

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 to 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 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.