

# ET 499.19

## Cutaway model: automatic expansion valve



### Learning objectives/experiments

- layout and function of an automatic expansion valve

### Specification

- [1] cutaway model of an automatic expansion valve
- [2] functionality of moving parts preserved

### Technical data

- Nominal rating range
- 1,4...30,8kW (R22)
- Evaporation pressure range
- 1...7bar
- Default setting for evaporation pressure
- 2,2bar
- Max. pressure PS
- 25,5bar
- Max. ambient temperature
- 100°C

### Scope of delivery

- 1 cutaway model
- 1 description

### Description

#### ■ cutaway model of an automatic expansion valve

The cutaway models illustrate commercial components used the field of refrigeration engineering, such as compressors, valves, driers and liquid separators.

The location of the cuts allow the design details to be clearly seen. A short description is included.

The larger cutaway models are mounted on a base plate. Two handles aid transportation.