## Technical Data Sheet M8D

### Technical Data:
- **Air drive pressure:** 1-10 bar / 14.5—145 psi
- **Calculated Outlet Pressure at an air drive of 10 bar/145 psi:** 90 bar / 1,300 psi
- **Pressure ratio:** 1:9
- **Displacement volume/double stroke:** 29.4 cm³ / 1.8 cu.inch

### Connections
- **Inlet:** Standard: bottom inlet 3/4 BSP
- **Outlet:** 1/2 BSP
- **Air drive:** 3/8 BSP
- **Maximum operating temperatre:** 60°C
- **Net weight:** 3.7 kg

### Wetted materials of construction:
- **seal package:**
  - **M8D:** Polyurthane, Buna N
  - **M8DVE:** UHMWPE, Viton
- **Pump Body:** 1.4305
- **Piston:** 1.4112 (hardened)
- **Fittings:** 1.4104

### Approximate Dimensions:
- **Height:** 195 mm
- **Depth:** 104 mm
- **Width:** 112 mm

### Available Options:
- **Seal material for oil service** (standard) **M8D**
- **Seal material for water service** **M8DVE**
- **Liquid inlet** Standard: side inlet, bottom inlet not available
- **Special inlet and outlet ports, i.e. NPT**
  - **M8D-NPT**
  - **M8DVE-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:** **M8D 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:**
  - **M8D with C1/SVair** (The required outlet pressure has to be indicated.)

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**Pressure and flow performances, please see enclosed graph.**

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Please consult factory for more information.

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Leistungsdiagramm / Performance Graph M 8 D

Betriebsdruck (bar) / Operating pressure

Flussmenge (l/min) / Flow Capacity

Betriebsdruck bei 4 bar
Betriebsdruck bei 6 bar
Betriebsdruck bei 8 bar

Luftverbrauch bei 4 bar
Luftverbrauch bei 6 bar
Luftverbrauch bei 8 bar

Prüfflüssigkeit / Test Medium: Wasser-Öl-Emulsion ca. 1 - 10 cSt