Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.

> Port size: DN 10, G1/2
> Functional design
> Compact solenoid with integrated core tube
> Valve operates without differential pressure

**Technical features**

**Medium:** Neutral gases and liquids

**Switching function:** Normally closed

**Operation:** Solenoid actuated, with forced lifting

**Mounting position:** Optional, preferably solenoid vertical on top

**Flow direction:** Determined

**Fluid temperature:**
- –10 ... +90°C (+14 ... +194°F)
- –10 ... +50°C (+14 ... +122°F)

**Operating pressure:** 0 ... 10 bar (0 ... 145 psi)

**Voltage tolerance:** ±10%

**Shock and vibration tested to EN 61373, Category 1, class B**

**Material:**
- Body: Brass (CW617N), PA66
- Seat seal: NBR
- Internal parts: Stainless steel, PVDF

For contaminated fluids insertion of a strainer is recommended.

**Technical data**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Port size</th>
<th>Orifice (mm)</th>
<th>Valve length (mm)</th>
<th>Flow kv value *1) (m³/h)</th>
<th>Operating pressure *2) (bar)</th>
<th>Weight (kg)</th>
<th>Model</th>
<th>Solenoid in V d.c.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>G1/2</td>
<td>10</td>
<td>60</td>
<td>1.7</td>
<td>0 ... 10</td>
<td>0.6</td>
<td>8253200.8000.02400</td>
<td></td>
</tr>
</tbody>
</table>

*1) Cv-value (US) = kv value x 1.2

*2) For gases and liquid fluids up to 25 mm²/s (cSt)
8253200.8000.02400
2/2-way diaphragm valves

Standard solenoid systems

<table>
<thead>
<tr>
<th>Code Voltage</th>
<th>Code Frequency</th>
<th>Voltage</th>
<th>Frequency</th>
<th>Power consumption Inrush</th>
<th>Power consumption Holding</th>
</tr>
</thead>
<tbody>
<tr>
<td>024</td>
<td>00</td>
<td>24 V d.c.</td>
<td>-</td>
<td>12 W</td>
<td>12 W</td>
</tr>
</tbody>
</table>

Further versions on request!

Electrical details for all solenoid systems

- **Design**: DIN VDE 0580
- **Voltage range**: ±10%
- **Duty cycle**: 100% ED
- **Protection class**: EN 60529 IP65
- **Socket**: Form A acc. to DIN EN 175301-803 (included)

According to DIN VDE 0580 at a solenoid temperature of +20°C. At operating state temperature the input power of a coil decreases by up to ca. 30% due to physical reasons.

Dimensions

- **Projection/First angle**
- **Solenoid rotatable 360°**
- **Socket turnable 4 x 90°** (Socket included)

<table>
<thead>
<tr>
<th>Port size R</th>
<th>H</th>
<th>H1</th>
<th>L</th>
<th>T</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1/2</td>
<td>90</td>
<td>75</td>
<td>60</td>
<td>15</td>
<td>8253200.8000.02400</td>
</tr>
</tbody>
</table>

Note to Pressure Equipment Directive (PED):

The valves of this series are according to Art. 4 § 3 of the Pressure Equipment Directive (PED) 2014/68/EU. This means interpretation and production are in accordance to engineers practice well-known in the member countries. The CE-sign at the valve does not refer to the PED. Thus the declaration of conformity is not longer applicable for this directive.

Note to Electromagnetic Compatibility Guideline (EMC):

The valves shall be provided with an electrical circuit which ensures the limits of the harmonised standards EN 61000-6-3 and EN 61000-6-1 are observed, and hence the requirements of the Electromagnetic Compatibility Guideline 2014/30/EU satisfied.