

# ET 499.18

## Cutaway model: thermostatic expansion valve



### Learning objectives/experiments

- layout and function of a thermostatic expansion valve

### Specification

- [1] cutaway model of a thermostatic expansion valve
- [2] functionality of moving parts preserved

### Technical data

#### Connections

- inlet: 5/8"UNF
- outlet: 3/4"UNF
- capillary tube length: 1,5m
- sensor:  $\varnothing=12\text{mm}$
- sensor length: 68 or 80mm

Refrigerant R134a

Max. operating overpressure: 31bar

Temperature range: -45...20°C

Without evaporation pressure limitation

### Scope of delivery

- 1 cutaway model
- 1 description

### Description

#### ■ cutaway model of a thermostatic 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 and a sectional view are included, so the models can also be used for technical drawing exercises.

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