

# 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:	<b>Piping Details</b>	<b>Meter Orientation</b>
Sp. gravity	Line size:	Horizontal
Density	Schedule:	
Viscosity		
Temperature	Pipe Slope	
Pressure:	Mating	
Flow Rate:	PIPE ID	

## Signal Converter / Transmitter Specifications

CONVERTER DESIGN			OPTIONS	
<b>KROHNE Model</b>	<b>Signal Converter (type)</b>	<b>Remote cable length</b>	<b>IO Version</b>	<b>Communications</b>
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
<b>Power requirements</b>	<b>Converter Housing (material)</b>	<b>Hazardous Area</b>	<b>IO Modules</b>	
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		
<b>KROHNE Model</b>	<b>Process Connections (size &amp; type)</b>	<b>Lining (material)</b>	<b>Electrodes</b>	<b>Grounding</b>
TIDAL FLUX	ASME 150lb. RF AWWA Class D ASME 300 lb. RF	Polyurethane	316 SST Hastelloy	#3 316L grounding ring
<b>Protection category</b>		<b>Flange (materials)</b>	<b>Sensor coil housing (external)</b>	
IP66/67 IP68		Carbon steel 316L SST	Carbon steel 316L SST	

# Electromagnetic Flowmeters (EMF) Partially Filled Pipes



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