**Technical Data Sheet**

**MO111D**

**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>1,000 bar/ 14,504 psi</td>
</tr>
<tr>
<td>Pressure ratio</td>
<td>1:133</td>
</tr>
<tr>
<td>Displacement volume/double stroke</td>
<td>2.0 cm³ / 0.12 cu.inch</td>
</tr>
</tbody>
</table>

**Connections:**

- Inlet: 3/8 BSP
- Outlet: 1/4 BSP
- Air drive: 3/8 BSP
- Maximum operating temperature: 60°C
- Net weight: 4.5 kg

Pressure and flow performances, please see enclosed graph.

**Wetted materials of construction:**

- Top cap: Aluminium
- Air cylinder: Aluminium
- Seal package: Polyurethane, NBR
- Pump Body: GGG50
- Piston: 1.4112 (hardened)

**Approximate Dimensions:**

- Height: 228 mm
- Depth: 102 mm
- Width: 80 mm

**Available Options:**

- Special inlet and outlet ports, i.e. NPT: MO111D-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: MO111D with C1
- 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: MO111D with C1/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.
Leistungsdiagramm/Performance Graph M(O) 111 D

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

Nur für/Only for MO 111 D: P_{B,max.}/Max.outlet pressure 1000 bar

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

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

Förderleistung/Flow (l/min)

Betriebsdruck bei/Outlet Pressure at:
- Blue: 4 bar
- Red: 6 bar
- Green: 8 bar

Luftverbrauch bei/Air consumption at:
- Blue dotted: 4 bar
- Red dotted: 6 bar
- Green dotted: 8 bar