

Partially Filled Electromagnetic Flowmeter

Company name
Address
City, State, Zip
Contact name:
Phone number:
Email address

RFQ Number:
Project Name:
Tag Number (s):

Process Data

Media name:	Piping Details	Meter Orientation
Sp. gravity	Line size:	Horizontal
Density	Schedule:	
Viscosity		
Temperature	Pipe Slope	
Pressure:	Mating	
Flow Rate:	PIPE ID	

Signal Converter / Transmitter Specifications

CONVERTER DESIGN			OPTIONS	
KROHNE Model	Signal Converter (type)	Remote cable length	IO Version	Communications
IFC 300PF	Remote/ field-mounted	30 ft 90 ft. 45 ft. 120 ft. 60 ft. 150 ft. 75 ft. 300 ft.	50	HART Foundation Fieldbus Modbus Profibus PA/DP
Power requirements	Converter Housing (material)	Hazardous Area	IO Modules	
12-24 VDC 100-230 VAC	Aluminum 316L	without FM (Class 1, Div 2) CSA (Class 1, Div 2)	Base IO Module 1st IO Module 2nd IO Module	

Electromagnetic Flow Sensor Specifications

SENSOR DESIGN	PROCESS CONNECTIONS	MATERIALS OF CONSTRUCTION		
KROHNE Model	Process Connections (size & type)	Lining (material)	Electrodes	Grounding
TIDAL FLUX	ASME 150lb. RF AWWA Class D ASME 300 lb. RF	Polyurethane	316 SST Hastelloy	#3 316L grounding ring
Protection category		Flange (materials)	Sensor coil housing (external)	
IP66/67 IP68		Carbon steel 316L SST	Carbon steel 316L SST	

Electromagnetic Flowmeters (EMF) Partially Filled Pipes



	High performance converter Multiple IO modules	Measuring Accuracy	± 1 (IFC 300)
Signal Converter Type	IFC 300 F (field-mounted)	Process Temperature	23 to 140 °F
Max solids content	≤ 70% (by volume)	Process Connections	8" to 72" ASME 150...300 AWW Class D
Electrical Conductivity	≥1 μS/cm (water ≥20 μS/cm)	Liner materials	Polyurethane
IO Communications	mA (HART), pulse, frequency, status , control input Foundation Fieldbus Profibus PA/ DP RS485 Modbus	Electrodes materials	Hastelloy C22 Stainless steel
Hazardous Area	cFMus (Class 1, Div 2), ATEX		
Converter Housing	Die-cast Aluminum Stainless steel		