

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 locations 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.