

FLO-PIPE 181

Insertion electromagnetic sensor for mounting in pressurized 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

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 sizes 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. 20 m)
 IP67 – Separate version (max. 500 m),
 with preamplifier (IP68 in option)

Environmental

Liquid temperature -20° to 100°C compact version
 -20° to 150°C separate version

*Specifications are subject to change without notice
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