Pressure Control.
Direct Acting Relief Valve - Size 10.

Up to 275 bar - 30 lpm

This is a direct-acting poppet type relief valve, typically used to provide relief protection in low and fixed flow circuits. It is fast acting and dirt tolerant with good hysteresis characteristics and is ideal for service line protection.

Operation
The D-DERVA blocks flow from (2) to (1) until sufficient pressure is present at (2) to force the poppet to open and allow metered flow from (2) to (1).

The cartridge offers smooth transition in response to load changes in common hydraulic circuits.

Adjustment
Turn \( \bigcirc \) to increase pressure.

Features
• Hardened parts for long life.
• Industry common cavity.

Performance
32 cSc / 38°C.

Specifications
<table>
<thead>
<tr>
<th>Nom. Flow (lpm)</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Pressure (bar)</td>
<td>275</td>
</tr>
<tr>
<td>Hydraulic Oil</td>
<td>General purpose hydraulic fluid</td>
</tr>
<tr>
<td>Viscosity Range</td>
<td>3 to 640 cSt</td>
</tr>
<tr>
<td>Filtration</td>
<td>ISO 18/16/13</td>
</tr>
<tr>
<td>Operating Temp.</td>
<td>-40 to 120°C</td>
</tr>
<tr>
<td>Cartridge Torque</td>
<td>41 Nm</td>
</tr>
<tr>
<td>Cavity</td>
<td>DE10-2 (see cavity data page CAV-DE10-2)</td>
</tr>
<tr>
<td>Spare Seal Kit (Viton)</td>
<td>SK-DDEVHA</td>
</tr>
<tr>
<td>Weight - Valve only</td>
<td>0.25 kg</td>
</tr>
<tr>
<td>Weight - Valve + Body</td>
<td>0.48 kg (alum) 0.90 kg (steel)</td>
</tr>
</tbody>
</table>
Pressure Control.
Direct Acting Relief Valve - Size 10.

Dimensions

[mm]

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>19.1</th>
<th>21.1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>38.1</td>
<td>38.1</td>
</tr>
<tr>
<td></td>
<td>50.8</td>
<td></td>
</tr>
</tbody>
</table>

1/2 -20 UNF 2A THREAD

7/8 -14 UNF 2A THREAD

Ordering Code

D-DERVA

**

* * *

Options

00 - Nitrile
V0 - Viton
0K - Nitrile, Knob
VK - Viton, Knob

Pressure setting

1500 - 14 to 103 bar
3000 - 103 to 207 bar
4000 - 172 to 275 bar

Port size (BSP)

B - 3/8”
C - 1/2”

Options - See page B-DDE

No. of ports

2 - 2 ports

Body material

A - Aluminium
S - Steel

For pressures over 210 bar use steel.

Knob Part No.

PT-KN22020004

We reserve the right to change technical specifications and dimensions without giving notice.