

# WL 312.01

## Heat transfer with plain tubes



The illustration shows a similar unit

### Learning objectives/experiments

- heat transfer with smooth pipes

### Specification

- [1] accessory component for the trainer WL 312
- [2] heat transfer with smooth pipes
- [3] housing with sight window
- [4] installation in WL 312 with quick-release fasteners

### Technical data

LxWxH: 380x500x390mm  
Weight: approx. 16kg

### Scope of delivery

- 1 experimental unit

### Description

- accessory component for the trainer WL 312
- tube bundle of smooth tubes
- water-to-air heat exchanger

The following accessories are recommended for supplying heat exchangers: Hot water generator WL 312.10) and Water chiller (WL 312.11).

Heat exchangers with smooth tubes are used in systems where deposits on the tube must be avoided and fast and effective cleaning is desirable.

This water-to-air heat exchanger is inserted into the air duct of WL 312 and fixed in place with fasteners. It is connected to the hot or cold water supply via hoses with quick-release couplings. A transparent cover provides a view inside the heat exchanger. The water flows through the tube bundle. The air travels through the heat exchanger in cross flow.

# WL 312.01

## Heat transfer with plain tubes

Required accessories

WL 312                    Heat transfer in air flow

Optional accessories

WL 312.10            Hot water generator

WL 312.11            Water chiller