

Maintenance unit of a household freezer

DESCRIPTION

- The unit consists of a hermetic compressor, an air condenser with natural convection and an evaporator included in the side.
- The unit is controlled by a thermostat.
- The unit is designed to maintain an internal temperature : -14...-20°C.
- The refrigerant is R134a, in keeping with European standards.
- The refrigerator cabinet is a vertical cabinet with one door and several shelves. The storage capacity is 373 L.
- The freezer is equipped with instruments to measure flow rates, temperature, pressure, and electric power. This allows for a complete study of the refrigeration process.

SUGGESTED APPLICATIONS

- Function and maintenance of a freezer
- Function of a refrigeration system with vapour compression
- Drawing a diagram of the refrigeration cycle – computation of balance
- Diagnosis of electrical or refrigeration failures.

