Furon® Metering Valve

Manually Actuated, Multi-Turn Valve (1/16” Orifice)

Description
Furon Metering Valves offer a means of precisely metering liquid or gas flow. Our metering valves feature a “needle” design with a manual knob and fine-thread adjustment stem, allowing the end user to very precisely set the valve for the desired liquid or gas flow. Constructed from 100% virgin PTFE wetted parts, they are suitable for use with harsh, aggressive, or ultra-pure chemistry and most gases. Bubble-tight sealing assures no leakage in gas applications. Panel mount feature is standard on all Metering Valves, allowing the user to easily mount the valves on an instrumentation or control panel.

Applications
• Precise regulation of chemical or gas flow in wafer processing applications
• Flow regulation in DI water systems
• Instrumentation requiring precise flow regulation of gas or chemical
• Laboratory applications

Features and Benefits
• 100% virgin PTFE wetted parts for high purity and corrosion resistance
• Fine thread on needle stem allows precise metering and flow control
• Small footprint design
• Bonnets and packing easily removable for cleaning
• Straight through flow path construction
• 90° angle body available as option

ASK AN ENGINEER
**Furon® Metering Valve**

### Ordering & Technical Specifications

- **Max. Operating Pressure**: 75 psig (5.2 bar)
- **Max. Operating Temperature**: 212°F (100°C)
- **Flow Factor**: C_v 0.2 – 0.5
- **Body**: PTFE
- **Needle & Stem**: PTFE
- **Adjustment Knob**: Polypropylene

#### Options

- **90° angled body (MVA Series)**
- **Other end connection types available:**
  - Nippon Pillar Super 300®
  - Tube ends
  - Others not listed

*Please consult factory for further details >>*

### Flow Characteristics

**AIR**

<table>
<thead>
<tr>
<th>Flow (SCFM)</th>
<th>0.00</th>
<th>1.00</th>
<th>2.00</th>
<th>3.00</th>
<th>4.00</th>
<th>5.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>5 PSI</td>
<td>10 PSI</td>
<td>20 PSI</td>
<td>30 PSI</td>
<td>40 PSI</td>
<td>50 PSI</td>
</tr>
<tr>
<td>0.50</td>
<td>12.5 kPa</td>
<td>25 kPa</td>
<td>50 kPa</td>
<td>75 kPa</td>
<td>100 kPa</td>
<td>125 kPa</td>
</tr>
</tbody>
</table>

**WATER**

<table>
<thead>
<tr>
<th>Flow (GPM)</th>
<th>0.00</th>
<th>0.50</th>
<th>1.00</th>
<th>1.50</th>
<th>2.00</th>
<th>2.50</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>5 PSI</td>
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