

Hydraulic stations

for the most demanding industrial applications



PLEIGER MASCHINENBAU

- _ 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.

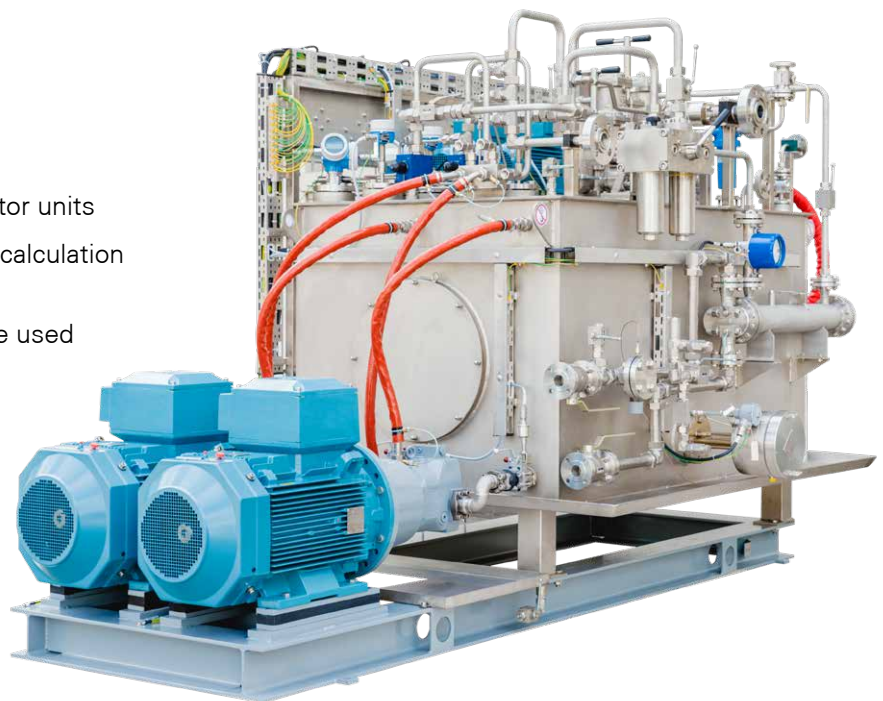
In particular with regard to safety, we offer you technical solutions plus all the necessary certificates.

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



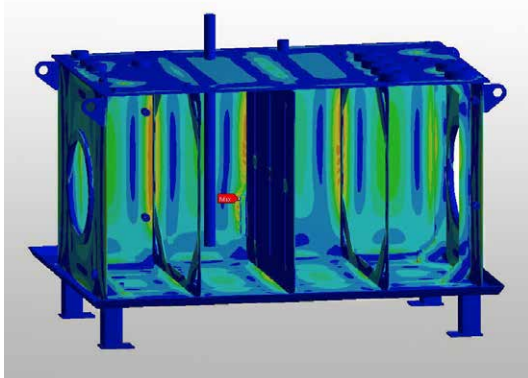
Design

- _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



EFFICIENT AND SAFE





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

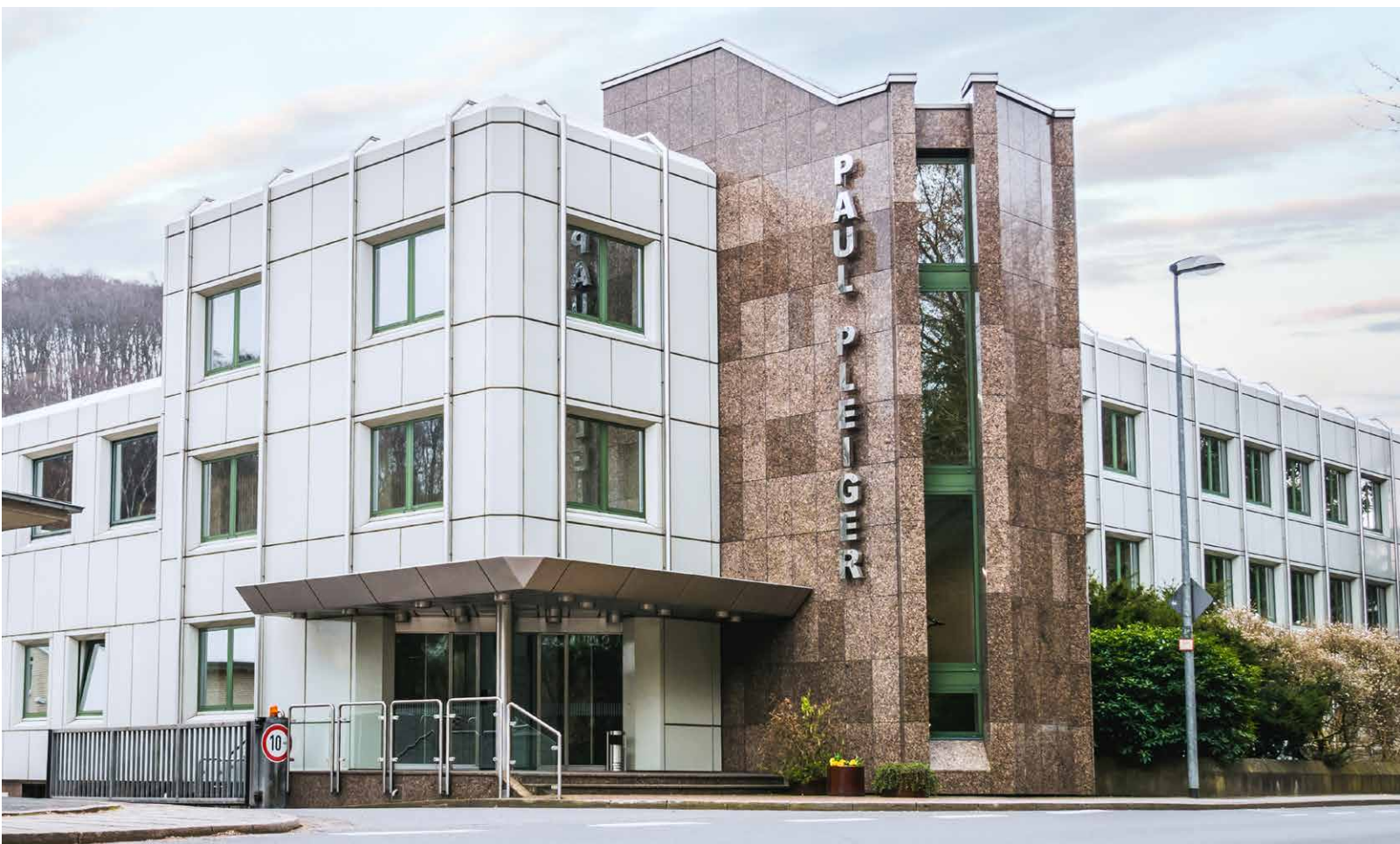
Documentation

- _ 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.



INNOVATION AND QUALITY – MADE BY PLEIGER!

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