**Technical Data Sheet**

### M22 (L)

**» Oil service**

- **Technical Data:**
  - Air drive pressure: 1-10 bar / 14.5 - 145 psi
  - Calculated Outlet Pressure at an air drive of 10 bar/145 psi: 280 bar/ 4,060 psi
  - Pressure ratio: 1:28
  - Displacement volume/double stroke: 4.6 cm³/ 0.28 cu.inch

- **Connections:**
  - Inlet: Standard Bottom Inlet 3/8 BSP
  - Outlet: 3/8 BSP
  - Air drive: 3/8 BSP
  - Maximum operating temperature: 60°C
  - Net weight: 2.8 kg

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

### M22 (L) VE

**» Water service**

- **Technical Data:**
  - Air drive pressure: 1-10 bar / 14.5 - 145 psi
  - Calculated Outlet Pressure at an air drive of 10 bar/145 psi: 280 bar/ 4,060 psi
  - Pressure ratio: 1:28
  - Displacement volume/double stroke: 4.6 cm³/ 0.28 cu.inch

- **Connections:**
  - Inlet: Standard Bottom Inlet 3/8 BSP
  - Outlet: 3/8 BSP
  - Air drive: 3/8 BSP
  - Maximum operating temperature: 60°C
  - Net weight: 2.8 kg

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

### Wetted materials of construction:

- **Seal package:**
  - M22(L): Polyurethan, NBR
  - M22(L)VE: UHMWPE, FKM

- **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:** M22(L)
- **Seal material for water service:** M22(L)VE
- **Side inlet** M22(L)/ M22(L)VES
- **Hand lever/ Spring return** M22-HL
  - (only available with seal package Polyurethane, NBR)
- **External pilot port modification** M22(L)-DIR
- **Special inlet and outlet ports, i.e. NPT** M22(L)-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:** M22(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: M22(L) 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)(SF) 22

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

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