## Technical Data Sheet

### S80 SS

- **Water service**

### Technical Data:

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air drive pressure</td>
<td>1-10 bar / 14.5 - 145psi</td>
</tr>
<tr>
<td>Calculated Outlet Pressure at an air drive of 10 bar/145 psi</td>
<td>800 bar / 11,600 psi</td>
</tr>
<tr>
<td>Pressure ratio</td>
<td>1:80</td>
</tr>
<tr>
<td>Displacement volume/double stroke</td>
<td>6.2 cm³ / 0.37 cu.inch</td>
</tr>
</tbody>
</table>

### Connections:

<table>
<thead>
<tr>
<th>Port</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet</td>
<td>3/8” BSP</td>
</tr>
<tr>
<td>Outlet</td>
<td>3/8” BSP</td>
</tr>
<tr>
<td>Air drive</td>
<td>1/2” BSP</td>
</tr>
</tbody>
</table>

- Maximum operating temperature: 60°C
- Net weight: 7 kg

Pressure and flow performances, please see enclosed graph.

### Wetted materials of construction:

- Top cap: Aluminium
- Air cylinder: Aluminium
- Seal package: UHMWPE, FKM
- Pump Body: 1.4313
- HP Piston: 1.4112 (hardened)

### Approximate Dimensions:

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>272 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>179 mm</td>
</tr>
<tr>
<td>Width</td>
<td>135 mm</td>
</tr>
</tbody>
</table>

### Available Accessories:

- Air control units with filter pressure regulator, control pressure gauge and shut off valve: S80-SS with C1.5
- To protect the pump against excessive outlet pressures or to limit the outlet pressure, a safety valve can be fitted to the air control unit in the air drive line: S80-SS with C1.5/SVair (The required outlet pressure has to be indicated.)

Please consult factory for more information. All technical and dimensional information subject to change. All General Terms and Conditions of sale, including limitations of our liability, apply to all products and services sold.
MAXIMATOR
S - Pumpe / S - Pump
Ansichts-/Maßzeichnung
Dimension drawing
Typ / type:
S 40 - SS, S 80 - SS
Leistungsdiagramm/Performance Graph S 80 SS

Prüfflüssigkeit/Test Liquid: Wasser-Öl-Emulsion/Water Oil Emulsion ca. 1 - 10 cst

Werte berechnet/calcualted values

- Förderleistung/Flow (l/min)
- Betriebsdruck/Outlet Pressure (bar)
- Luftverbrauch/Air Consumption (l/min)

Betriebsdruck bei/Outlet Pressure at
- 4 bar
- 6 bar
- 8 bar

Luftverbrauch bei/Air consumption at
- 4 bar
- 6 bar
- 8 bar