> Port size: DN 25, G1
> Easy rebuilding into «normally open» or «double-acting» without tools
> Optical position indicator is standard
> Damped closing (Valves close against flow direction)
> Suitable for contaminated flow fluid

> Suitable for vacuum up to max. 90%
> Reversed flow direction optional
> High flow rate
> Option pressure actuated by external liquid fluid
> Shock and vibration tested to EN 61373, Category 1, class B

**Technical features**

Medium:
Neutral gases and liquids

Pilot fluid:
Neutral gases max. +60°C (+14°F)

Switching function:
Normally closed

Operation:
Pressure actuated by external fluid

Mounting position:
Optional

Flow direction:
Determined

Port size:
G1, DN 25

Pilot connection:
G1/4

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

Pilot pressure:
3,5 ... 10 bar (51 ... 145 psi)

Fluid temperature:
–10 ... +180°C (+14 ... +356°F)

Ambient temperature:
–10 ... +60°C (+14 ... +140°F)

Material:
Process fluid characteristics:
Body: Dezincification Brass (CW617N)
Seat seal: PTFE
Internal parts: Brass, Stainless steel
Spindle sealing: PTFE / FPM, self-adjustable
Pilot fluid characteristics:
Body: Polyamid 66 with glass fibre 30%
Seat seals: NBR
Internal parts: Brass, Stainless steel

**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 *3) (kg)</th>
<th>Model *3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8450400.0000.00000</td>
<td>G1</td>
<td>25</td>
<td>14</td>
<td>0 ... 10</td>
<td>1,8</td>
<td></td>
</tr>
</tbody>
</table>

*1) Cv-value (US) = kv value x 1,2
*2) For gases and liquid fluids up to 600 mm²/s (cSt)
*3) Without pilot valve

©-Note:
For hazardous areas, e.g. Zone 1/2 or 21/22, the kit 1264287 is required.
It contains an additional sign, a silencer as dust shield and a conformity explanation.
The maximum fluid temperature is reduced to 85°C.
Notes
for 3/2-way pilot valve 8495236.9784

<table>
<thead>
<tr>
<th>Material</th>
<th>Body Brass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilot fluid temperature</td>
<td>max. +60°C</td>
</tr>
<tr>
<td>Pilot pressure</td>
<td>0 ... 10 bar</td>
</tr>
<tr>
<td>Standard voltages</td>
<td>24 V d.c., 110 V a.c.</td>
</tr>
</tbody>
</table>

Electrical Data
for 3/2-way pilot valve 8495236.9784

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

Further versions on request!
Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. © 2015 Buschjost GmbH

**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 satisfield.

### Dimensions

<table>
<thead>
<tr>
<th>Port size R</th>
<th>ø B</th>
<th>H</th>
<th>H1</th>
<th>L</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1</td>
<td>89.5</td>
<td>191</td>
<td>174</td>
<td>90</td>
<td>41</td>
</tr>
</tbody>
</table>

8450400.0000.00000

Actuator may be rotated 360°

<era-embed type="table" id="port-size-table" title="Dimensions" header-rows="1" header-columns="1">

<table>
<thead>
<tr>
<th>Port size R</th>
<th>ø B</th>
<th>H</th>
<th>H1</th>
<th>L</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1</td>
<td>89.5</td>
<td>191</td>
<td>174</td>
<td>90</td>
<td>41</td>
</tr>
</tbody>
</table>

8450400.0000.00000

Actuator may be rotated 360°