2/2 Directional Valve, Manually Operated, Poppet Type, Blocking, Direct Acting

ROR3-062

M22 x 1.5 • \( Q_{\text{max}} \) 35 l/min (9 GPM) • \( p_{\text{max}} \) 320 bar (4600 PSI)

**Technical Features**

- Hardened precision parts
- High flow capacity and leak-free closing
- Wide range of actuation alternatives
- Standard version zinc-coated (240 h corrosion protection in NSS acc. to ISO 9227)

**Functional Description**

A screw-in cartridge poppet valve manually operated by hand lever or push knob with a connecting thread M22x1.5. The bidirectional valve with a preferential flow direction 2 → 1 is designed for leakage free closing. In basic position the valve is closed. When adjusting the lever, the valve gradually opens against spring force and the flow increases up to the maximum.

**Technical Data**

<table>
<thead>
<tr>
<th>Valve size / Cartridge cavity</th>
<th>M22 x 1.5 / QG2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. flow</td>
<td>( l/min ) (GPM) 35 (9.2)</td>
</tr>
<tr>
<td>Max. operating pressure</td>
<td>( \text{bar} ) (PSI) 320 (4640)</td>
</tr>
<tr>
<td>Max. operating force</td>
<td>( \text{N} ) (lbf) see characteristics</td>
</tr>
<tr>
<td>Fluid temperature range (NBR)</td>
<td>( ^\circ \text{C} ) (°F) -30 ... +100 (-22 ... +176)</td>
</tr>
<tr>
<td>Fluid temperature range (FPM)</td>
<td>( ^\circ \text{C} ) (°F) -20 ... +120 (-4 ... +248)</td>
</tr>
<tr>
<td>Service life</td>
<td>cycles 10^6</td>
</tr>
<tr>
<td>Weight</td>
<td>kg (lbs) model 1 0.15 (0.33) 2 0.25 (0.55) 3 0.66 (1.46)</td>
</tr>
</tbody>
</table>

**Characteristics** measured at \( v = 32 \text{ mm}^3/s \) (156 SUS)

**Operating limits**

**Pressure drop related to flow rate**
Ordering Code

ROR3-06 2 - 00 - -

2/2 directional valve, manually operated, poppet type, blocking, direct acting
M22x1.5

Valve size

Number of valve positions

Flow restrictor
without flow restrictor

Surface treatment
A  zinc-coated (ZnCr-3), ISO 9227 (240 h)
B  zinc-coated (ZnNi), ISO 9227 (520 h)

No designation  V

Seals
NBR
FPM (Viton)

Actuation
1
plunger
2
hand push knob
3
hand lever

Subject to change · ROR3-062_4025_2en_07/2019
www.argo-hytos.com