

# WL 312.10

## Hot water generator



### Specification

- [1] device for hot water supply for experiments with WL 312 and WL 315C
- [2] main components: water tank with two heaters, pump
- [3] two sight glasses for monitoring the level in the tank
- [4] flow rate adjustable via valves
- [5] flow measurement via rotameter
- [6] measurement of temperatures in the feed and return, in the tank

### Technical data

#### Pump

- max. flow rate: 2,4m<sup>3</sup>/h
- max. head: 46m

Tank: 70L

#### Heater

- 2 units
- output per heater: 3kW

#### Measuring ranges

- flow rate: 100-1000L/h
- temperature: max. 80°C

230V, 60Hz, 3 phases

400V, 50Hz, 3 phases

400V, 60Hz, 3 phases

UL/CSA optional

LxWxH: 1000x750x1370mm

Empty weight: approx. 115kg

### Description

- hot water supply for WL 312 and WL 315C
- display of temperatures and flow rate

The main function of WL 312.10 is to provide a hot water circuit for experiments with WL 312 and WL 315C. To do this, the supply unit is equipped with a heated water tank and a pump for the hot water circuit, connections for the cold water inlet and a switch cabinet with displays and controls.

Two heaters heat the water in the water tank. A pump transports the heated water from the water tank through pipelines to the WL 312 or WL 315C trainer (feed). From the WL 312 or WL 315C trainer, the water flows back into the water tank of the supply unit (return) via pipes.

The flow rate in the hot water circuit is adjusted by means of valves.

The temperatures of the water in the flow pipe, in the return pipe and in the water tank are displayed. The flow rate is displayed by means of a rotameter. Two sight glasses indicate the lowest and the highest water level.

### Required for operation

cold water connection, drain

### Scope of delivery

- 1 supply unit
- 1 set of hoses
- 1 set of tools

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Required accessories

WL 312                    Heat transfer in air flow  
or  
WL 315C                Comparison of various heat exchangers