VARIABLE AREA FLUOROPOLYMER FLOWMETER

In-Line, Chemically Inert

The Series VAT Variable Area Fluoropolymer Flowmeter is ideal for high purity or corrosive liquid applications. This series of flowmeters features a 0 to 10 scale for flow indication. Each unit is individually leak tested to a leak integrity rating of 1 x 10⁻⁷ sccs of helium.

FEATURES/BENEFITS
• Chemically inert wetted components yield long life even in corrosive liquid applications
• All units are individually leak tested for no additional cost

APPLICATIONS
• Chemical injectors
• Deionized water systems

SPECIFICATIONS
Service: Compatible liquids.
Wetted Materials: Flowtube: PFA; Float and end fittings: PTFE; Guide rods: PCTFE.
Temperature Limit: 250°F (121°C).
Pressure Limit: 100 psig (6.9 bar).
Accuracy: ±5% FS @ 70°F (21.1°C) and 14.7 psia (1 atm absolute).
Process Connections: See chart.
Leak Integrity: 1 x 10⁻⁷ sccs of helium.
Scale: Direct reading.
Mounting: Vertical, in-line.

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Low Range</th>
<th>Flow Rate GPH (ml/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAT-311</td>
<td>1/4” female NPT</td>
<td>1.98 (125)</td>
</tr>
<tr>
<td>VAT-312</td>
<td>1/4” female NPT</td>
<td>3.91 (250)</td>
</tr>
<tr>
<td>VAT-313</td>
<td>1/4” female NPT</td>
<td>6.34 (400)</td>
</tr>
<tr>
<td>VAT-314</td>
<td>1/4” female NPT</td>
<td>7.92 (500)</td>
</tr>
<tr>
<td>VAT-315</td>
<td>1/4” female NPT</td>
<td>15.85 (1000)</td>
</tr>
<tr>
<td>VAT-317</td>
<td>3/8” female NPT</td>
<td>39.62 (2500)</td>
</tr>
<tr>
<td>VAT-318</td>
<td>3/8” female NPT</td>
<td>47.54 (3000)</td>
</tr>
<tr>
<td>VAT-319</td>
<td>3/8” female NPT</td>
<td>79.23 (5000)</td>
</tr>
</tbody>
</table>

SERIES TVA

ALL FLUOROPOLYMER FLOWMETERS

75 mm and 125 mm, 10:1 Turndown, Back Connect, Corrosive Resistant

The Series TVA All Fluoropolymer Flowmeters are ideal for high purity or corrosive liquid applications. This series of flowmeters features a 0 to 10 scale graduations denoting a discrete flow rate.

FEATURES/BENEFITS
• Chemically inert wetted components yield long life even in corrosive liquid applications
• Low installation costs with standard back process connections for easy panel mounting

APPLICATIONS
• Chemical injectors
• Deionized water systems

SPECIFICATIONS
Service: Compatible liquids.
Wetted Materials: Flowtube: PFA; Float and end fittings: PTFE; Guide rods: PCTFE.
Temperature Limit: 250°F (121°C).
Pressure Limit: 100 psig (6.9 bar).
Accuracy: ±0.25%.
Repeatability: ±0.25%.
Leak Integrity: 1 x 10⁻⁷ sccs of helium.
Scales: Direct reading, 75 mm or 125 mm lengths.
Turn-down Ratio: 10:1.
Mounting: Vertical.

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Low Range</th>
<th>Flow Rate Water GPH (l/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVA1116X</td>
<td>1/4” female NPT</td>
<td>1.25 (32) 6.16 (156) 3/8</td>
</tr>
<tr>
<td>TVA1113X</td>
<td>3/8” female NPT</td>
<td>1.25 (32) 6.16 (156) 3/8</td>
</tr>
<tr>
<td>TVA22XX</td>
<td>3/8” female NPT</td>
<td>1.25 (32) 6.16 (156) 3/8</td>
</tr>
</tbody>
</table>

OPTIONS
Use order code: Description
NISTCAL-FL1 NIST traceable calibration certificate