



### Features

- Designed to demonstrate operation of Industrial Refrigerator.
- Comprehensive Instrumentation Panel with all necessary measuring instruments & safety devices.
- Environment friendly CFC Free refrigerant R-134a
- Instruments provided for Fault simulation.

### Description

Tesca Double cell Refrigeration Trainer 32414 is designed to demonstrate operation of an industrial refrigerator with open type compressor. Refrigeration circuit is visible and all components are shown. It includes an open type compressor, forced air cooled condenser, evaporators & freezer, thermostatic expansion valve, suction & discharge pressure regulating valves. Measuring instruments are provided to measure Cycle Pressure; Temperatures at different points, Power Consumption are fitted on Instrument panel.

The trainer used all industrial components & is fitted with safety devices required for safe operation of the system. The trainer is also provided hand valves for fault simulation & defrost timer.

Detailed Operation & Maintenance Manual is provided along with the trainer.

### Technical Specifications

The Double cell Refrigeration Trainer is designed to

Note: Specifications are subject to change.

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### Experiments Possibilities

- To study layout and components of an Industrial refrigerator.
- Reading process parameters.
- Familiarization refrigeration cycle.
- Using a p-h state diagram.
- Demonstration of Defrosting Process.