

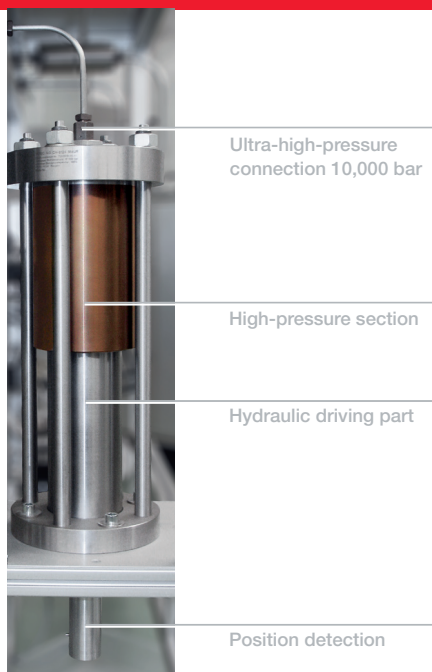
Units for High-Pressure Autofrettage

Standard Design

Max. operating pressure 7,000 bar
Pressure intensifier capacity 18 ml

Options

10,000 bar
45 ml



Pressure intensifier 10,000 bar (intensifier ratio 1:16)

Treatment of high-pressure components (e.g. fuel-injection tubings) to increase the fatigue limit under cycling pressures.

Advantages

- Improved stress distribution across the tubing wall for cyclic pressures
- Extreme peak of tensile stress in the tangential direction at the inside tubing diameter is eliminated

Features

- Pressure generation up to 700 bar by pneumatic-operated liquid pump
- Pressure intensifier ratio 1:16
- Process control and batch documentation with programmable logic controller (PLC)

Options

- 2nd pressure intensifier

Applications

- Autofrettage of high-pressure fuel-injection tubings
- For all tubings, fittings and pressure vessels that are subjected to cyclic pressures



Autofrettage unit for 7,000 bar with two redundant pressure intensifiers for unrestricted availability (Germany). Process sequence is given by a logic controller. Autofrettage pressure is digitally indicated.



Autofrettage unit for 10,000 bar with PLC process control and batch documentation. Process is visualized on an interactive touch screen. During the autofrettage cycle the pressure curve is indicated and all relevant data are stored in an unchangeable format.