

Coriolis Flowmeter Application Information Form

Please complete this form as much as possible. Fax back to Cole-Parmer 847-327-2987, attention: Applications, noting your purchase order number and reference number. At that time, we will be happy to offer the instrument that is best suited for your application.

Name: _____ Date: _____
 Title: _____ Phone: _____
 Company: _____ Fax: _____
 Address: _____ E-Mail: _____
 City: _____ State & Zip: _____
 P.O #: _____ Reference #: _____

Process Data

Liquid Gas

Fluid/Gas Composition: _____

Flow Rate:

Continuous Pulsing If Pulsing, type of pump: _____

Batch Control: On/Off Times or Batch Size: _____

Flow Rate:	Units	_____	Minimum	_____	Nominal	_____	Maximum	_____
Viscosity:	Units	_____	Minimum	_____	Nominal	_____	Maximum	_____
Density:	Units	_____	Minimum	_____	Nominal	_____	Maximum	_____
Specific Gravity	Units	_____	Minimum	_____	Nominal	_____	Maximum	_____
Molecular Weight	Units	_____	Minimum	_____	Nominal	_____	Maximum	_____
Pressure	Units	_____	Minimum	_____	Nominal	_____	Maximum	_____
Temperature	Units	_____	Minimum	_____	Nominal	_____	Maximum	_____
Ambient Temp	Units	_____	Minimum	_____	Nominal	_____	Maximum	_____

Solid Particles:

No Yes Particle Size: _____ % Solids: _____ by Volume by Mass
 Abrasiveness: Low Medium High

Gas/Entrained Air: (If Liquid Application)

No Yes % by Volume: _____

Liquid Droplets: (If Gas Application)

No Yes Type and % by Volume: _____

Is Fluid Compatible with:

318 Stainless Steel Hastelloy C Titanium

CIP or SIP:

No Yes Please describe: _____

Pipe Specs: OD: _____ Units _____ Schedule: _____ Wall _____ Material: _____
 (inches, mm, etc.) Thickness: _____

Preferred Connection:

ANSI Class 150 RF, Size _____
 ANSI Class 300 RF, Size _____
 Sanitary, Quick Disconnect, Size _____
 Other, Describe _____

Liquid/Steam Heating Jacket: No Yes (with Titanium and 318 Stainless Steel)

Purge Fittings: No Yes

Sensor Surface Finish: Standard Polished RA 0.5 µm (with Titanium and 318 Stainless Steel)

Electronics Requirements

Hazardous Area: General Purpose Hazardous

If Hazardous: Class: _____ Group: _____ Division: _____

Agency Approvals: FM CSA EHEDG 3A ASME Bio-processing Equipment STD Other: _____

Mounting: Integral Remote If Remote, required cable distance _____ (ft or m) (30ft/10m standard/ 1000ft/300m maximum)

Supply Voltage: 110/115/ 120 VAC 24 VDC 100 VAC 200VAC 220/230/240 VAC

Desired Measuring Functions:

Standard: Mass Flow Rate, Totalized Mass, Density, Referred Density, Temperature, Volumetric Flow, Totalized Volume

Optional: Brix General Concentration NaOH concentration
 Baume 144.3 Baume 145.0 Plato
 Other, describe

Output/Communications Options (Choose one MFC 050 or MFC 051):

MFC 050 (Hazardous or Non-Hazardous Design) (Choose one)

- 1 x 4-20 mA, 1 x Pulse, 1 x Control Input, 1x Status Output – Hart (Standard)
- 1 x 4-20 mA, Modbus (Optional)
- 1 x 4-20 mA, 1 x Control Input, 1 Dual Phase Frequency Output – HART (Optional)
- 2 x 4-20 mA, 1 x Pulse, 1 x Control Input- HART (Optional)
- 2 x 4-20 mA, 1 x Status Output, 1 x Control Input – HART (Optional)
- 3 x 4-20 mA, 1 x Pulse – HART (Optional)
- 3 x 4-20 mA, 1 x Control Input – HART (Optional)
- 3 x 4-20 mA, 1 x Status Output – HART (Optional)

MFC 051 (Intrinsically Safe Design) (Choose one)

- 2 x 4-20 mA-HART (outputs galvanically separated from each other)
- 1 x 4-20 mA, 1 x Pulse – HART
- 1 x 4-20 mA, 1 x Control Input – HART
- 1 x 4-20 mA, 1 x Status Output – HART
- 1 x 4-20 mA, 1 x Profibus PA

Special Requirements/ Additional Comments