

ET 150.01

Refrigerant filling and evacuation equipment



Description

- **evacuation and filling of refrigeration systems**
- **suitable for refrigerant R513A**

The accessory ET 150.01 is used to evacuate and fill refrigeration systems. The components used are common in refrigeration and therefore closely related to practice.

The refrigeration system is evacuated using a vacuum pump. Evacuation using the vacuum pump removes air and humidity from the refrigeration system to allow subsequent filling with refrigerant. The correct amount of refrigerant is monitored using the filling balance.

Learning objectives/experiments

- prepare the filling station
- evacuate the refrigeration system
- fill the refrigeration system

Specification

- [1] portable equipment
- [2] vacuum pump and filling balance
- [3] 4-way-valve assembly aid
- [4] pulsation-damped manometer for intake pressure, high pressure; vacuum meter
- [5] manometer for intake and high pressure
- [6] high pressure and intake pressure connections

Technical data

Vacuum pump

- motor power: 0,25kW

Intake volume: 66L/min

Final vacuum: 0,02mbar

Measuring ranges

- intake pressure: -1...8bar
- high pressure: 0...31 bar
- vacuum: 0...1000mbar

230V, 50Hz, 1 phase

230V, 60Hz, 1 phase

120V, 60Hz, 1 phase

UL/CSA optional

LxWxH: 510x175x485mm

LxWxH: 370x270x60mm (balance)

Weight: approx. 15kg

Scope of delivery

- 1 vacuum pump
- 3 filling hoses
- 1 balance
- 1 manual