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Product Datasheet

MEF-8500

Marmonix Flange Ball Valve Insertion Electromagnetic Flow Meter

Overview:

Marmonix Flange Ball Valve Insertion Electromagnetic Flow Meter MEF-8500 works based on Faraday's law, and measure conductive medium with conductivity more than 5 μs/cm and flow range from 0.2 to 15 m/s.

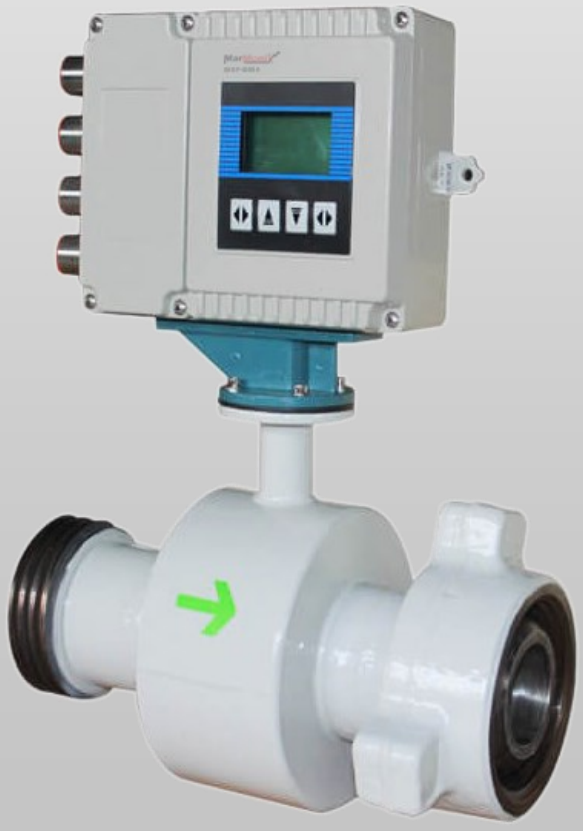
Marmonix Flange Ball Valve Insertion Electromagnetic Flow Meter MEF-8500 is Consist of proprietary technological sensor and transmitter, it's mainly used to measure slurry, cement paste and high pressure water infusion in geology, oil exploration.

Features:

- No moving parts, no pressure loss
- Accuracy:±0.2% of the measured value + 0.3m/s
- High accuracy for low flow rate and can measure duplex flow
- Double frequency excitation, stable zero point
- Built-in ground electrode, no need grounding ring

Application:

- Chemical
- Medicine
- Beverage
- Iron and steel
- Water supply
- Electric power
- Water treatment



Specification

Size	DN10-DN300
Accuracy	0.5% of the read value,0.3% and 0.2% optional
Liner Material	F46, PFA, PU
Electrode	SS316L, HC, HB, TI, Tan, Pt
Working Pressure	6.3, 10, 16, 25, 32 MPa
Medium Temperature	0~180℃
	-20~60℃
Connection	Union
Protection Grade	IP65, IP68
Explosion-proof Mark	ExmIIT4、ExmdIIBT4

Electrode Materials

Electrode material	Applications
sainless steel SUS316	Applicable in water, sewage and corrosive mediums.
	Widely used in industries of petrol, chemistry, carbamide, etc
Stainless steel covered with tungsten carbide	Applicable in mediums of no corrosive and low abrasion.
Hastelloy B(HB)	Having strong resistance to hydrochloric acid of any consistance which is below boiling point.
	Also resistable against vitriol, phosphate,
	Hydro fluoric acid ,organic acid etc which are oxidable acid ,alkali and non-oxidable salt.
Hastelloy C(HC)	Be resistant to oxidable acid such as nitric acid ,mixed acid
	as well as oxidable salt such as Fe+++,Cu++a Stnd sea water
Titanium	Applicable in seawater, and kinds of chloride, hypochlorite salt, oxidable acid (including fuming nitric acid),organic acid, alkali etc.
	Not resistant to a pure reducing acid (such as sulphuric acid, hydrochloric acid corrosion.
	But if acid contains antioxidant is greatly reduce corrosion.
Tantalum	Having strong resistance to corrosive mediums that is similar with glass
	Almost is applicable to all chemical mediums.
	Except for hydrofluoric acid, oleum and alkali.
Platinum-iridium	Almost be applicable in all chemical mediums except for ammonium salt.