

# Rotameter / Variable Area FLOWMETER

Application Information Form

Tag #: \_\_\_\_\_

So we may better understand your application, we ask that you complete this form for each meter. Volition Controls will offer the instrument that is best suited to your needs. We suggest you *make a photocopy* of this form, leaving the original intact for additional applications.

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Contact Name \_\_\_\_\_

Title \_\_\_\_\_

Tel. No. for technical questions \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

## 1. Fluid Data:

Name: \_\_\_\_\_

Description: \_\_\_\_\_

% Concentration (if applicable) \_\_\_\_\_

Viscosity: \_\_\_\_\_ Min. \_\_\_\_\_ Max. \_\_\_\_\_

Units: \_\_\_\_\_ (Cps, Cst, etc.)

Does Fluid Contain Solids? Y or N

If Yes, Particles Size/Desc.: \_\_\_\_\_

\_\_\_\_\_ % Solids: \_\_\_\_\_

**For Liquids:** Density \_\_\_\_\_ Lbs/Ft<sup>3</sup> or Spec.Gravity \_\_\_\_\_

Flow Rate \_\_\_\_\_ Units\*

\_\_\_\_\_ (Min) \_\_\_\_\_

\_\_\_\_\_ (Norm) \_\_\_\_\_

\_\_\_\_\_ (Max) \_\_\_\_\_

\* GPM, GPH, LPH, Other: \_\_\_\_\_

Does Fluid Contain Gas, or Entrained Air? Y or N

If Yes, % Gas: \_\_\_\_\_

**For Gases:** \_\_\_\_\_ Standard \_\_\_\_\_ Flowing \_\_\_\_\_ Units

Density/Spec. Gravity: \_\_\_\_\_

Flow Rate Units\* \_\_\_\_\_ Accuracy Required

\_\_\_\_\_ (Min.) \_\_\_\_\_ % Rate

\_\_\_\_\_ (Norm.) \_\_\_\_\_ % Rate

\_\_\_\_\_ (Max.) \_\_\_\_\_ % Rate

\* SCFM, SCFH, ACFM, ACFH, etc...

Is flow **Continuous** or **Pulsing/Batch**

If Pulsing, describe On/Off times, Pulse Rate, or Batch Size:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## 2. Equipment Preference

Desired Scale: \_\_\_\_\_

Accuracy Required: \_\_\_\_\_ % Full Scale

### Connections:

Size: \_\_\_\_\_ (Inches)

Threaded ANSI 150# ANSI 300# ANSI 600#

Other: \_\_\_\_\_

Materials of Wetted Parts:

316 SST. \_\_\_\_\_, Teflon: \_\_\_\_\_, Ceramic \_\_\_\_\_

Hastelloy C: \_\_\_\_\_

Hazardous Area (FM): Y or N? If yes:

Class: \_\_\_\_\_ Group: \_\_\_\_\_ Div: \_\_\_\_\_

Local Indication? Y or N. Remote Transmission? Y or N

Limit Switches? Y or N. If Yes, How many? \_\_\_\_\_

Special Requirements:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Temperature / Pressure:

Operating Fluid Temperature:

\_\_\_\_\_ Min \_\_\_\_\_ Norm. \_\_\_\_\_ Max. (Deg. F or C)

Ambient Temperature:

\_\_\_\_\_ Min. \_\_\_\_\_ Norm. \_\_\_\_\_ Max. (Deg. F or C)

Inlet Operating Pressure:

\_\_\_\_\_ Min. \_\_\_\_\_ Norm. \_\_\_\_\_ Max. (PSIG)

Outlet Operating Pressure:

\_\_\_\_\_ Min. \_\_\_\_\_ Norm. \_\_\_\_\_ Max. (PSIG)

Describe your flow measurement problem and what you wish to accomplish:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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