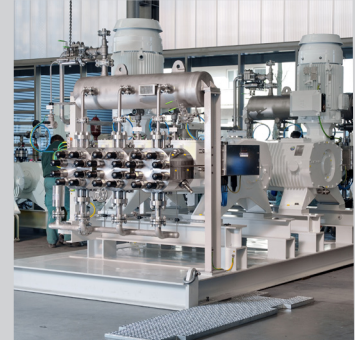
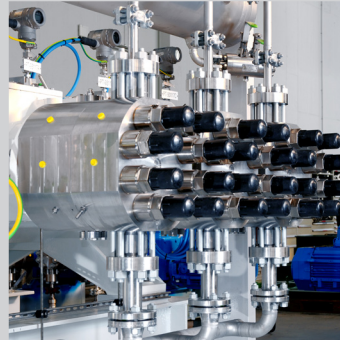


## M800 DIAPHRAGM PUMP HEADS WITH PTFE-DIAPHRAGM FOR HIGH PRESSURE



**LEWA is the only manufacturer of PTFE-diaphragm pump heads for pressures between 400 bar (5,800 psig) and 1,000 bar (14,500 psig).**

### Performance overview:

<b>Pressure</b>	400 bar (5,800 psig) up to 1,000 bar (14,500 psig)
<b>Flow rate</b>	from 0,1 m <sup>3</sup> /h (26 gph) up to 1 m <sup>3</sup> /h (265 gph) per pump head
<b>Temperature</b>	from -10 °C (14 °F) up to 60 °C (140 °F)
<b>Viscosity</b>	up to 100,000 mPas (100,000 cp)

**The following diaphragm pumps for high pressure are available with PTFE-diaphragm:**

**LEWA ecoflow** LDF, LDG, LDH

**LEWA triplex** G3S, G3F, G3G

### Benefits of a PTFE-diaphragm compared to a metal diaphragm:

- Longer diaphragm service life
- Larger flow rate at identical diaphragm diameter due to highly elastic diaphragm
- Reduction of both the pump size and the required space, due to the smaller diameter of the pump head. Moreover the smaller pump head allows for a more simple and quick replacement of the diaphragm
- Cost advantage due to the material (PTFE) and unit size
- Broad viscosity range
- Insensitive to particles
- High suction capabilities, i.e. low NPSH requirements
- No need for support seal at the diaphragm clamp
- LEWA's patented clamped support for PTFE-diaphragm is not stretched during the discharge stroke. The diaphragm is designed with FEM (Finite Elements Method) and is 100 % leakage-free