### Technical Data Sheet

#### M1 (L) VE

- **Oil service**

#### M1 (L)

- **Water 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>10 bar / 142 psi</td>
</tr>
<tr>
<td>Pressure ratio</td>
<td>1:1</td>
</tr>
<tr>
<td>Displacement volume/double stroke</td>
<td>122 cm³ / 7.44 cu.inch</td>
</tr>
</tbody>
</table>

### Connections:

- **Inlet:** Standard: Bottom Inlet 1 BSP
- **Outlet:** 1 BSP
- **Air drive:** 3/8 BSP
- **Maximum operating temperature:** 60°C
- **Net weight:** 4.3 kg

Pressure and flow performances, please see enclosed graph.

### Wetted materials of construction:

- **Seal package:**
  - M1(L): Polyurethan, NBR
  - M1(L)VE: UHMWPE, FKM
- **Pump Body:** AlMgSiPB anodized
- **Piston:** 1.4104
- **Fittings:**
  - Inlet: 1.4305
  - Outlet: AlMgPbCu anodized

### Approximate Dimensions:

- **Height:** 280 mm
- **Depth:** 120 mm
- **Width:** 112 mm

### Available Options:

- **Seal material for oil service:** M1(L)
- **Seal material for water service:** M1(L)VE
- **Special inlet and outlet ports, i.e. NPT**
  - M1(L)-NPT
  - M1(L)VE-NPT
- **Special seal material to handle special fluids on request.**

### Available Accessories:

- **Air control units for M series with filter pressure regulator, control pressure gauge and shut off valve:** M1(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:** M1(L) with C1/SVair (The required outlet pressure has to be indicated.)

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**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 M1L

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

Outlet Pressure (bar)

Förderleistung/Flow (l/min)

Luftverbrauch/Air consumption (l/min)

Betriebsdruck be/Outlet Pressure at 4 bar

Betriebsdruck be/Outlet Pressure at 6 bar

Betriebsdruck be/Outlet Pressure at 8 bar

Luftverbrauch be/Air consumption at 4 bar

Luftverbrauch be/Air consumption at 6 bar

Luftverbrauch be/Air consumption at 8 bar