Hydraulic stations
for the most demanding industrial applications

Customized solutions
Non-proprietary components
Mechanical and electrical explosion protection
Redundant design for safe operation
Tank design for inert gas overlay
Modular design
PLEIGER hydraulic stations  
Adaptable to your specific applications

Pleiger delivers hydraulic components and systems which have been tailored to the demands of industrial applications. Pleiger’s customized hydraulic stations are known for their long service life and maximum reliability. Starting from the initial idea, and right up to the final product, we use our experience of your technical requirements in order to realise a tailor-made solution.

In particular with regard to safety, we offer you technical solutions plus all the necessary certificates.

If required, we can also supply your complete hydraulic system, including electrical components and control. We provide everything from one source!

**Design**
- Tailored to your particular requirements
- Joint cooling/filter/filling circuit
- Failsafe, thanks to redundant pumps/motor units
- Tank produced on basis of overpressure calculation using FEM
- Various sizes of pumps and motor can be used thanks to modular design
Implementation
_Tank capacity up to 6000 litres
_Inert gas overlay up to 500 mbar
_Strength calculation
_Choice of tank materials (EN 1.4404 (AISI 316L), 1.4571 (316Ti)…)
_Easier access thanks to inspection openings for all tank areas
(dirty side and clean side separated by divider)
_Flange and thread connections for instruments and customer connections
_Certified welding works
_Designed in accordance with explosion protection regulations (ATEX, IEC, KOSHA…)
_Cabling to central terminal boxes
_Local control panel with and without controller
_Instruments can be calibrated on site
_Shutoff devices for quick pump changing
_Double changeover filter for uninterrupted operation
_2003 pressure measurement for system pressure

Quality assurance
_Material certificates
_Hydrostatic pressure test
_Delivery rate pressure and circulation circuit
_Leak test
_Dye penetrant testing
_WPS, PQR
_Loop check

Documentation
_Available in multiple languages (EN, DE, CN…)
_3D model for precise system planning
_Piping and instrumentation diagram (P&ID)
_Assembly drawing
_Function description and operating manual
_Instrument list
_Cause and effect table
_FEM analysis
Tradition and experience

For 90 years, PLEIGER has been renowned as a reliable partner for hydraulic systems and hydraulic actuators. Our image is dominated by „customised” solutions perfectly suited to the needs of our clients. Innovation and experience combined with down-to-earth and long-term character are the hallmarks of our family-owned company. The development and training centre, as well as production in Germany offer wide-ranging perspectives. As part of the Pleiger business group, with over 650 staff members worldwide, PLEIGER Maschinenbau stands for stability and sustainable growth.