

Product Name :
Refrigeration Assembly and Maintenance Accessories

Product Code :
RAC0012



Description :

Refrigeration Assembly and Maintenance Accessories

Technical Specification :

The Refrigeration Assembly and Maintenance Accessories unit trainees can learn working within a complex project.

This involves the planning, implementation and checking of processes related to assembly, commissioning and maintenance.

The assembly relates to refrigeration installation: installation of the LP and HP pressure switches, the expansion valve and the pipework of the refrigeration circuit.

The pipe joints are not soldered but bolted.

The electro technical installation includes the wiring and connection of all units and switching elements.

The experiment is arranged on a workbench with drawers for storing the components and tools.

Assembly panel and refrigeration chamber are mounted on a frame.

The refrigeration and electrical components are attached to the aluminum assembly panel.

Frame, condensing unit and switch cabinet are bolted permanently to the working surface.

FEATURES:

Planning and executing assembly steps and processes

Making pipe joints in accordance with a system diagram

Carrying out electrical installation in accordance with a circuit diagram

Filling and evacuating of the refrigeration system

Commissioning and checking the refrigeration system after successful assembly

Assembly of a refrigeration system from individual components

SPECIFICATION:

Condensing unit :
Power consumption: 190W
Refrigeration capacity: 373W at 5°C evaporation temperature
Receiver: approx. 1L
Show case evaporator
Capacity: 50W at $t_0 = -6^\circ\text{C}$, $\Delta T = 8\text{K}$
Transfer area: 1,06m²
Refrigeration chamber with sight window :
LxWxH: 480x280x390mm
Aluminum assembly panel
LxW: 710x500mm
Thermostatic expansion valve, adjustable
Thermostat, adjustable: -30...15°C
Required for operation :
230V, 50Hz, 1 phase
230V, 60Hz, 1 phase

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