**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

**Orifice:**
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

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**Electrical details**

| Voltage: | 24 V d.c.
| Rating: | 100 % E.D.
| Voltage tolerance: | ± 5 %
| Power consumption: | 0,8 W
| Insulation resistance: | 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>Orifice (mm)</th>
<th>kv *1) (l/min)</th>
<th>Pmax (bar)</th>
<th>Seal</th>
<th>Seat</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>2/2 NC</td>
<td>0,8</td>
<td>0,2</td>
<td>-</td>
<td>2,5</td>
<td>NBR, HNBR</td>
</tr>
<tr>
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<td>-</td>
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<td>FPM, FPM</td>
</tr>
<tr>
<td>12</td>
<td>2/2 NC</td>
<td>0,9</td>
<td>0,26</td>
<td>-</td>
<td>0,8</td>
<td>NBR, HNBR</td>
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</tr>
</tbody>
</table>

*1) Cv = 0.07 kv

**Following options on request**

- Pneumatic connection
- Electrical connection
- Mounting screw
- Coil orientation
**Accessories**

<table>
<thead>
<tr>
<th>Test manifold</th>
<th>Test manifold with Molex connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 3</td>
<td>Page 3</td>
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<tr>
<td>S151.0034</td>
<td>S151.0013</td>
</tr>
</tbody>
</table>

**Dimensions**

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4.3 ± 0.2</td>
</tr>
<tr>
<td></td>
<td>0.6 ± 0.21</td>
</tr>
<tr>
<td></td>
<td>0.2 ± 0.005</td>
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<tr>
<td></td>
<td>19 -0.15</td>
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<tr>
<td></td>
<td>1,9 ± 0.05</td>
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<tr>
<td></td>
<td>6,4 ± 0.1</td>
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<tr>
<td></td>
<td>6,45 ± 0.2</td>
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<tr>
<td></td>
<td>10.5 Max.</td>
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<tr>
<td></td>
<td>12.2 Max.</td>
</tr>
<tr>
<td></td>
<td>1,2 Max.</td>
</tr>
<tr>
<td></td>
<td>0.02</td>
</tr>
<tr>
<td></td>
<td>Ø0,06</td>
</tr>
<tr>
<td></td>
<td>Ø0.06 A B C</td>
</tr>
<tr>
<td></td>
<td>Ø1,2 ± 0.03</td>
</tr>
<tr>
<td></td>
<td>0.8 Max.</td>
</tr>
<tr>
<td></td>
<td>0.8</td>
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<tr>
<td></td>
<td>-0.2</td>
</tr>
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<tr>
<td></td>
<td>Ø0.06</td>
</tr>
</tbody>
</table>

**Sealing area 3:1**
Test manifold
S151.0034

For tubing Ø3 OD

Dimensions in mm
Projection/First angle

Test manifold
S151.0013

For tubing Ø3 OD

Molex Pico-SPOX™ 0874380343

Test manifold
S151.0034

IMI FAS 6,5 mm FLEXISOL
Direct acting 2-way and 3-way valves

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (2016 - 5023c) © 2016 Fluid Automation Systems s.a.
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.