

HL 722

Control unit for ventilation system



Learning objectives/experiments

- temperature control of the air flow in a ventilation system

Specification

- [1] temperature control of a ventilation system
- [2] circulating pump
- [3] 3-way mixing valve DN 20
- [4] electronic controller with temperature sensor and setting of the reference variable
- [5] 3 thermometers and 1 temperature sensor with display
- [6] quick-release couplings for connection to hot water supply and ventilation system

Technical data

Pump

- power consumption: 70W
- max. flow rate: 60L/min
- max. head: 4m

Measuring ranges

- temperature:
 - ▶ 1x -50...600°C
 - ▶ 3x 0...120°C

230V, 50Hz, 1 phase
 230V, 60Hz, 1 phase
 120V, 60Hz, 1 phase
 UL/CSA optional
 LxWxH: 1000x650x1450mm
 Weight: approx. 65kg

Description

■ temperature control for ventilation system HL 720

The trainer HL 722 is required if the ventilation system HL 720 is to be used for experiments with room temperature control.

The trainer is connected between the ventilation system and an external source of hot water using quick-release couplings. With this arrangement it is possible to demonstrate room temperature control in ventilation systems.

Only original parts were used for the trainer.

Required for operation

cold and hot water connection: 1 bar, 2000L/h
 drain

Scope of delivery

- 1 experimental unit
- 1 manual