Features
This valve is driven by a piece of shape memory alloy, giving it the following features:
- Compact and light weight: 19 x 18.4 x 14 mm and 1.5 g (approx.).
- Silent operation
- Low power consumption – 0.3 W or less.
- Low cost and disposable.

Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Standard/High pressure</td>
</tr>
<tr>
<td>Orifice Diameter (mm)</td>
<td>0.4, 0.8</td>
</tr>
<tr>
<td>Port Connection</td>
<td>Hose pipe, O-ring (Manifold mount)</td>
</tr>
<tr>
<td>Operating Pressure Range</td>
<td>IN: 0 ~ 100, 0 ~ 250, 0 ~ 200</td>
</tr>
<tr>
<td>Operating Temp. Range (°C)</td>
<td>5 ~ 40</td>
</tr>
<tr>
<td>Electrical Supply Current</td>
<td>250 mA</td>
</tr>
<tr>
<td>Response Time (Typ.)</td>
<td>ON: 600 ms, OFF: 600 ms</td>
</tr>
<tr>
<td>Wetted Materials Body</td>
<td>PPS, PEEK</td>
</tr>
<tr>
<td>Wetted Materials Diaphragm</td>
<td>FPM, EPDM, FFKM</td>
</tr>
</tbody>
</table>

Dimensions

<table>
<thead>
<tr>
<th>Power Source</th>
<th>Resistor</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 VDC Power Supply</td>
<td>45 Ω 5 W</td>
</tr>
<tr>
<td>AA battery x 2</td>
<td>10 Ω 1 W</td>
</tr>
</tbody>
</table>

Cautions concerning Power Supply
1. Power supply by a constant current circuit is recommended.
2. Operation by 12 VDC power supply or batteries is also possible, but a resistor must be inserted between the valve and the power source. See diagram on right.
3. If you operate the valve by any other method, the shape memory alloy may burn out, resulting in the valve malfunctioning.

Note: Details including specifications may change without notification.