MINI SPOOL VALVES
solenoid air operated
Ø M5 - G1/8 - G1/4 tapped body adaptable on joinable subbases

519-520-521

GENERAL
Fluid
Air or neutral gaz, filtered, lubricated or not
Operating pressure
1.5 to 8 bar
Ambient temperature
+5°C to +50°C
Orifice size
series 519: 2.5 mm; series 520: 4 mm; series 521: 6 mm
Flow (Qv at 6 bar)
series 519: 175 l/min (ANR) - Kv: 2.5
series 520: 600 l/min (ANR) - Kv: 8.5
series 521: 1050 l/min (ANR) - Kv: 15

CONSTRUCTION
SPOOL VALVES
Body
Anodised white aluminium
Cover
POM (polyacetal)
Internal parts
Stainless steel, light alloy and POM (polyacetal)
Seals
NBR (nitrile)
Manual operator
Maintained, impulse
Latchable in hold position (push-turn)
PILOT
Seals
NBR (nitrile)
Electrical equipment
Conforming to NF C79300 standard
Coil and iron circuit
Encapsulated

ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>voltages</th>
<th>consumption</th>
<th>insulation class</th>
<th>protection degree</th>
<th>electrical connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>~ 24V, 115V, 230V - 50/60Hz</td>
<td>2 VA (1,5 W)</td>
<td>F</td>
<td>IP 65</td>
<td>spade plug size 15 connector, DIN 43650, 9,4 mm, industry standard B, rotatable by 90°</td>
</tr>
<tr>
<td>= 24V</td>
<td>1.6 W</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SPECIFICATIONS

<table>
<thead>
<tr>
<th>function symbol</th>
<th>operators</th>
<th>response time (ms)</th>
<th>voltages</th>
<th>catalogue number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>solenoid air operated</td>
<td></td>
<td>serie 519</td>
<td>serie 520</td>
</tr>
<tr>
<td>5/2</td>
<td>pilot (14) return</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>spring return</td>
<td></td>
<td>20</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>differential</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>return</td>
<td></td>
<td>20</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>solenoid air</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>return</td>
<td></td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pressure held</td>
<td>W1</td>
<td></td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>pressure applied</td>
<td>W2</td>
<td></td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>pressure release</td>
<td>W3</td>
<td></td>
<td>20</td>
<td>50</td>
</tr>
</tbody>
</table>

OPTIONS AND ACCESSORIES

UR approval « UL Recognized » 24V =~/~ 612102
visual indicator (LED) and electrical protection ( ) 24V =~/~ 88130401
connector size 15 with cable, 2 m long 24V =~/~ 88130402
connector size 15 with built-in visual indication and protection, with cable outlet, 2 m long 24V =~/~ 88143567
Flange for ports 2 - 4 with instant fittings for flexible tube 6 mm O.D. (series 520) 24V =~/~ 88135532

SUBBASES: possible mounting on joinable subbases ( ). Fixing screws and seals are supplied with subbases

All leaflets are available on: www.asco.com

34 - Pneumatic Valves (5/2 - 5/3)
### MINI SPOOL VALVES 5/2-5/3 - SERIES 519-520-521

**DIMENSIONS (mm), WEIGHT (kg)**

#### 5/2 differential return and spring return

- Series A: 519, 520, 521
- Weight: 519 0.085, 520 0.095, 521 0.155

#### 5/2 solenoid air return

- Series A: 519, 520, 521
- Weight: 519 0.135, 520 0.160, 521 0.200

#### 5/3 solenoid air return

- Series A: 519, 520, 521
- Weight: 519 0.140, 520 0.170, 521 0.210

---

All leaflets are available on: www.asco.com

Pneumatic Valves (5/2 - 5/3) - 35

---

Availability, design and specifications are subject to change without notice. All rights reserved.