General Description
Series VS pressure relief valve is a direct operated spool valve for subplate mounting with internal drain to port T. The connection and function is according to ISO 6264.

Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>NFPA D03 / NG6</td>
</tr>
<tr>
<td>Mounting Interface</td>
<td>ISO 6264</td>
</tr>
<tr>
<td>Mounting Position</td>
<td>Unrestricted</td>
</tr>
<tr>
<td>Ambient Temperature Range</td>
<td>-20°C to +70°C (-4°F to +158°F)</td>
</tr>
<tr>
<td>Working Pressure</td>
<td>Port P: 350 Bar (5075 PSI) Port T: depressed</td>
</tr>
<tr>
<td>Pressure Range</td>
<td>25 Bar (363 PSI) 64 Bar (928 PSI) 160 Bar (2320 PSI) 210 Bar (3045 PSI) 350 Bar (5075 PSI)</td>
</tr>
<tr>
<td>Nominal Flow</td>
<td>25 LPM (6.6 GPM)</td>
</tr>
<tr>
<td>Pressure Fluid</td>
<td>Hydraulic oil as per DIN 51524 ... 525</td>
</tr>
<tr>
<td>Fluid Temperature Recommended</td>
<td>+30°C to +50°C (+86°F to +122°F) -20°C to +70°C (-4°F to +158°F)</td>
</tr>
<tr>
<td>Viscosity Recommended</td>
<td>30 to 50 cSt/mm²/s (139 to 232 SSU)</td>
</tr>
<tr>
<td>Viscosity Permitted</td>
<td>20 to 380 cSt / mm²/s (93 to 1761 SSU)</td>
</tr>
<tr>
<td>Filtration</td>
<td>ISO 4406 (1999), 18/16/13</td>
</tr>
</tbody>
</table>

Ordering Information

```
VS  Pressure Relief Valve
0  Pressure Range
A  Adjustment Screw with Hexagon Socket
06 Size
V  Seal Fluorcarbon
G  Gage Port
M  Lock
0  Design Series

Code Description
025 25 Bar (363 PSI)
064 64 Bar (928 PSI)
160 160 Bar (2320 PSI)
210 210 Bar (3045 PSI)
350 350 Bar (5075 PSI)

Code Description
06 NFPA D03 / NG6

Code Description
G BSPP 1/4"
M M 12x1.5

Weight: 1.3 kg (2.9 lbs.)
```
Maximum Setting Pressure
25 Bar (363 PSI)

Maximum Setting Pressure
64 Bar (928 PSI)

Maximum Setting Pressures
160 Bar (2320 PSI)
and 210 Bar (3045 PSI)
Pressure Relief Valves
Series VS

Dimensions

Inch equivalents for millimeter dimensions are shown in (**)

<table>
<thead>
<tr>
<th>Surface Finish</th>
<th>Bolt kit</th>
<th>DIN912 12.9</th>
<th>Seal Kit Fluorocarbon</th>
</tr>
</thead>
<tbody>
<tr>
<td>$R_{a}=0.3$</td>
<td>M5x30-4pcs</td>
<td>8.1Nm (6.0 lb.-ft.)</td>
<td>SK-VB/VM/VS V</td>
</tr>
</tbody>
</table>

Mounting Pattern ISO 6264-03-04-*-97
(NFPA D03, CETOP 3, NG6)

Inch equivalents for millimeter dimensions are shown in (**)

Parker Hannifin Corporation
Hydraulic Valve Division
Elyria, Ohio, USA