NEW

SVM320
Hydraulic joystick

walvoil
A member of

Fluid Power Emotion
SVM320 is Walvoil’s new hydraulic joystick.

Walvoil is offering an innovative, original, solid and reliable product, completely adaptable to customer needs by the modularity of the fixing flanges and the endless possibilities of completion thanks to the compatibility with the whole own range of handles.

Thanks to its design, the new hydraulic joystick offers to manage and regulate flow rates with lower operating forces than entire standard range.

The cast iron body ensure high durability, greater resistance to oil contamination and maintain unchanged characteristics during the joystick life cycle.

**Working conditions**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>SVM320</th>
<th>SVM standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. pressure</td>
<td>30 bar - 435 psi</td>
<td>30 bar - 435 psi</td>
</tr>
<tr>
<td>Max. pressure</td>
<td>100 bar - 1450 psi</td>
<td>100 bar - 1450 psi</td>
</tr>
<tr>
<td>Max. rated flow</td>
<td>12 l/min - 3.17 Us gpm</td>
<td>12 l/min - 3.17 Us gpm</td>
</tr>
<tr>
<td>Hydraulic fluid</td>
<td>mineral oil</td>
<td>mineral oil</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>3 - 400 mm²/s - 3 - 400 cSt</td>
<td>3 - 400 mm²/s - 3 - 400 cSt</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-20/+90°C - -4/+194°F</td>
<td>-20/+90°C - -4/+194°F</td>
</tr>
<tr>
<td>Contamination</td>
<td>18/15 (ISO/DIS 4406)</td>
<td>18/15 (ISO/DIS 4406)</td>
</tr>
<tr>
<td>Internal leakage</td>
<td>max. 18 cm³/min - 1.1 in³/min</td>
<td>max. 18 cm³/min - 1.1 in³/min</td>
</tr>
</tbody>
</table>

**Performance data**

Comparison between SVM320 and std. SVM
Available control curve types

- **Straight type**
- **Straight type with step**
- **Piecewise**
- **Piecewise with step**

Features

- **Handles**
  Endless possibilities to complete and customize the joystick thanks to the compatibility with the whole range of Walvoil handles.

- **Low drive force**
  Possibility to manage and regulate flow rates with low operating forces in slow movements and in Bucket-Shaking.

- **Patented Design**
  Thanks to a patented design solution, all configurations of this new hydraulic joystick are provided of no-damping system.

- **High Durability**
  The cast iron body and the treated spool ensure high durability, greater resistance to oil contamination and maintain unchanged characteristics (such as leakage) during the joystick life cycle.