

# Festo Training and Consulting

From industry – for industry

**FESTO**



HY511

## Industrial hydraulics

559448

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Designed as a general introduction, this training provides an insight into hydraulic principles. Main hydraulic components and their functions are explained. The participants are enabled to perform systematic maintenance and troubleshoot hydraulic systems.

This course includes many practical exercises which give delegates the opportunity to put theory into practice and for hands-on-learning. Apart from reading and interpreting basic hydraulic circuit diagrams, participants will also commission hydraulic systems with the help of the diagrams.

As a result, participants will be familiar with designing and testing hydraulic circuits and they will know how to maintain and troubleshoot basic hydraulic systems.

HY511

## Industrial hydraulics

### Training content

- Equipment and circuit diagram symbols
- Reading and interpreting basic hydraulic circuit diagrams
- Physical principles in hydraulics
- Structure and operation of basic components
- Measuring volumetric flow and pressure
- Technology and characteristic data of valves and drive elements
- Commissioning hydraulic systems in accordance with circuit diagrams

### Training outcomes

After completing this training course, the participants:

- can design, assemble and test basic hydraulic circuits
- are able to maintain and troubleshoot basic hydraulic systems
- can identify and describe the construction, design features and operation of hydraulic components
- can interpret technical specifications and data relating to hydraulic components and systems
- can interpret safety measures
- are familiar with graphical symbols for hydraulic components
- can perform simple calculations of pressure, flow and force

### Target group

Shop Floor/Operators, Maintenance, Engineering/Design,  
Educational Staff/Trainer

### Duration

4 days



All Festo Didactic training courses offer the following additional benefits:

- Post-tests can additionally be used to monitor the training effectiveness
- Our trainings can be customized and carried out worldwide (on demand)
- Trainings take place with real industrial components, used in a safe environment
- Our trainers are certified according to our internal trainer qualification „Festo Certified Training Professional“ and have many years of industrial experience