

Product Name :
Vapor Absorption Refrigeration Cycle Test Rig

Product Code :
RLE-0012



Description :

Vapor Absorption Refrigeration Cycle Test Rig

Technical Specification :

Range Of Experiments:

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- To study all components used in vapor absorption cycle.
 - To study the working of the Vapour Absorption cycle.
 - To find out Refrigeration effect, Heat input, Actual COP, Ton of Refrigeration, Plant efficiency.

Specification:

- Generator with electric heating system and properly insulated and covered with aluminum sheet. Automatic pressure release valve and thermostat.
- Analyzer & a rectifier.
- Condenser for condensing ammonia vapors in to liquid Ammonia with pressure release valve.
- Throttling device for liquid Ammonia.
- Evaporator with insulation & covered with powder coated aluminum sheet & having volume of 10 liters.
- Solution pumps for pumping Ammonia- Water solution from absorber to Generator.
- Pressure reducing valve in return solution line from generator to absorber.
- Solution and refrigerant piping for connection all components.
- Voltage stabilizer suitable Capacity for giving power output at 230 volts \pm 5%.
- Digital temperature indicator for measurement of temp at various points likes.
- Generator
- Condenser
- Evaporator
- Absorber
- Cooling water inlet & outlet to Absorber, Condenser.
- Combine Digital Voltmeter Ammeter: 1 No,
- Mounting frame complete equipment made out of M S channel /angle of 1 mtr height powder coated.
- Display boards measuring 3 x 2 ft. wall mounted type depicting the schematic diagram, details of equipment.

Service Required:

Single phase 230 V AC, 5 Amp supply.

- Space required: floor space 1 mtr x 0.5 mtr.

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