Relief, pilot operated poppet type

Common cavity, Size 10

VSPC-10A

04.12.09 - X - 85 - Z

Description
Flow is blocked from 1 to 2 until pressure increases to meet the selected valve setting, lifting the conical, pilot-stage poppet from its seat. This action exhausts oil above the main-stage poppet (low-leakage, seat type), allowing it to shift and provide relief flow through 2 to tank. Pressure at 2 is additive to the relief setting of the valve.

Technical data

<table>
<thead>
<tr>
<th>Description</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. operating pressure port 1 (P)</td>
<td><strong>bar (psi)</strong>: 350 (5000)</td>
</tr>
<tr>
<td>Max. pressure admitted port 2 (T)</td>
<td><strong>bar (psi)</strong>: 210 (3000)</td>
</tr>
<tr>
<td>Flow range</td>
<td><strong>l/min. (gpm)</strong>: 3-80 (1-21)</td>
</tr>
<tr>
<td>Max. internal leakage (*)</td>
<td><strong>drops/min.</strong>: 15</td>
</tr>
<tr>
<td>Fluid temperature range</td>
<td><strong>°C (°F)</strong>: -30 to 100 (-22 to 212)</td>
</tr>
<tr>
<td>Installation torque</td>
<td><strong>Nm (ft-lbs)</strong>: 41-47 (30-35)</td>
</tr>
<tr>
<td>Weight (**)</td>
<td><strong>kg (lbs)</strong>: 0.21 (0.46)</td>
</tr>
</tbody>
</table>

Cavity
- CA-10A-2N
- See data sheet RE 18325-70

Seal kit (***)
- Code: RG10A2010530100
- Material no.: R901111366

Fluids
- Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm²/s (cSt)

Filtration
- Nominal value max. 10µm (NAS 8)
- ISO 4406 19/17/14

Installation
- No restrictions

Other general technical data
- See data sheet RE 18350-50

(*) Max. to 80% of nominal setting
(**) Standard version X=03 type
(***) Only external seals for 10 valves
Dimensions

OPTION
Tamper resistant cap
ordering code 11.04.23.002
Mat. no. R93000752

Leakproof hex. socket screw

Handknob and locknut

04.12.09 X 85 Z 00 *

Relief, pilot operated poppet type

Adjustments
= 03 Leakproof hex.socket screw
= 04 Handknob and locknut

Common cavity, Size 10

Version and options standard

SPRINGS

<table>
<thead>
<tr>
<th>Adj. pressure range bar (psi)</th>
<th>Pres. increase bar/turn (psi/turn)</th>
<th>Std. setting bar (psi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>for X=03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>= 10</td>
<td>35-140 (500-2000)</td>
<td>100 (1450)</td>
</tr>
<tr>
<td>= 20</td>
<td>70-280 (1000-4000)</td>
<td>200 (2900)</td>
</tr>
<tr>
<td>= 35</td>
<td>140-350 (2000-5000)</td>
<td>350 (5000)</td>
</tr>
<tr>
<td>for X=04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>= 35</td>
<td>35-350 (500-5000)</td>
<td>350 (5000)</td>
</tr>
</tbody>
</table>

Note: Special settings available. Contact factory authorized representative for ordering code

Type | Material number
--- | ----------------
041209038510000 | R901109728
041209038520000 | R901109729
041209038530000 | R901109730
041209048530000 | R930005637

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Subject to change.