### coaxial valve

**type** MK 10 DR - 40 bar  
MK 10 DR - 100 bar

<table>
<thead>
<tr>
<th>3/2 way valve</th>
<th>direct acting</th>
</tr>
</thead>
<tbody>
<tr>
<td>pressure range</td>
<td>PN 0-40 / 0-100 bar</td>
</tr>
<tr>
<td>orifice</td>
<td>DN 10 / 8 mm</td>
</tr>
<tr>
<td>connection</td>
<td>valve</td>
</tr>
<tr>
<td>function</td>
<td>normally closed (A ► B) symbol NC</td>
</tr>
<tr>
<td>symbol</td>
<td>normally open (A ► B) symbol NO</td>
</tr>
</tbody>
</table>

**design**
- pressure balanced, with spring return, switching overlap

**body materials**
- brass
- stainless steel

**valve seat material**
- synthetic resin on metal

**seal materials**
- PTFE, FPM, EPDM

---

### Details needed
- orifice
- port
- function NC/NO
- operating pressure
- inlet pressure at A, B or C
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

---

### Specifications

<table>
<thead>
<tr>
<th>port</th>
<th>.mk</th>
<th>G1/4 - G3/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>function</td>
<td>NC</td>
<td>NO</td>
</tr>
<tr>
<td>pressure range</td>
<td>bar</td>
<td>0-40 / 0-100</td>
</tr>
<tr>
<td>K&lt;sub&gt;v&lt;/sub&gt; value</td>
<td>m&lt;sup&gt;-3&lt;/sup&gt;/h</td>
<td>2.2 / 1.4</td>
</tr>
<tr>
<td>leak rate</td>
<td>mbar•l•s&lt;sup&gt;-1&lt;/sup&gt;</td>
<td>&lt;10&lt;sup&gt;-4&lt;/sup&gt;</td>
</tr>
<tr>
<td>pressure-vacuum</td>
<td>≤ P&lt;sub&gt;1&lt;/sub&gt;</td>
<td>see pressure range</td>
</tr>
<tr>
<td>back pressure</td>
<td>≤ P&lt;sub&gt;2&lt;/sub&gt;</td>
<td>upon request</td>
</tr>
<tr>
<td>media</td>
<td>gaseous - liquid - contaminated</td>
<td></td>
</tr>
</tbody>
</table>

**Abrasive media**
- opening
- closing

**Damping**
- see pressure range

**Flow direction**
- opening 135°
- closing 20°

**Switching time**
- opening 135°
- closing 20°

**Media temperature**
- DC: -10 to +80°C
- AC: -10 to +80°C

**Ambient temperature**
- DC: -30 to +120°C
- AC: -30 to +120°C

**Limit switches**
- manual override
- approvals
- mounting
- weight
- additional equipment

**Electrical specifications**
- nominal voltage
- actuation
- max. voltage
- max. current
- insulating rating
- IP rating
- energized duty rating
- connection
- power consumption
- explosion proof
- limit switches

---

*Above stated body materials refer to the valve port connections that get in contact with the media only!*

*The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.*

*If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.*
**Function:**
- **NC**: Closed when not energized (A ► B)
- **NO**: Open when not energized (A ► B)

**Type:**
- **MK 10 DR - 40 bar**
- **MK 10 DR - 100 bar**

*müller co-ax shall retain the rights to these documents. Modifications to the documents are strictly prohibited.*