

# 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

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Required accessories

065.72000	HL 720	Ventilation system
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