



FLO-PIPE 181

“Insertion” electromagnetic sensor for mounting in pressurised pipe lines

The FLO-PIPE 181 is a single point EM (velocity) flow Sensor with a 1 inch insertion sensor designed to be positioned at 1/8 diameter and can be installed under pressure (PN16) using hot tapping tools.

The FLO-PIPE 181 is designed for clean water applications with no fibres, which could hang around the inserted sensor.

TECHNICAL SPECIFICATIONS FLO-PIPE 181

Velocity Measurement

Method: Electromagnetic
Range: -10 to +10 m/s
Accuracy: ±2,5 % of reading
Repeatability: ±0.5 %

Size for pipe line diameter

Size 1: Ø ≤ 500 mm
Size 2: Ø ≤ 1000 mm
Size 3: Ø ≤ 2000 mm

Other on request

Nominal Pressure

PN 16

Process Connection

Threaded end (with exclusion ball valve)
Other on request

Material & Protection Rate

Body Material: Stainless steel AISI 304
Stainless steel AISI 316 (option)

Electrode Material: Stainless steel AISI 316L
Other on request

Connection Material: Stainless steel AISI 304
Bronze ball valve

Lining Material: PTFE

Protection: IP67 – Compact version
IP68 – Separate version (max. 20m)
IP67 – Separate version (max. 500m), with preamplifier (IP68 optional)

Environmental

Liquid Temperature: -20° to 100°C compact version
-20° to 150°C separate version

Changes without notice
Updated: 17/11/2010 by BS