Series 3 and 4
mechanically operated sensor valves

3/2 and 5/2-way
Ports G1/8, G1/4

The particular mechanical device allows these end-stroke valves to operate with very low actuating forces. Series 3 has been designed with a mechanical lever device which works in negative pressure. To increase sensitivity it is possible to add to the lever a steel extension with ø 3 mm.

**GENERAL DATA**

<table>
<thead>
<tr>
<th>Construction</th>
<th>spool-type (servocontrolled)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve group</td>
<td>3/2, 5/2 way/pos.</td>
</tr>
<tr>
<td>Materials</td>
<td>aluminium body, stainless steel spool, NBR seals</td>
</tr>
<tr>
<td>Ports</td>
<td>G1/8, G1/4</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>0°C to 60°C</td>
</tr>
<tr>
<td>Medium temperature</td>
<td>0°C to 50°C</td>
</tr>
<tr>
<td>Operating pressure</td>
<td>see models</td>
</tr>
<tr>
<td>Fluid</td>
<td>Filtered air, without lubrication. If lubricated air is used, it is recommended to use ISO VG32 oil. Once applied the lubrication should never be interrupted.</td>
</tr>
</tbody>
</table>
**CODING EXAMPLE**

<table>
<thead>
<tr>
<th></th>
<th>3</th>
<th>3</th>
<th>8</th>
<th>-</th>
<th>D15</th>
<th>-</th>
<th>9A5</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>SERIES:</td>
<td>3</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>FUNCTION:</td>
<td>3 = 3/2-way NC</td>
<td>4 = 3/2-way NO</td>
<td>5 = 5/2-way</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>PORTS:</td>
<td>8 = G1/8</td>
<td>4 = G1/4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D15</td>
<td>ACTUATION:</td>
<td>D15 = pressure drop/spring</td>
<td>015 = pressure/spring</td>
<td>011 = pressure/pressure</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9A5</td>
<td>DEVICES:</td>
<td>9A5 = lever sensor, spring return</td>
<td>194 = plunger sensor, spring return</td>
<td>294 = plunger sensor, bistable</td>
<td>195 = lever/roller, spring return</td>
<td>295 = lever/roller, bistable</td>
<td></td>
</tr>
</tbody>
</table>

Valve

Operating pressure = 4 ÷ 10 bar.
Flow rate = 700 Nl/min.
Actuating force at 6 bar = 2N

The function of the valve is indicated by the symbol when operating between 4 and 10 bar.
Valve

Operating pressure = 4 ÷ 10 bar
Flow rate = 700 Nl/min
Actuating force at 6 bar = 2N

The function of the valve is indicated by the symbol when operating between 4 and 10 bar.
Valve
Operating pressure = 2.5 ÷ 8 bar
Flow rate = 650 Nl/min
Actuating force at 6 bar = 6 N

Mod.
458-015-194

Valve
Operating pressure = 2 ÷ 8 bar
Flow rate = 650 Nl/min
Actuating force at 6 bar = 6 N

Mod.
458-011-294

Valve
Operating pressure = 2.5 ÷ 8 bar
Flow rate = 1250 Nl/min
Actuating force at 6 bar = 6 N

Mod.
454-015-194

Valve
Operating pressure: 2 ÷ 8 bar
Flow rate = 1250 Nl/min
Actuating force at 6 bar = 6 N

Mod.
454-011-294
Valve
Operating pressure = 2.5 ÷ 8 bar
Flow rate = 650 Nl/min
Actuating force at 6 bar = 4 N

DIMENSIONS
Mod. 458-015-195

Valve
Operating pressure = 2 ÷ 8 bar
Flow rate = 650 Nl/min
Actuating force at 6 bar = 4 N

Valve
Operating pressure = 2.5 ÷ 8 bar
Flow rate = 1250 Nl/min
Actuating force at 6 bar = 4 N

Valve
Operating pressure = 2 ÷ 8 bar
Flow rate = 1250 Nl/min
Actuating force at 6 bar = 4 N

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