**PTFE/Glass Flowmeters**

**Variable Area, Universal 65 mm and 150 mm Scales, ±2% FS Accuracy**

**SPECIFICATIONS**

**Service:** Compatible gases or liquids.

**Wetted Materials:**
- Flowtube: Borosilicate glass;
- Float: Glass (sapphire optional);
- Float stops and end fittings: PTFE;
- O-rings and packings: PTFE.

**Temperature Limits:** -26 to 65°C.

**Pressure Limits:** 102 psi (6.7 bar).

**Accuracy:** ±2% FS @ 70°F (21.1°C)
- 15 to 541°F (-26 to 225°C).
- 101 to 2001 scf/h (ml/min).

**Flow Rate (Air):**
- Model 65 mm scale:
  - No Valve: Glass 0.220 (104)
  - Float: Glass 0.428 (202)
  - Valve Orifice: 6-turn needle.

**Turn-down ratio:** 10:1; 20:1 with combinations of two floats installed in meters.

**Mounting:** Vertical.

**Valve Orifice:** PTFE.

**Connecting Line:**
- Universal 65 mm or 150 mm scales with correlation charts.

**Universal 150 mm scales with correlation charts.**

**Connections:** Two 1/8” female NPT.

**Valve:** 6-turn needle.

**APPLICATIONS**

Kits are ideal for flow applications in air and water analysis, film processing, chemical processing, gas chromatography, pharmaceutical, alcohol and tobacco production, pulp and paper, and semiconductor industry.

**CALL TO ORDER:**
- U.S. Phone 219 879-8000
- U.K. Phone (+44) (0)1494-461707
- Australia Phone (+61) (0) 2 4272 2055

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**Series VA-K**

**Variable Area Flowmeter Kits**

Interchangeable Flow Tubes and Floats, 150 mm Universal Scales

**The Series VA-K Flowmeter Kits** offer a economical means of acquiring diverse flow measurement capability. The kit includes a completely assembled flowmeter (available with Aluminum or 316 SS end fittings) and three interchangeable 150 mm flow tubes. All flow tubes are supplied with a glass float installed. Spare 316 SS and Tantalum floats are included to extend flow capacities. Series VA-K kits also include a high flow valve cartridge, tripod base, tweezers, pushrod and locking tool for changing floats and flow tubes, correlation charts and plastic carrying case.

**Model VA-K1, Aluminum Flowmeter Kit**

**Model VA-K2, 316 SS Flowmeter Kit**

<table>
<thead>
<tr>
<th>Max. Flow Rate (mL/min)*</th>
<th>Flow Rate (Air) scfh (ml/min)</th>
<th>Flow Rate (H2O) gph (ml/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Tube Number</td>
<td>Glass</td>
<td>316 SS</td>
</tr>
<tr>
<td>043-15</td>
<td>1/8 to 18.5</td>
<td>0.01 to 0.33</td>
</tr>
<tr>
<td>112-02</td>
<td>21 to 374</td>
<td>0.023 to 5.5</td>
</tr>
<tr>
<td>102-05</td>
<td>106 to 3807</td>
<td>288 to 7596</td>
</tr>
<tr>
<td>044-40</td>
<td>932 to 22363</td>
<td>284 to 7596</td>
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<tr>
<td>044-40</td>
<td>2015 to 6258</td>
<td>284 to 7596</td>
</tr>
<tr>
<td>044-40</td>
<td>106 to 3807</td>
<td>288 to 7596</td>
</tr>
</tbody>
</table>

* Flow rates are given for standard pressure and temperature 70°F (21°C) @ 760 mm Hg.