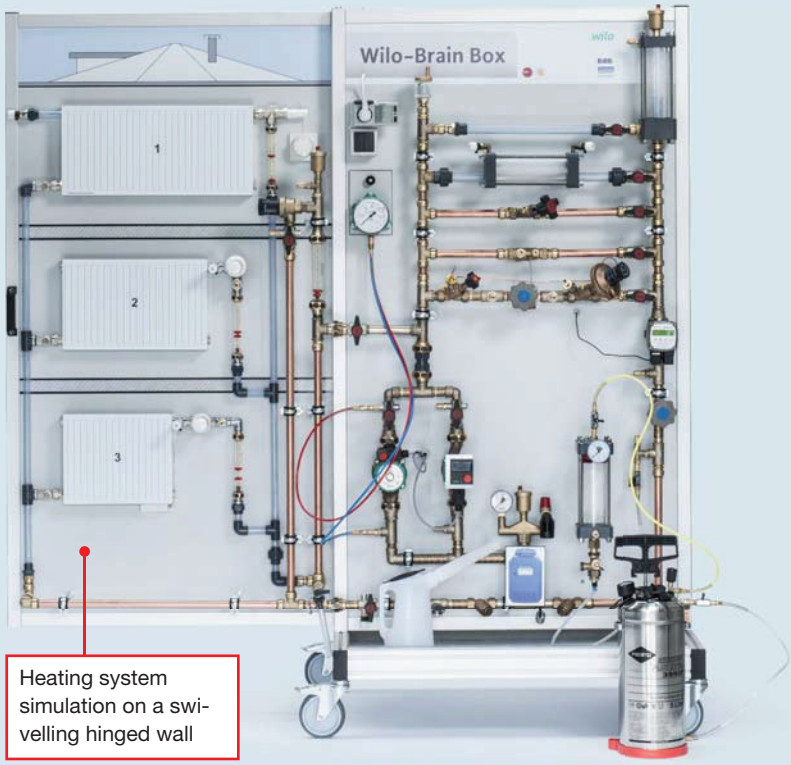
Wilo-Brain Box “Classic Plus”

The WILO-Brain Box classic plus reveals what is often concealed by insulation or plaster in reality: On the mobile experiment stand, all the essential components of a heating system are grouped together. In part transparent, they are connected by pipes in such a way that the heating process can be reproduced almost completely. Thus, defects can be demonstrated on the Brain Box and corrected professionally.



Heating system simulation on a swivelling hinged wall

Suitable for:

Vocational education and further training at
- **Vocational colleges**
- **Company and industry training centres**

Technical data:
- **Dimensions (W x D x H)**
  when folded out in its working position: 1,900 x 780 x 1,980 mm
  when folded up: 1,000 x 780 x 1,980 mm
- **Weight:** 80 kg

Order-No.
58129

Heating Hydraulics Training Stand

- Mobile training stand with four heater simulations, each one with a thermostat valve, flow meter and capture of the heater‘s output temperature
- Thermostat with simulated outside temperature (via potentiometer)

For many tasks in the heating hydraulics, e.g.
- Testing work on the diaphragm-type expansion tank
- Programming the outside thermostat
- Flow meter for the total volume flow and strand volume flows
- 4-channel temperature measuring device with data interface
- Gauge connections for both the flow and return, for temperature difference measurement
- Temperature measurements via sensor insert in the medium

Specifications:
- 4 strand regulation valves
- Short-circuit valve for maximum flow
- 3-way mixer unit with high-efficiency pump and safety group
- Heat transfer station with heat exchanger
- Dimensions: 1,500 x 900 x 1,940 mm (W x D x H)

Order-No.
97177

Heating technology module

The module with a complete material kit for processing, assembly and commissioning.

With the components and teaching and working materials included in the heating technology module, you can provide your trainees with focused, hands-on training for the professional examination to become an HVAC systems mechanic (German standard after restructuring in 2016). From the theoretical basics all the way to practical work on heating and electrical systems.

Technical features:

Experimental setup, consisting of pipes, bends, bossheads, screw fittings, float, expansion tank, pump, heating cartridge, thermostat valve, distributor box, emergency stop, temperature sensor and other accessories

As a material kit or already fully assembled (standing model or for wall mounting); Versions in copper or in carbon steel, with various connection techniques (pressing, soldering, plug connection or with thread)

Including didactic material for explaining the fundamentals and a number of tests and their solutions

Order-No.
13513

Circulation test

Teaching systems for wall mounting or as standing models for explaining the following topics:

- Introduction to hydraulics and circulation
- Functions and designations of the key components of a circulation system
- Different control systems of a circulation pump (timer, PLC) and how they work
- Connecting circulation pumps and pump control systems
- Circuit signs and symbols; installation plan, signal flow chart and function tables
- Didactic material with the fundamentals (order analysis, practical implementation) and tasks with corresponding solutions

Technical data, scope of delivery:

- Test boards with slots to accommodate the module blocks
- Module blocks: Timer, PLC (Logo!), ammeter and voltmeter, emergency stop button, heating emergency stop button, circulation pump and switch
- With all necessary safety cables (various lengths and colours) for carrying out the experiments
- With magnetic boards for designating the respective functions of the components
- With didactic material

Order-No.
98277