Evacuation and filling of refrigeration systems for refrigerant R134a

Technical Description
The accessory ET 150.01 is used to evacuate and fill refrigeration systems. 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. The equipment is designed for the CFC-free refrigerant R134a.

Learning Objectives / Experiments
- Prepare the filling station
- Evacuate the refrigeration system
- Fill the refrigeration system

Scope of Delivery
1 vacuum pump
3 filling hoses
1 filling balance
1 instruction manual

Specification
[1] Portable equipment
[2] Vacuum pump and filling balance
[3] 4-valve assembly aid
[4] Pulsation-damped manometer for intake pressure, high pressure; vacuum meter
[5] Manometer for intake and high pressure with temperature scale for refrigerant R134a
[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...31bar
- vacuum: 0...1000mbar

Dimensions and Weight
l x w x h: 510x175x485mm
l x w x h: 370x270x60mm (filling balance)
Weight: approx. 15kg

Connections
230V, 50/60Hz, 1 phase or 120V, 60Hz/CSA, 1 phase

Order Details
061.15001 ET 150.01 Refrigerant Filling and Evacuation Equipment