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Product Name :
Refrigeration Components for Basic Experiments

Product Code :
LBNY-0005-11700042



Description :

The super Heater included in the set is a heat exchanger ensuring the complete evaporation of the refrigerant before entering the compressor whilst the liquid refrigerant is supercooled upstream of the expansion element. The set includes simple refrigeration components, such as expansion elements and filters, as well as electrical components, e.g. switches and thermostat. Via pressure and temperature measurements the change of state of the refrigerant can be tracked and entered. The temperature is measured by interlaboratory thermometers. The control behaviour of the expansion element is monitored at the flow meter. Manometers provide an insight to the pressure ratios in the refrigeration circuit.

Technical Specification :

Assembly aid: 4-port directional valve with sight glass
Sight glass with humidity indicator
Pressure-controlled expansion valve
Components for the setup of simple refrigeration circuits in conjunction
Heat exchanger as superheater
3-pin circuit breaker
Components mounted on plates ready to connect
Thermostatic expansion valve
2 thermostats with different temperature ranges.

Laboratory Instrument India

