

# FPI Mag<sup>®</sup>

## Full Profile Insertion Flow Meter

The FPI Mag is a Full Profile Insertion flow meter combining the ease of hot tap installation with an accurate measurement of the full flow profile. This is accomplished with a unique operating principle featuring multiple electrodes across the entire pipe diameter. This allows the FPI Mag to deliver accuracy unmatched by other insertion mag meters and rival the performance of a full-bore mag meter.

### Simple Installation

The insertion design of McCrometer's FPI Mag Flow Meter facilitates simple installation across a wide range of applications and pipe sizes. Hot tapping allows insertion without process interruption, dewatering lines, cutting pipe or welding flanges.

### Lower Costs

Furthermore, FPI eliminates the need for heavy equipment and manpower normally associated with mag installation realising typical savings of 45% in this regard.

### Robust Construction

With no moving parts, wear and tear are minimized. The heavy-duty stainless steel sensor body imbues maximum structural integrity and is hermetically sealed and protected by NSF/WRAS certified 3M fusion bonded epoxy coating.

### FPI at a glance:

- Hot tap installation without interrupting service
- Total installed cost reduced by more than 45%
- Insertion design for total accessibility. Removable in pipes under pressure for inspection, cleaning, calibration or verification
- Multi-electrode sensor delivers accurate total flow profile to rival the performance of a full-bore meter
- Robust Construction for operational longevity with rugged 316 stainless steel sensor body
- Virtually no recalibration or maintenance.

