

## VersaFlow Vortex Meter Application Analysis Form

Please complete this form as much as possible. Fax or e-mail it to Honeywell or our local representative in your area. We will be happy to offer the instrument that is best suited for your application. Move to the next field using the mouse. Some of the fields have a drop down menu to select from, other fields require that you type in the information. When done, save the document under a new file name using "Save as" under File menu

Company \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Contact Name \_\_\_\_\_  
 Title \_\_\_\_\_  
 Tel. No. for Technical Questions \_\_\_\_\_  
 Signature \_\_\_\_\_ Date \_\_\_\_\_

Reviewed by \_\_\_\_\_ / \_\_\_\_ / \_\_\_\_  
 Approved by \_\_\_\_\_ / \_\_\_\_ / \_\_\_\_

### 1. Fluid Data:

Name: \_\_\_\_\_ Description: \_\_\_\_\_  
 Type (If Applicable):  Volumetric or  Mass Flow  
 Viscosity: \_\_\_\_\_ Min. \_\_\_\_\_ Max. \_\_\_\_\_ Units: \_\_\_\_\_  
 Operating Density: \_\_\_\_\_ Units \_\_\_\_\_  
 Or Spec. Gravity \_\_\_\_\_

Flow Rate	Units*
_____ (Min.)	_____
_____ (Typ.)	_____
_____ (Max.)	_____

\* Lbs/hr, lbs/min, kg/hr, kg/min, GPM, GPH, LPH, etc  
 \*\* SCFM, SCFH, ACFM, ACFH for gases

#### Important :

**For gases :** Please clearly specify flow rate and density is **actual operating** \_\_\_\_\_ OR at **standard conditions** @68F \_\_\_\_\_

**For Steam :**  Saturated or  Superheated

#### Software version:

- Basic Version:** Liquids, Gases, uncompensated + Temperature Compensation for Saturated steam
- Gas Version:** Gases, Wet Gases, Gas Mixtures With Pressure & Temperature Compensation
- Steam Version:** Superheated steam with Pressure & Temperature Compensation

For Gas and Steam Versions please specify the max. design Pressure for the pressure probe: \_\_\_\_\_

#### Important:

For gas mixtures please specify the gas components in %

**Does Fluid Contain Solids?** Y  N   
**Does Fluid Contain Gas or Entrained Air?** Y  N   
 If Yes: \_\_\_\_\_% Solids or Air: \_\_\_\_\_ (approx.)

### 2. Equipment Preference

Desired Scale for 4-20mA Output: \_\_\_\_\_

Connections:  Flanged or  Wafer  
 Line Size: \_\_\_\_\_ Pipe SCH \_\_\_\_\_

#### Rating:

**Is pipe reducing/expanding allowed?** (for optimum meter sizing)  
 Y or  N

#### How much straight piping is available upstream and downstream of the meter:

Upstream:  10D with flow straightener only!  20D  
 Downstream:  5D  ≥10D

#### Materials of Wetted Parts acceptable to process:

316SS  Hastelloy C  Other: \_\_\_\_\_

**Hazardous Area (FM):**  Y or  N

**ATEX EEx d ia (ia) IIC T6**

**FM Class I Div I**

**Local Indication?**  Y or  N.

**Converter/Style:**  Integral or  Remote  
**Cable length** \_\_\_\_\_ feet

**HART option:**  Y or  N

**Pulse output:**  Y or  N

**Pulse Scale:** \_\_\_\_\_ (i.e. 1 Gallon per pulse, max. 0.5 Hz)

#### Special Requirements:

i.e. max. allowed pressure drop: \_\_\_\_\_

### 4. Temperature / Pressure: (\*\*must for steam/gas)

#### Operating fluid temperature:

min: \_\_\_\_\_ norm: \_\_\_\_\_ max: \_\_\_\_\_ units: \_\_\_\_\_

#### Operating Pressure:\*\*

min: \_\_\_\_\_ norm: \_\_\_\_\_ max: \_\_\_\_\_ units: \_\_\_\_\_

#### Ambient Temperature:

min: \_\_\_\_\_ norm: \_\_\_\_\_ max: \_\_\_\_\_ units: \_\_\_\_\_

### 5. Describe your flow application briefly and what it is you wish to accomplish: (if required add sketch)