



ZM6112 Negative Temperature Room Trainer

Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!



I Introduction

The trainer is properly designed for educational aims and studies the refrigeration at negative temperature it includes all the parts of an industrial refrigeration system, including a properly insulated freezing room with defrost of the garnish of the door and an electronic controller with automatic defrost of the evaporator an electric heater simulates the variations of temperature inside the room.

II Training Program

Plant starting and verification of the safety devices intervention

Study of the operation and set up of a thermostatic expansion valve

On-off control

Analysis of the system behavior at variation of:

- Thermostatic valves superheat

- Condenser air flow

Drawing the cycle in the pressure - enthalpy diagram of the refrigerant gas

Data collection and calculation of:

- Thermal balances at evaporator, condenser compressor

We supply software which can be connected to PC, it can achieve data monitoring by PC.

Supply software which can monitor voltage, current, frequency, power, power factor, pressure, flow, etc, they can be displayed on PC in real time, and can print report.

Supplied with:

General Refrigeration Manual

Experimental Handbook