

"Benefit from our hydraulic expertise!"

Hydraulics Training of HAWE

Are you looking for a hands-on training in hydraulics? No matter whether you have any hydraulics knowledge or not, we offer you topic-related training in hydraulics, taught by practitioners for the practitioner. Our tailored training modules combine theory and practice. They include practical reference to such concrete issues as product selection, system configuration, installation and maintenance and offer insight into the technical backgrounds. After successful completion every participant receives a certificate of attendance. On request we will also conduct the training modules in English or locally at your site.

Training modules of HAWE Hydraulik:

Hydraulic basics

Contents: Function and design of simple hydraulic systems and their components
 Target group: Employees with technical understanding and interest in hydraulics
 Topics:

- Basics in applied physics, hydraulic symbols and circuit diagrams
- Design and function principle of various pump designs and power packs
- Design and function principle of directional seated valves and directional spool valves
- Design and function principle of pressure valves, metering valves, check valves
- Design of simple hydraulic systems

 Duration, location: 5 days at HAWE Hydraulik or at your facilities

Mobile hydraulics

Contents: Structure and operating principles of various components for mobile hydraulic applications (e.g. truck mounted cranes, municipal vehicles), including mode of operation as well as field conditions
 Target group: Mechanics, technicians, design engineers with basic knowledge of hydraulics
 Topics:

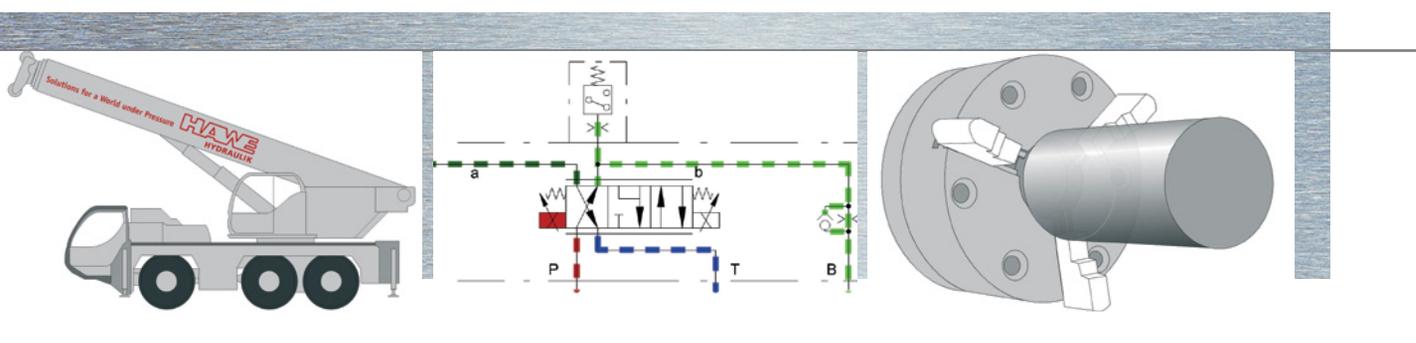
- Variable flow pump systems and fixed flow pump systems
- Directional proportional valves with load-sensing control, over-center valves
- Pressure-independent volume flow control
- Vibration damping options
- Set-up of a load-sensing system

 Duration, location: 5 days at HAWE Hydraulik or on-site at your company



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Industrial hydraulics

Contents: Structure and operating principle of various components for industrial applications (e.g. machine tools, hydraulic presses), including mode of operation, duration of operation and field conditions

Target group: Mechanics, technicians, design engineers with basic knowledge of hydraulics

- Topics:**
- Compact pump power packs with directional control valve banks
 - Purpose, dimension and necessary add-on components of the accumulator charging technology
 - Electrically operated proportional valves
 - Analysis of system functions
 - Design, set-up and optimization of circuits for machining tools and presses

Duration, location: 5 days at HAWE Hydraulik or on-site at your company

Customized training courses

Contents: Individually customized training which is tailored to participants while taking into account their previous knowledge, field of activity, the hydraulic components and systems they employ

Target group: Mechanics, technicians, design engineers

- Example topics:**
- Principal functionality of a hydraulic system
 - Criteria in the design and dimensioning of hydraulic systems
 - Principle of load-sensing controls (open- and closed center)
 - Functioning of load-holding and flow control valves
 - Electronic valve controls (e.g. PLVC, CAN bus, amplifier cards)

Duration, location: 2 to 4 days at HAWE Hydraulik or on-site at your company

For offers, appointments and further enquiries, please contact us:
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