

Product Name :
Domestic Vapour Absorption System Trainer

Product Code :
NEGEMG151

Description :

Domestic Vapour Absorption System Trainer

The Vapor Absorption Refrigeration Trainer is designed to demonstrate working of Aqua-Ammonia Vapor Absorption Refrigeration Cycle & evaluate its performance.

The trainer uses packaged refrigerator having electrically heated Generator, Absorber, Condenser, Evaporator mounted in an insulated cabinet where refrigeration load can be applied. The refrigerator uses mixture of Water & Ammonia as refrigerant. Due to absence of mechanical compressor, the refrigerator is quite in operation.

Instruments to measure Temperatures at different points, Power Consumption, Heater Load are fitted on Instrument panel.

EXPERIMENTAL CAPABILITIES:

- To identify components of Vapor Absorption Refrigeration System.
- To plot the vapor absorption cycle on P-h Chart.
- To calculate COP of Vapor Absorption Refrigeration Cycle.

SPECIFICATIONS:

- Domestic Vapor Absorption System: Packaged refrigerator working on Vapor Absorption Cycle. Refrigerator includes Electrically Heated

Generator, Absorber, Condenser, Evaporator, insulated cabinet. Capacity 41 Ltrs. Cooling Capacity 50 Watt Approx., Power consumption 60 – 70 Watt

- Energy meter: Digital Indicator
- Temperature Sensors: PT 100 temperature sensors – 6 Nos.
- Temperature Indicator: 6 Channel Indicator with Selector Switch, Range 0-199.9 °C
- Frame: Made of M.S. Square Tubes & Sheets, Welded & Powder coated.

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