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-MARVA 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 $\left(\text{C}\right)$ to increase pressure.

**Features**
- Hardened parts for long life.
- Industry common cavity.

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**Performance**

32 cSc / 38°C.

**Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nom. Flow (lpm)</td>
<td>19</td>
</tr>
<tr>
<td>Max. Pressure (bar)</td>
<td>210</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>20 Nm</td>
</tr>
<tr>
<td>Cavity</td>
<td>MA07-2 (see cavity data page CAV-MA07-2)</td>
</tr>
<tr>
<td>Spare Seal Kit (Viton)</td>
<td>SK-DMVHA</td>
</tr>
<tr>
<td>Weight - Valve only</td>
<td>0.17 kg</td>
</tr>
<tr>
<td>Weight - Valve + Body</td>
<td>0.28 kg (alum) 0.49 kg (steel)</td>
</tr>
</tbody>
</table>
Pressure Control.
Direct Acting Relief Valve - Size 07.

Dimensions

[mm]

Ordering Code

D-MARVA

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

Pressure setting
- 0500 - 7 to 34 bar
- 1500 - 34 to 103 bar
- 3000 - 103 to 207 bar

Port size (BSP)
- A - 1/4"

Options
- See page B-DMA

No. of ports
- 2 - 2 ports

Body material
- A - Aluminium
- S - Steel

For pressures over 210 bar use steel.

Knob Part No.
PT-KN22020058