**Technical Data Sheet**

**S150D**

> Oil service

### Technical Data:

<table>
<thead>
<tr>
<th>Parameter</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>1,000 bar / 14,500 psi</td>
</tr>
<tr>
<td>Pressure ratio:</td>
<td>1.155</td>
</tr>
<tr>
<td>Displacement volume/double stroke</td>
<td>6.2 cm³ / 0.38 cu.inch</td>
</tr>
</tbody>
</table>

### Connections:

<table>
<thead>
<tr>
<th>Port</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet</td>
<td>1/2 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>14.5 kg</td>
</tr>
</tbody>
</table>

Pressure and flow performances, please see enclosed graph.

### Wetted materials of construction:

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top cap</td>
<td>Aluminium</td>
</tr>
<tr>
<td>Air cylinder</td>
<td>Aluminium</td>
</tr>
<tr>
<td>Seal package</td>
<td>Polyurethane, NBR</td>
</tr>
<tr>
<td>Pump Body</td>
<td>GGG50</td>
</tr>
<tr>
<td>HP Piston</td>
<td>1.4112 (hardened)</td>
</tr>
</tbody>
</table>

### Approximate Dimensions:

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>260 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>135 mm</td>
</tr>
<tr>
<td>Width</td>
<td>175.5 mm</td>
</tr>
</tbody>
</table>

### Available Options:

- Special inlet and outlet ports, i.e. NPT: S150D-NPT
- Special seal material to handle special fluids on request.

### Available Accessories:

- Air control units with filter pressure regulator, control pressure gauge and shut off valve: S150D with C.1.5
- 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: S150D with C.1.5/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

Ausgang Druckseite P_2
Outlet Discharge port

Eingang Saugseite S_1
Inlet Suction port

Steuerluftanschluß
Pilot valve release connection

Antriebsluft Eingang
Air drive inlet

Abluftanschluß
Pilotventil
Pilot valve air release

MAXIMATOR

S - Pumpe (doppeltwirkend)
S - pump (doubleacting)

Ansichts-/Maßzeichnung
Dimension drawing

Typ / type: S 60D, S 100D, S 150D
Leistungsdiagramm/Performance Graph S 150 D

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

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

P_{\text{\text{max}}}/\text{Max.outlet pressure} 1000

0,0 0,1 0,2 0,3 0,4 0,5 0,6 0,7 0,8 0,9 1,0 1,1 1,2 1,3 1,4 1,5 1,6 1,7 1,8 1,9
0 200 400 600 800 1000 1200 1400
0,0 0,1 0,2 0,3 0,4 0,5 0,6 0,7 0,8 0,9 1,0 1,1 1,2 1,3 1,4 1,5 1,6 1,7 1,8 1,9

Förderleistung/Flow (l/min)
Luftverbrauch/ Air consumption (l/min)