Proportional valves pilot operated poppet type, 2-way flow regulator not compensated
Common cavity, Size 16

Technical data

### General
- **Weight**: 0.65 kg (1.4 lbs)
- **Installation position**: Any
- **Ambient temperature range**: -20 to 120 °C (-4 to 248 °F)
- **Salt spray test to DIN 50021**: 720 h

### Hydraulic
- **Max. operating pressure**
  - Port 1, 2: 350 bar (5075 psi)
- **Maximum Δp**: 350 bar (5075 psi)
  - (250 bar (3625 psi) for optimal metering and flow capacity)
- **Nominal flow**: 100 l/min. at 14 bar Δp
  - (26 gpm at 200 psi Δp)
- **Hysteresis**: Less than 7% up to 90% of I-MAX.
  - Less than 10% above 90% of I-MAX.
- **Recommended dither frequency (PWM)**: 100 Hz
- **Max. internal leakage**: 10 drops/min. (at Δp=150 bar; HLP46, \(T_{oil}=40°C\))
- **Fluid temperature range**: -20 to 80 °C (-4 to 176 °F)
- **Fluids**: Mineral-based or synthetics with lubricating properties at viscosities of 15 to 380 mm²/s (cSt)
- **Recommended degree of fluid contamination**
  - (NAS 8) / ISO 4406 19/17/14
- **Cavity**: CA-16A-2N see 18325-70
- **Load cycles**: 2 Mio.

### Spare parts
- **Cavity seal kit**: material no. R961011032
- **Coil nut**: material no. R901440340
- **Spacer ring**: material no. R901168656

### Electrical
- **Type of voltage**: DC voltage
- **Coil type**: GP37 see 18325-90

Note: coils must be ordered separately.
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Ordering code

<table>
<thead>
<tr>
<th>KSVSR3</th>
<th>A</th>
<th>A/</th>
<th>F</th>
<th>Y</th>
<th>V</th>
</tr>
</thead>
</table>

- Common cavity: CA-16A-2N
- without manual override N0
- with manual override N11

Seal material: FKM seals

Further types available by request

Preferred types

<table>
<thead>
<tr>
<th>Type</th>
<th>Material number</th>
</tr>
</thead>
<tbody>
<tr>
<td>KSVSR3AA/FN0V</td>
<td>R901404827</td>
</tr>
<tr>
<td>KSVSR3AA/FN11V</td>
<td>R901407153</td>
</tr>
</tbody>
</table>

Further types available by request
Characteristic curves

Compensated flow vs % of control current

Non compensated flow vs % of control current

Delta p 2 to 1 at 110% of Imax control current

Delta p 1 to 2

Above 250 bar (3625 psi) deltap the opening point will occur at higher current and flow capacity will be reduced.
Dimensions

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<table>
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<th>Dimensions [mm (inches)]</th>
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N0

- Hex 27
- Hex (1.05) 13x1.3 Nm
- GP37

- Hex 36
- Hex (1.42)

N11

- 1 5/8 12 UN-2B
- Ø 28.52 (1.12)

Spacer ring correct installation