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Product Name :
Simple Compression Refrigeration Circuit Unit

Product Code :
LBNY-0005-125000114



Description :

Typical compression refrigeration system with piston compressor, thermostatic expansion valve, evaporator and condenser (each in the shape of a pipe coil)
Sight glass to monitor the aggregate state of the refrigerant
Fundamentals of refrigeration in a simplified model
2 water-filled tanks with thermometer to demonstrate the cooling and heating effect
Pressure switch to protect the compressor
2 manometers with temperature scale for the refrigerant show the values of the refrigerant on the high and low pressure sides.

Technical Specification :

Compressor
Refrigeration capacity: 278W at 5/40°C
Displaced volume: 2,72cm³
Power consumption: 104W at 5/40°C
Manometer with temperature scale for R134a
Intake side (low pressure)
Temperature: -50...40°C
Pressure: -1...12,5bar
Delivery side (high pressure)
Tank: 4x 1700mL
Temperature: -40...80°C
Thermometer: 2x -10...50°C

Pressure: -1...25bar.



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