## Technical Data Sheet

### MO189D

**Oil service**

#### Technical Data:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</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>1:220</td>
</tr>
<tr>
<td>Displacement volume/double stroke</td>
<td>1.2 cm³/0.07 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: MO189D-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: MO189D 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:

MO189D with C1/SVair (The required outlet pressure has to be indicated.)

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Leistungsdiagramm/Performance Graph M(O) 189 D

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

Nur für/Only for MO 189 D:
P_{B,max.}/Max. outlet pressure 1000 bar

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