2/2-way coaxial valve Ex

**Type 290**

*direct acting*

<table>
<thead>
<tr>
<th>Function A</th>
<th>Function B</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC (normally closed)</td>
<td>NO (normally open)</td>
</tr>
</tbody>
</table>

![Diagram of 2/2-way coaxial valve Ex Type 290](image)

**Specifications**

- **Diameter**: DN 10, DN 15
- **Pressure Range**: 0 – max. 20 bar, backpressure leakproof up to max. 16 bar
- **Body Material**: brass, AISI 303, AISI 316
- **Seal Material**: static: PTFE, dynamic: PTFE, seat seal: PTFE
- **Temperature**
  - Media: -20 up to +40°C
  - Ambient: -30 up to +40°C
- **Connection**: G1/4 – G3/4
- **Flow Direction**: P → A max. 20 bar, A → P max. 16 bar
- **Electrical Connection**: cable connection M 16x1,5
- **Nominal Voltage**: 230V 50Hz, 24V DC
- **Voltage Tolerance**: +/- 10% acc. VDE 0580
- **Duty Factor**: 100% ED
- **Explosion Proof**: II 2G Ex em II T4, II 2 D Iia IIIF T130°C
- **Mounting**: in any position
**2/2-way coaxial valve Ex**

<table>
<thead>
<tr>
<th>type</th>
<th>DN [mm]</th>
<th>pressure range [bar]</th>
<th>connection</th>
<th>flow rate [m³/h]</th>
<th>power consumption [W]</th>
<th>weight - brass [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>290</td>
<td>10</td>
<td>0 – 20</td>
<td>G1/4, G3/8, G1/2</td>
<td>2.5</td>
<td>23</td>
<td>2.3</td>
</tr>
<tr>
<td>290</td>
<td>15</td>
<td>0 – 20*</td>
<td>G3/8, G1/2, G3/4</td>
<td>5.2</td>
<td>30</td>
<td>4.3</td>
</tr>
</tbody>
</table>

**sectional drawing**

**Description of parts:**

<table>
<thead>
<tr>
<th>pos</th>
<th>quantity</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>adapter fitting</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>valve seat</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>plunger</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>solenoid</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>cable connection</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>spring</td>
</tr>
<tr>
<td>7</td>
<td>2</td>
<td>PTFE-rod seal</td>
</tr>
</tbody>
</table>
Type code

Structure of the order specification:

- **Voltage:**
  - 230V 50Hz
  - 240V = 24V DC

- **Seal:**
  - F = NBR (optional)
  - E = EPDM (optional)

- **Connection:**
  - G14 = G1/4
  - G33 = G3/8
  - G12 = G1/2
  - G34 = G3/4

- **Material:**
  - M0 = brass
  - V2 = AISI 303
  - V4 = AISI 316

- **Diameter:**
  - 10 = DN 10
  - 15 = DN 15

- **Electrical Option:**
  - 00 = without option

- **Mechanical Option:**
  - 00 = without option
  - 07 = special connection
  - 08 = manual override
  - 12 = vacuum version
  - 15 = mounting brackets
  - 16 = free of oil and grease

- **Function:**
  - A = "NC"
  - B = "NO"

- **Type:**
  - 280 = pressure range
  - DN 10 – DN15: 0 – 20bar
2/2-way coaxial valve Ex

Table:

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>10</td>
<td>23,5</td>
<td>30</td>
<td>7</td>
<td>50</td>
<td>112,5</td>
</tr>
<tr>
<td>15</td>
<td>10,5</td>
<td>22,5</td>
<td>45</td>
<td>7</td>
<td>70</td>
<td>139</td>
</tr>
</tbody>
</table>

We gladly coordinate further options and accessories according to your requirements.