

MODEL TU-100

BASIC REFRIGERATION

This training unit demonstrates domestic refrigerator and freezers, self-contained air conditioning units and reverse cycle or heat pump systems.

Features:

- Sight glass tubes at inlet and outlet of evaporator and condenser constructed of explosion proof, tie-bolt design
- Stainless steel drip pans with drains located under each evaporator and condenser
- Uses popular, brand name components
- Color-coded valves, gauges and hand valves to bypass various components and change from cooling to heating (heat pump operation)
- Conditions of refrigerant and oil can be observed under various methods of operation
- Pressure gauges located at each point in which pressure variation is likely to occur
- Refrigerant flow to evaporator metered either by capillary tube, automatic expansion valve (AXV), or thermostatic expansion valve (TXV)
- Evaporator has copper tube coils, aluminum fins, and variable speed blower
- Condenser with a variable-speed blower
- A combination low pressure control and high pressure cutout and a thermostatic control with a range of -30°F to 100°F furnished
- High pressure cutout in the circuit at all times to prevent damage to the compressor
- Includes a student lab manual and operation manual

Specifications:

- Compressor: 1/2 HP hermetically sealed reciprocating
- Refrigerant: HFC-134A
- Panels: 1/4" thick with 3/4" thick component shelf
- Overall Size: 36"W x 18"D x 73"H
- Electrical Requirements: 115V AC; 50/60 Hz; 10A



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