

The cold store with compressor on 2 floors

DESCRIPTION

- The cold store with compressor on 2 floors is delivered complete, instrumented with technical and teaching handbook.
- Design, manufacture and industrial material.
- Material complete of safety, controls and measures.
- The didactic interest of the installation is directed towards various levels and fields of studies.
- Use of the refrigerant R 404 is in conformity with the new standards of the refrigerants



TEACHING APPLICATIONS

Operation of two levels compression equipment

- Semi-hermetic compressor on 2 floors
- Heat exchanger
- Powers
- Performances coefficients

Fluid circuit

- Assembly and disassembling of the network pipes
- Possibilities of modifications
- Startup.

1. Hermetic compressor accessible on 2 floors

Industrial Standard
 Refrigerant: R404A
 - Temperature of condensation +45°C
 - Temperature of maximum evaporation -40°C
 Pressure: 29 bars
 Refrigerating power: 4870 W

2. Plate heat exchanger

3. Thermostatic pressure reducer with external equalization

4. Liquid indicator

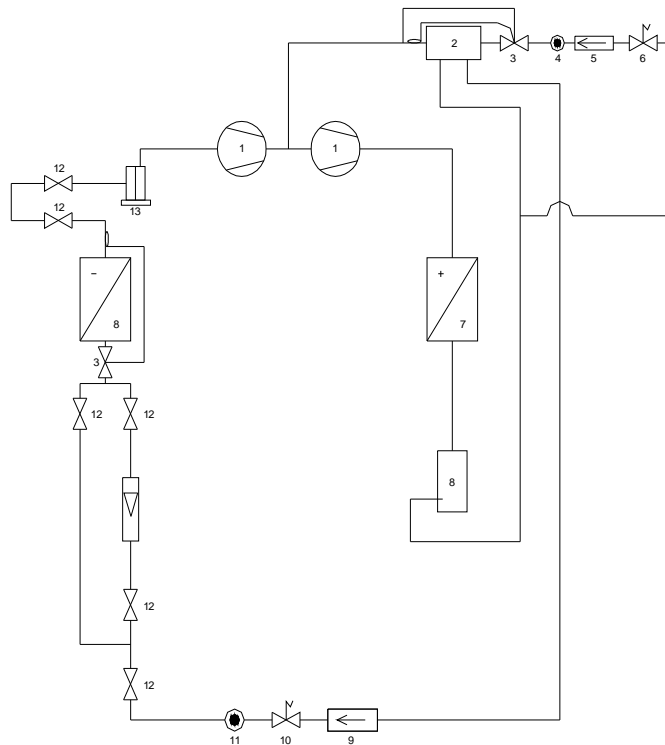
5. Dehydrator

**6. Electromagnetic valve
 24 Volts of mark manor house**

7. Atmospheric condenser

8. Liquid tank

9. Dehydrator



10. Electromagnetic winnow

11. Liquid indicator

12. Winnow service

13. Bottle filter of aspiration

14. Cubic evaporator

System of regulation and safety

manometer high pressure
 manometer intermediate pressure
 manometer with low pressure
 controller high pressure
 controller low pressure
 combined controller
 Thermostat of safety

Cold room

Insulation 100mm foam polyurethane
 Dim 830x830x2030 mm
 Loss 0.212W/m². °C
 (coefficient K)
 Depressurization valve
 Cord heating of door
 Heating cord for evacuation of condensed
 Heating electric for simulation of load of 2000W

Numerical indicator with probes placed at the points characteristic of the installation

UTILITIES

Electricity : 380 V tri – 50/60 Hz
 Evacuation of condensed

INSTALLATION VOLUME

Length : 1850mm
 Width : 1240mm
 Height : 2000mm
 Weight : 350kg