

# TRAINING UNITS

## TU-130 BASIC REFRIGERATION TRAINING UNIT WITH WATER COOLED CONDENSER

*This training unit demonstrates domestic refrigerators, freezers, and self-contained air-conditioning units with a co-axial, tube-in-tube heat exchanger/condenser.*

### Specifications

Electrical requirements: 120VAC; 60Hz; 15A

Uses R-134a Refrigerant

Overall Size: 34.5" L x 18" W x 77.5" H

1/3 HP hermetically sealed reciprocating compressor.

Panels are 1/4" thick HDPE with steel reinforced component shelf

### Features

- Sight glass tubes at inlet and outlet of evaporator and condenser constructed of explosion-proof, tie-bolt design
- Drip pan with drain located under evaporator
- Color-coded valves, gauges, and hand valves to bypass various components
- 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)
- Aluminum fin, copper tube evaporator with variable speed fan for load adjustment
- Water cooled condenser with standard hose connections and ball valves to meter water flow
- A combination low and high pressure control in the circuit at all times to prevent damage to the compressor
- Electronic temperature control with a range of -30°F to 100°F
- Includes Operation Manual
- Water Hoses not Included



E-LEARNING CURRICULUM  
NOW AVAILABLE

**TU-130: Suggested 4 courses totaling 63 credit hours**

*Subscription includes Instructor's selection of any 5 courses in catalog. Add more courses by request.*

1. 101 Fundamentals
2. 141 Refrigeration I
3. 142 Refrigeration II
4. 143 Refrigeration Cycle Service Procedures

**INCLUDES:** The popular iManifold 900C service kit, and a new iManifold Pulse kit for permanent installation and 24/7 monitoring on a package unit. See page 34 for more details.

**iConnect**<sup>®</sup>  
TRAINING



**Shipping Weight: 480 lbs.**  
**Shipping Dimensions: 49" L x 45" W x 87" H**