Vortex Shedding Flowmeter

Description
This flowmeter is made for water and low viscosity fluids.
It has the following features:
• Battery operated (AA batteries).
• Rate or Total
• No moving parts to clog or wear
• 6 1/2 digit LCD display

Material Specifications
Flow bodies of brass or 316 Stainless Steel with PVDF sensors and Viton® seals standard.

User-Configurable Options
Features that are selectable include:
• Selectable units: Gallons, Liters or Cubic Meters.

Instrument Specifications
• Flow
  Accuracy: ±2% of full scale
  Repeatability: ±.25% of indicated flow
  Turndown (ratio of max to minimum flow rates): 10:1
• Pressure
  300 PSIG (20 Bar) operating pressure
• General
  Fluid temperature limits: 35-130°F (2-54°C).
  Enclosure rating: Designed to meet the requirements of IP67
• Pipe Connections:
  Female NPT, BSPP & BSPT
• Back pressure of 10 PSIG required.

Viton® is a registered trademark for DuPont Performance Elastomers.
**MODEL CODES**

<table>
<thead>
<tr>
<th>Flow maximum GPM (LPM)</th>
<th>Pipe size in inches</th>
<th>Model code</th>
<th>Material</th>
<th>Thread options available</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 (15)</td>
<td>1/4</td>
<td>CP2-V8**</td>
<td>-M1=Brass</td>
<td>T1=NPT</td>
</tr>
<tr>
<td>6 (22.7)</td>
<td>3/8</td>
<td>CP3-V8</td>
<td>-M2=316 Stainless Steel</td>
<td>T2=BSPT</td>
</tr>
<tr>
<td>12 (45)</td>
<td>1/2</td>
<td>CP4-V8</td>
<td></td>
<td>T3=BSPP</td>
</tr>
<tr>
<td>25 (95)</td>
<td>3/4</td>
<td>CP6-V8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50 (190)</td>
<td>1</td>
<td>CP8-V8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 (380)</td>
<td>1 1/2</td>
<td>CP12-V8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>200 (750)</td>
<td>2</td>
<td>CP16-V8</td>
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</tbody>
</table>

* Indicates default selection. If no selection is made, this option is assumed (Example: CP2-V8 is the same as CP2-V8M1T1).

** Use only schedule 40 pipe

**PRESSURE DROP**

[Graph showing pressure drop vs flow for different models]

**INSTALLATION DRAWINGS**

[Diagram showing installation drawings with dimensions]

<table>
<thead>
<tr>
<th>Size</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>E (mm)</th>
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<tbody>
<tr>
<td>CP2-V8, CP3-V8 &amp; CP4-V8</td>
<td>3.65</td>
<td>1.83</td>
<td>4.95</td>
<td>5.91</td>
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<td>CP6-V8 &amp; CP8-V8</td>
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<td>5.26</td>
<td>6.44</td>
<td>2.75</td>
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<tr>
<td>CP12-V8 &amp; CP16-V8</td>
<td>6.75</td>
<td>3.38</td>
<td>5.99</td>
<td>7.69</td>
<td>2.88</td>
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</table>

UNIVERSAL FLOW MONITORS, INC.
1755 E. Nine Mile Road • P. O. Box 249 • Hazel Park, MI 48030
Tel: 248-542-9635 • Fax: 248-398-4274
www.flowmeters.com