Technical features

Medium:
Water

Switching function:
Normally closed

Operation:
Directly solenoid actuated

Type:
Seat valve operating without differential pressure

Mounting position:
Optional, preferably solenoid vertical on top

Flow direction:
Determined

Port size: G1/4, DN 4,5
Operating pressure: 0 ... 1,5 bar (0 ... 21,8 psi)
Fluid temperature: 0 ... +60°C (+32 ... +140°F)
Ambient temperature: 0 ... +50°C (+32 ... +122°F)

Material:
Body: Brass
Seat seal: EPDM
Internal parts: PTFE-bellows

For contaminated fluids (particle > 1 mm) insertion of a strainer is recommended.

Technical data

<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 Solenoid in V d.c.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>G1/4</td>
<td>4,5</td>
<td>0,42</td>
<td>0 ... 1,5</td>
<td>0,4</td>
<td>8499986.8264.02400</td>
</tr>
</tbody>
</table>

*1) Cv-value (US) = kv value x 1,2

*2) For gases and liquid fluids up to 80 mm²/s (cSt)
Standard solenoid systems

<table>
<thead>
<tr>
<th>Voltage and Frequency Solenoid 8264</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Code Voltage</td>
<td>024</td>
</tr>
<tr>
<td>Code Frequency</td>
<td>00</td>
</tr>
<tr>
<td>Voltage</td>
<td>24 V d.c.</td>
</tr>
<tr>
<td>Frequency</td>
<td>-</td>
</tr>
<tr>
<td>Power consumption</td>
<td>10 W</td>
</tr>
<tr>
<td>Inrush</td>
<td>10 W</td>
</tr>
</tbody>
</table>

Further versions on request!

Electrical details for all solenoid systems

- **Design**: DIN VDE 0580
- **Voltage range**: 16 ... 32 V
- **Duty cycle**: 100% ED
- **Protection class**: EN 60529 IP65/IP00
- **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

<table>
<thead>
<tr>
<th>Port size R</th>
<th>Orifice (mm)</th>
<th>H</th>
<th>H1</th>
<th>L</th>
<th>T</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1/4</td>
<td>4,5</td>
<td>81</td>
<td>70</td>
<td>44</td>
<td>10</td>
<td>8499986.8264.02400</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.