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

The innovative SERIES VFCR Visi-Float® Acrylic Flowmeter with Roto-Gear Technology is a direct reading variable area flowmeter 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 (optional fluoroelastomer); Valve: Delrin®; Float: Stainless steel; Float stop: Polyolefin (range no. 141 Polyolefin and PVC); Float rod: 18-8 SST; Fittings: PVC (VFCR 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).

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Thread Type</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>VFCR-X</td>
<td>1˝ FNPT</td>
<td>$105.00</td>
</tr>
<tr>
<td>VFCRII-X</td>
<td>1˝ MNPT</td>
<td>$105.00</td>
</tr>
</tbody>
</table>

**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>
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<tr>
<td>123</td>
<td>10 to 100</td>
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<td>131</td>
<td>100 to 700</td>
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<td>133</td>
<td>300 to 2800</td>
<td>153</td>
<td>10 to 75</td>
</tr>
</tbody>
</table>

**OPTIONS**

- **To order add suffix:**
  - -VIT: Fluoroelastomer O-rings
  - -NIST: NIST traceable calibration certificate
  - -BSPT: BSPT process connections

- **Description**
  - Fluoroelastomer O-rings
  - NIST traceable calibration certificate
  - BSPT process connections

- **Price**
  - +$8.40
  - +$215.00

Example: VFCR-121-NIST

Delrin® is a registered trademark of E.I. DuPont De Nemours and Company