCD display
- 3 key touch programming
- Rugged enclosure meets IP67

*\*See data sheet for complete specs and order information*

The SPI Mag is available with the following specs:

- **Range:** Nominal pipe size availability
- **Accuracy:**  $\pm 2\%$  of reading  $\pm 0.03$  ft/s ( $\pm 0.009$  m/s) zero stability from 0.3 to 32 ft/s velocity range (0.09 to 10m/s)
- **Pipe Sizes:** 2 - 96 inches (50 mm - 2,400 mm)
- Reverse flow indication

*\* See data sheet for complete specs and order information*



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