

Product Data Sheet
PDS-656-HT
2021-01-09

TigermagEP Obstructionless Electromagnetic Flowmeter



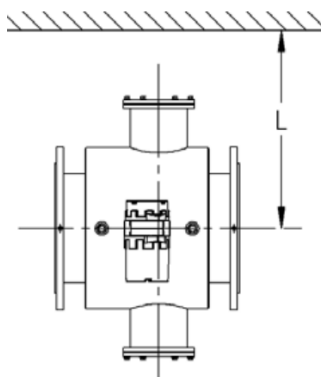
Description

The TigermagEP is a microprocessor based electromagnetic flowmeter designed to measure the flow of conductive liquids in full pipes. This datasheet applies to the Hot-Tap Removable Electrode Option.

Installation

Meters with the Hot-Tap option are installed in pipelines in the same fashion as standard meters. Added space is required around the meter, however, to allow for space to remove the electrodes. Below are the recommended, and minimum, distances for centerline of the meter to the closest wall or other obstruction.

Meter Size (in)	Distance from Centerline of meter to closest obstruction "L"	
	Recommended	Minimum
6	23	17.5
8	24	18.5
10	25	19.5
12	26	20.5
14	27	21.5
16	28	22.5
18	29	23.5
20	30	24.5
24	32	26.5
30	35	29.5
36	38	32.5
42	41	35.5
48	44	38.5
54	47	41.5

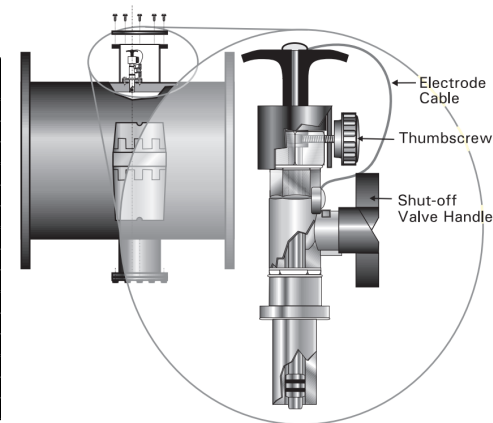


Features

Sparling's Hot-Tap electrode design has several key features:

- 1) There is no interruption of flow or depressurization of the line required during electrode replacement or maintenance.
- 2) Sizes available from 0.1" - 72"
- 3) Liners: Hard Rubber, Polyurethane, Ceramic, FEP /PTFE and Polyurethane- liner for potable water certified to NSF61.
- 4) No special tools required - removal can be easily performed with standard tools.

Removal/Insertion of Electrodes



Removing Hot-Tap electrodes takes only a few straightforward steps:

- 1) Remove port cover by removing 6 bolts.
- 2) Remove the electrode cable from the top of the handle by removing the screw.
- 3) Loosen the thumbscrew which releases the electrode assembly and allows the black electrode handle to be pulled out approximately 4" to its "STOP" position.
- 4) Turn the shut-off valve handle clockwise to close the ball valve and isolate the electrode from the process fluid.
- 5) Remove the electrode assembly with a crescent wrench.

To insert, follow the steps in reverse.