



Basic Set (E6.8.1.2)

Cat. No.	Description	E6.8.1.1	E6.8.1.2
500 414	Connecting lead, 19 A, 25 cm, black	27	
500 412	Connecting lead, 19 A, 25 cm, blue	3	
500 421	Connecting lead 19 A, 50 cm, red	3	
500 424	Connecting lead 19 A, 50 cm, black	6	

Didactic Hydraulics

Hydraulic elements from ELWE Technik are operated with red-coloured hydraulic oil. The white base plate further heightens the contrast. A maximum operational pressure of 10 bar (1 MPa) facilitates safe experimentation. The transparent connecting hoses and introduced air bubbles allow learners to fully follow the flow paths: from pressure connection of the pump through to the tank connection.

The learning system conveys the fundamentals of hydraulic systems on three levels. The electro-hydraulics are designed for a safe 24 V of direct current. This makes it possible to put together even simple controllers with LOGO! and SPC.

Educational objectives

- Basics of hydraulics
- Hydraulic components with special functions
- Basic hydraulic circuits

Topics

- Hydraulic unit
- Pressure limit
- Directional valve
- Cylinder
- Current regulating valve
- Pressure regulating valve
- Variables for a valve operation magnet
- Signal storage through electric catch