

# 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: Ø 12mm
- sensor length: 68mm or 80mm

max. operating overpressure: 31 bar  
 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 in the field of refrigeration engineering, such as compressors, valves, driers and liquid separators.

The location of the cuts allows 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.