

# WL 312.02

## Heat transfer with finned tubes



The illustration shows a similar unit

### Learning objectives/experiments

- heat transfer with finned pipes

### Specification

- [1] accessory component for the trainer WL 312
- [2] heat transfer with finned 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 finned tubes
- water-to-air heat exchanger

Heat exchangers with finned tubes are used when optimum heat transfer between gaseous media and liquids is to be achieved and the media must not be contaminated.

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.

The tube bundle consists of finned tubes, which are often used in water-air heat exchangers. 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.

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

## **WL 312.02**

### **Heat transfer with finned tubes**

Required accessories

WL 312                    Heat transfer in air flow

Optional accessories

WL 312.10            Hot water generator

WL 312.11            Water chiller