VISI-FLOAT® ACRYLIC FLOWMETERS WITH ROTO-GEAR VALVE TECHNOLOGY

Full On/Off Control and Precise Flow Adjustment in One Valve Design

The innovative Series VFCR Visi-Float® Acrylic Flowmeters with Roto-Gear Valve Technology are direct reading variable area flowmeters with scales for liquid or gas applications. Roto-gear valve technology permits full open to close adjustment while maintaining fine flow control of the process media in one valve design. Installation, operation, and maintenance are simple ensuring a long, accurate, and trouble-free operation life.

FEATURES/BENEFITS
- Patent pending interlocking and rotating gear valve design offers fine flow control with full flow adjustment from fully open to fully closed
- Convenient valve cartridge assembly can easily be removed for effortless cleaning saving time and money
- Direct reading scales are hot stamped into the acrylic body resisting fading or wearing and extending product life
- Bodies are cut and precision machined from solid, clear acrylic blocks with white backgrounds for better visibility of the float, increasing reading accuracy
- Valve design features leak tight closure

APPLICATIONS
- Medical equipment
- Pollution monitors
- Chemical injectors
- Mining
- Laboratory
- Gas analysis
- Wastewater

REMOVABLE ROTO-GEAR VALVE CARTRIDGE ASSEMBLY
Easily remove or replace valve assembly

SPECIFICATIONS
Service: Compatible gases and liquids.
Wetted Materials: Body: Acrylic plastic; O-ring: Buna-N; Valve: Delrin®; Float: Stainless steel; Float stop: Polyolefin (range no. 141 Polyolefin and PVC); Float rod: 18-8 SST; Fittings: PVC (VFCRII Delrin®); ABS plastic.
Temperature Limit: 120°F (48°C).
Pressure Limit: 100 psig (6.9 bar).
Accuracy: 2% of FS.
Process Connection: VFCR: 1˝ female NPT back connections; VFCRII: 1˝ male NPT back connections.
Scale Length: 5˝ (127 mm).
Mounting Orientation: Mount in vertical position.
Weight: 25.6 oz (0.73 kg).
Agency Approvals: Meets the technical requirements of EU Directive 2011/65/EU (RoHS II).

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Thread Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>VFCR-X</td>
<td>1˝ FNPT</td>
</tr>
<tr>
<td>VFCRII-X</td>
<td>1˝ MNPT</td>
</tr>
</tbody>
</table>

How To Order:
- Model - Range No. - Option
- Example: VFCR-121-NIST

RANGE CHART – 5˝ SCALE – POPULAR RANGES

<table>
<thead>
<tr>
<th>Range No.</th>
<th>SCFM Air</th>
<th>Range No.</th>
<th>GPM Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>121</td>
<td>4 to 25</td>
<td>141</td>
<td>5 to 5</td>
</tr>
<tr>
<td>122</td>
<td>5 to 50</td>
<td>142</td>
<td>1 to 10</td>
</tr>
<tr>
<td>123</td>
<td>10 to 100</td>
<td>143</td>
<td>2 to 20</td>
</tr>
<tr>
<td>Range No.</td>
<td>LPM Air</td>
<td>Range No.</td>
<td>LPM Water</td>
</tr>
<tr>
<td>131</td>
<td>100 to 700</td>
<td>151</td>
<td>2 to 20</td>
</tr>
<tr>
<td>132</td>
<td>200 to 1400</td>
<td>152</td>
<td>4 to 40</td>
</tr>
<tr>
<td>133</td>
<td>300 to 2800</td>
<td>153</td>
<td>10 to 75</td>
</tr>
</tbody>
</table>

OPTIONS
- To order add suffix: Description
  - NIST: NIST traceable calibration certificate
  - BSPT: BSPT process connections
- Example: VFCR-121-NIST

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