## Technical Data Sheet

### S40 SS

*Water service*

#### Technical Data:

<table>
<thead>
<tr>
<th>Feature</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 air drive of 10 bar/145 psi</td>
<td>390 bar / 5,650 psi</td>
</tr>
<tr>
<td>Pressure ratio</td>
<td>1.39</td>
</tr>
<tr>
<td>Displacement volume/double stroke</td>
<td>12.6 cm³ / 0.76 cu.inch</td>
</tr>
<tr>
<td>Connections</td>
<td></td>
</tr>
<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>
<tr>
<td>Maximum operating temperature</td>
<td>60°C</td>
</tr>
<tr>
<td>Net weight</td>
<td>7 kg</td>
</tr>
</tbody>
</table>

#### 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:

- **Height:** 272 mm
- **Depth:** 179 mm
- **Width:** 135 mm

#### Available Accessories:

- **Air control units with filter pressure regulator, control pressure gauge and shut off valve:** S40-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:** S40-SS with C1.5/SVair (The required outlet pressure has to be indicated.)

---

*Pressure and flow performances, please see enclosed graph.*

---

*Available Accessories:

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.*
Leistungsdiagramm/Performance Graph S 40 SS
Prüfflüssigkeit/Test Liquid: Wasser-Öl-Emulsion/Water Oil Emulsion ca. 1 - 10 cst

Werte berechnet/calculated values

Betriebsdruck bei/Outlet Pressure at 4 bar
Betriebsdruck bei/Outlet Pressure at 6 bar
Betriebsdruck bei/Outlet Pressure at 8 bar
Luftverbrauch bei/Air consumption at 4 bar
Luftverbrauch bei/Air consumption at 6 bar
Luftverbrauch bei/Air consumption at 8 bar

Förderleistung/Flow (l/min)
Outlet Pressure (bar)
Air Consumption (l N/min)

0,0 0,5 1,0 1,5 2,0 2,5 3,0 3,5 4,0
0 50 100 150 200 250 300 350
0 50 100 150 200 250 300 350
0 100 200 300 400 500 600 700 800 900 1000 1100 1200

MAXIMATOR GmbH, Lange Strasse 6, 99734 Nordhausen, Telephone +49 3631 9533 - 0, Telefax +49 3631 9533 - 5010, www.maximator.de, info@maximator.de
High Pressure Technology • Testing Equipment
Hydraulics • Pneumatics
Maximum Pressure.