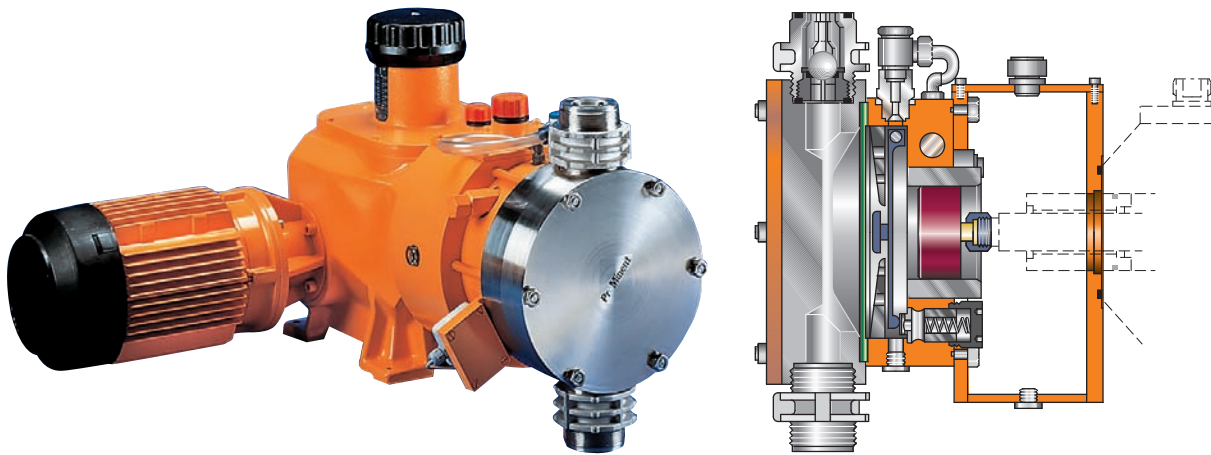


The Standard in Low Pressure Hydraulic Diaphragm Technology!

Makro TZ (TZHa)



The series Makro TZ redefines metering safety. The ProMinent® multilayer diaphragm with its special composition is the central feature.

Advantages

- The most important principle: Even if the diaphragm is broken, the hydraulic unit will not be damaged because no chemicals may penetrate the hydraulic chamber. Safety and bleed valves protect against excess pressure and remove the outgassing of the hydraulic liquid in the liquid end. An alarm is automatically triggered in case of diaphragm failure and excessive backpressure. The pump features an almost pressure-stable characteristic.

- 1. A PTFE layer on the medium side, vulcanised onto an EPDM carrier material
- 2. a second Teflon layer which is loosely attached to a further elastomer layer at the edges.

In case of diaphragm failure, the liquid may only penetrate up to the centre Teflon layer. There, the internal pressure increases, the diaphragm inflates at a predefined point and a micro-switch automatically triggers an alarm via a contact signal!

Features

- The liquid end – made of PP, PVC, PTFE or SS - is equipped with an automatic permanent bleeding of the hydraulic liquid. An integrated pressure-control valve protects the metering pump against overload and also triggers an alarm via a contact signal.
- Capacity range up to 1,200 l/h, 16 bar, with a metering accuracy of ± 1 %.