> Flow of a 8 mm valve in a 6,5 mm footprint, without usual manufacturing constraints

> One-screw mount

> Solder free / direct connection on PCB

> Captive seals

Technical features

Medium: Air, oxygen, neutral gases, 40 µm filtered

Operation: Direct acting 2-way and 3-way valves, normally closed and normally opened

Operating pressure: 0 … 2,5 bar

Flow: See technical data - standard models

Leakage:
- Internal leakage: 10-2 mbar l/s
- External leakage: 10-2 mbar l/s

Mounting:
- Manifold with M3 mounting screw
- See technical data - standard models

Response time:
- Pneumatic response time (ON): 5 ms
- Pneumatic response time (OFF): 10 ms
- Response time measured according to ISO 12238

Life expectancy: 50'000'000 cycles

Weight: 8 g

Ambient/Media temperature: 0° … +50°C (+32°…+122°F)

Materials in contact with the fluid:
- Body: PPS
- Seals: NBR, FPM
- Internal parts: stainless steel, HNBR, FPM

Electrical details

Voltage: 24 V d.c.

Rating: 100 % E.D.

Voltage tolerance: ± 5 %

Power consumption: 0,8 W

Insulation resistence: 2 Mohm at 100 V d.c.

Protection class: IP 51

Insulation class: E180

Electrical connection: PAD (0.4 µm galvanic gold over nickel)

Technical data - Standard models

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Operation</th>
<th>Orifice (mm)</th>
<th>kv*1) (l/min)</th>
<th>Pmax (bar)</th>
<th>Pneumatic connection</th>
<th>Orientation</th>
<th>Electrical connection</th>
<th>Voltage</th>
<th>Seals</th>
<th>Model</th>
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<tbody>
<tr>
<td>2/2 NC</td>
<td>0.9</td>
<td>0.26 - 2.5</td>
<td>FLANGE B03</td>
<td>PAD 24V</td>
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<td>15-211P009HH+1126010+AWI</td>
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<td>0.24 - 2.4</td>
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<td>BARB FITTINGS 24V</td>
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*1) Cv = 0.07 kv

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Insulation class: E180

Electrical connection: PAD (0.4 µm galvanic gold over nickel)
Accessories

Test manifold with Molex connector

S151.0013  S151.0034

Orientations

B01  B03

Dimensions

FLEXISOL, Flange and PAD (B03)

Sealing Area

Metallic part

Fixing screw M3x16 tightening torque 0.3±0.05 Nm
FLEXISOL, Flange and Flying leads (B01)

FLEXISOL, Barb Fittings and Flying leads (B03)

- Metallic part
- Fixing screw M3x16 tightening torque 0.3±0.05 Nm
Warning

These products are intended for use in air, oxygen and neutral gas systems only. Do not use these products where pressures and temperatures can exceed those listed under «Technical features/data». Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult IMI Precision Engineering, Fluid Automation Systems s.a.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.