Diaphragm Valve Type 604 / 605

Packs a punch

The full-plastic diaphragm valve 604 / 605 with integrated pneumatic actuator from GF Piping Systems ensures best flow performance in compact design. With this corrosion free valve we offer an additional product with the most economic price-performance ratio which is suitable for many applications.

**Easy installation and operation**
- The compact design enables installation in limited spaces
- No re-torqueing needed due to full plastic design without metal parts and screws
- Radially dismountable due to true unions
- Maintenance free
- Same installation length as all GF diaphragm valves and market standard valves
- Integrated optical position feedback
- QR-Code on valve leads to online available product documents

**High safety**
- Uniform temperature expansion of plastic/plastic connection prevents leakages
- High chemical resistance due to large material range

**High Flexibility**
- Operation options: FC, FO, DA
- Diaphragms available in PTFE, FKM, EPDM for neutral and aggressive media
- Various connection options with true union or spigot version
- Available Standards: Metric, ASTM, BS, JIS
- Best quality and reliability for high number of cycles
- Long lifetime

**Best flow performance**
- Linear flow characteristic for simple valve control
- Optimized flow geometry with soft transitions and radii doubles the flow rate
- Suitable for media with low number of particles/solids

**Applications**
- Chemical Process Industry
- Dosing
- Water Treatment
Technical Data

Dimension
DN 15 (1/2")

Pressure Rating
PN 6

Body
PVC-U / CPVC (Polyvinylchlorid)
PP-H (Polypropylen)
PVDF (Polyvinylidenfluorid)
Other materials on request

Diaphragms
PTFE with EPDM Backing Diaphragm
PTFE with FKM Backing Diaphragm
EPDM
FKM

Valve Housing
PP-GF (orange)

Connections
Type 604:
Body with true union connection to match all standard GF unions and end-connections

Type 605:
Body with cementing resp. welding spigots

Available on request:
Various inserts from the GF range

Mounting
Threaded inserts for safe mounting on valve body

Flow
Double flow rate compared to a typical diaphragm valve

Standards
ISO 9393
EN 12266

Pressure-Temperature Diagram
The following Pressure-Temperature Diagram is based on a lifetime of 25 years with water or similar media.

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<table>
<thead>
<tr>
<th>DN</th>
<th>d</th>
<th>inch</th>
<th>Kv 100</th>
<th>Cv100</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>20</td>
<td>1/2&quot;</td>
<td>125</td>
<td>7.5</td>
</tr>
</tbody>
</table>

Kv Values

KV 100 at pressure differential p = 1 bar
CV 100 at pressure differential p = 1 psi

Features

- Springs for different functionalities available
- Index plate for identification of diaphragm and housing position
- Position indicator
- Piston
- Housing with plastic/plastic connection
- Valve Body
- Diaphragm

The technical data are not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guaranteed durability. They are subject to modification. Our General Terms of Sale apply.

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