> Port size: DN 25, G1
> Valve operates without differential pressure
> Valve with PTFE piston guide rings
> Suitable for vacuum
> Damped operation

> Shock and vibration tested to EN 61373, Category 1, class B
> Voltage tolerance ±30%

**Technical features**

**Medium:**
Air, water and oil

**Switching function:**
Normally open

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

**Mounting position:**
Solenoid vertical on top

**Flow direction:**
Determined

**Technical data - standard models**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Port size</th>
<th>Orifice (mm)</th>
<th>Flow kv value *1) (m³/h)</th>
<th>Operating pressure *2) (bar)</th>
<th>Weight (kg)</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>G1</td>
<td>25</td>
<td>10</td>
<td>0 ... 6</td>
<td>2.2</td>
<td>8591099.8402.02400</td>
</tr>
</tbody>
</table>

*1) Cv-value (US) = kv value × 1.2
*2) For gases and liquid fluids up to 40 mm²/s (cSt)

**Material:**
Body: Brass (CW617N)
Seat seal: NBR-K
Internal parts: Stainless steel, PTFE/Carbon, Brass

For contaminated fluids insertion of a strainer is recommended.
**Standard solenoid systems**

*Voltage and Frequency Solenoid 8402*

<table>
<thead>
<tr>
<th>Code</th>
<th>Voltage</th>
<th>Frequency</th>
<th>Power consumption</th>
<th>Holding</th>
</tr>
</thead>
<tbody>
<tr>
<td>024</td>
<td>00</td>
<td>24 V d.c.</td>
<td>29 W</td>
<td>29 W</td>
</tr>
</tbody>
</table>

Further versions on request!

**Electrical details for all solenoid systems**

<table>
<thead>
<tr>
<th>Design</th>
<th>DIN VDE 0580</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage range</td>
<td>±30%</td>
</tr>
<tr>
<td>Duty cycle</td>
<td>100% ED</td>
</tr>
<tr>
<td>Protection class</td>
<td>EN 60529 IP65</td>
</tr>
<tr>
<td>Socket</td>
<td>Form A acc. to DIN EN 175301-803 (included)</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Port size R</th>
<th>ø A</th>
<th>H</th>
<th>H1</th>
<th>L</th>
<th>L1</th>
<th>T</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1</td>
<td>62</td>
<td>195</td>
<td>175</td>
<td>95</td>
<td>44</td>
<td>18</td>
<td>8591099.8402.02400</td>
</tr>
</tbody>
</table>

**Note to Pressure Equipment Directive (PED):**

The valves of this series, including the connection size DN 25 (G1), 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 wellknown in the member countries. The CE-sign at the valve refers not to the PED. Thus the declaration of conformity is not longer applicable for this directive.

For valves > DN 25 (G1) Art. 3 § (1) No.1.4 applies:

The basic requirements of the Enclosure I of the PED must be fulfilled. The CE-sign at the valve includes the PED. A certificate of conformity of this directive will be available on request.

**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.