### Technical Data Sheet

**MSF22(L)**

#### Technical Data:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Air drive pressure:</strong></td>
<td>1-10 bar / 14.5 - 145psi</td>
</tr>
<tr>
<td><strong>Calculated Outlet Pressure at an air drive of</strong></td>
<td>280 bar / 4,060 psi</td>
</tr>
<tr>
<td>10 bar / 145 psi</td>
<td></td>
</tr>
<tr>
<td><strong>Pressure ratio:</strong></td>
<td>1:28</td>
</tr>
<tr>
<td><strong>Displacement volume/double stroke</strong></td>
<td>4.6 cm³ / 0.28 cu.inch</td>
</tr>
</tbody>
</table>

#### Connections:

- **Inlet:** Standard: Bottom Inlet 3/8 BSP
- **Outlet:** 3/8 BSP
- **Air drive:** 3/8 BSP
- **Maximum operating temperature:** 60°C
- **Net weight:** 3.5 kg

Pressure and flow performances, please see enclosed graph.

#### Wetted materials of construction:

- **Seal package:** MSF22(L): Filled Teflon (PTFE) Fluorcarbon (V)
- **Pump Body:** 1.4571
- **Piston:** 1.4571
- **Fittings:** 1.4305

#### Approximate Dimensions:

- **Height:** 247 mm
- **Depth:** 112 mm
- **Width:** 108 mm

#### Available Options:

- **Side inlet**
- **Special inlet and outlet ports, i.e. 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:** MSF22(L) 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:** MSF22(L) with C1/SVair (The required outlet pressure has to be indicated.)

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Leistungsdiagramm/Performance Graph M(O)(SF) 22

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

Outlet Pressure (bar)

Förderleistung/Flow (l/min)

Luftverbrauch/Air consumption (l/min)

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