The 3-Way Pneumatic Operating Valve (model CO) is pilot operated, and designed for high flow applications. The 3-way valve is available in sizes ¼", ½", 1", 1 ½" and 2". The valve can be used in one or more synchronous units piloted by a pneumatic pressure switch or solenoid valve (or both) in order to achieve safety, trip or shut down function.

**Key features**

Exclusive manifold mounting system. It is a special STI application to connect our accessories. Fittings or nipples are not necessary as the connection is achieved using machined connection faces with sealing ‘o’ ring. This system saves time for assembly, reduces cost on items such as fittings, reducing inventory and the shortened dimensions save space.

**Suitable for:**
- Standard, offshore, sandstorm and copper-free ambient conditions
- Single and double acting actuators
- Low and high ambient temperature

**Benefits**

- **Size 1/4”**
  2x3 way valves in one body, reduced dimensions
- **Sizes 1 1/2” - 2”**
  Pilot quick exhaust valve included
- **Sizes 1 1/2” - 2”**
  Large size 3 way valve with a special device to switch quickly when in the de-energized position, even when controlled by a low CV pilot
- **Sizes 1/2” - 1” - 1 1/2” - 2”**
  Perfect tight shut off regardless of the flow direction up to 7 bar with pilot pressure over 2 bar when energized
- **Sizes 1/2” - 1” - 1 1/2” - 2”**
  SIL 3 certified
## Technical specifications

<table>
<thead>
<tr>
<th></th>
<th>1/4&quot;</th>
<th>1/2&quot;</th>
<th>1&quot;</th>
<th>1 1/2&quot;</th>
<th>2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Materials</strong></td>
<td>Anodized aluminum</td>
<td>Stainless steel 316</td>
<td>Painted RAL 7001 aluminium</td>
<td>Stainless steel 316</td>
<td></td>
</tr>
<tr>
<td><strong>CV max</strong></td>
<td>Inlet = 1  Outlet = 1</td>
<td>Inlet = 2.5  Outlet = 2.5</td>
<td>Inlet = 6.5  Outlet = 6.5</td>
<td>Inlet = 10.5  Outlet = 13</td>
<td>Inlet = 45  Outlet = 45</td>
</tr>
<tr>
<td><strong>Port size</strong></td>
<td>Pilot signal = 1/8&quot; NPT  Others = 1/4&quot; NPT</td>
<td>Pilot signal = 1/8&quot; NPT  Others = 1/2&quot; NPT</td>
<td>Pilot signal = 1/4&quot; NPT  Others = 1&quot; NPT or manifold mounting</td>
<td>Pilot signal = 1/4&quot; NPT  Others = 1 1/2&quot; NPT or manifold mounting</td>
<td>Pilot signal = 1/4&quot; NPT  Others = 2&quot; NPT or manifold mounting</td>
</tr>
<tr>
<td><strong>Operating pressure</strong></td>
<td>P min = 2.5 bar  P max = 7 bar  Design pressure = 10 bar</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>-20°C / +70°C  -40°C / +70°C available on request  -20°C / +85°C available on request</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>Aluminum = 0.5 kg  Stainless steel 316 = 1.7 kg</td>
<td>Aluminum = 1 kg  Stainless steel 316 = 1.5 kg</td>
<td>Aluminum = 2.2 kg  Stainless steel 316 = 5.1 kg</td>
<td>Aluminum = 4.5 kg  Stainless steel 316 = 10 kg</td>
<td>Aluminum = 4.5 kg  Stainless steel 316 = 11 kg</td>
</tr>
</tbody>
</table>

* Lower or higher temperatures available on request

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### Dimensional Drawing for 1/4"

- [Image of Dimensional Drawing for 1/4"
- [Image of 1/4" aluminium]
- [Image of 1/4" stainless steel 316]
CO: 3-Way Pneumatic Operating Valve

Dimensional Drawing for 1/2"

Dimensional Drawing for 1"

CO 1/2" stainless steel manifold mounting

CO 1/2" aluminium manifold mounting

CO 1/2" stainless steel 316 manifold mounting

CO 1" aluminium manifold mounting

CO 1" stainless steel manifold mounting
**Dimensional Drawing for 1\(\frac{1}{2}\)“**

- CO 1\(\frac{1}{2}\)“ aluminium manifold mounting
- CO 1\(\frac{1}{2}\)“ stainless steel 316 manifold mounting

**Dimensional Drawing for 2“**

- CO 2“ aluminium manifold mounting