ET 499.30

Cutaway model: ceiling air cooler

Description

- **cutaway models of industrial components used in refrigeration engineering**

A thermostatic expansion valve, a filter/drier and a ceiling fan air-cooler (evaporator) in the form of cutaway models are fitted to a base plate.

The components are cut such that important individual features and functions are visible.

Learning objectives/experiments

- principle of operation and layout of an expansion vessel
- principle of operation and layout of an evaporator
- principle of operation and layout of a filter/drier

Specification

[1] cutaway models of refrigeration components: thermostatic expansion valve, filter/drier, ceiling fan air cooler
[2] mounted on base plate
[3] functionality preserved

Technical data

Thermostatic expansion valve
- with internal pressure compensation
- nozzle size: 3
- LxWxH: 79x32x65mm

Filter/drier
- L=132mm, Ø 58mm

Ceiling fan air cooler
- volumetric air flow rate: 260m^3/h
- capacity: 0,33kW
- cooling surface area: 2,2m^2
- LxWxH: 440x430x130mm
- Weight: 8,6kg

LxWxH: 750x500x190mm
Weight: approx. 20kg

Scope of delivery

1 base plate with cutaway models
1 description