



Product Code . EL-RAACLE-11512

Vapour Absorption Test Rig

Description




Vapour Absorption Test Rig

The system is pre-charged with three fluids namely water, ammonia and hydrogen. In the absence of a compressor or pump, the circulation takes place by density difference. "Vapour Absorption Refrigerator" earlier known as "Electrolux" refrigerator is a self contained refrigerator working on absorption technology. Hydrogen is used as an "inert gas" and does not undergo any phase change and heat transfer processes. In the condenser, the high pressure vapours reject its latent heat to the surroundings and get liquefied. Its purpose is to keep the pressure of the system constant. It uses an electrically operated generator, where, the ammonia vapours dissolved in water are separated and pure ammonia vapours enter the condenser. The liquid ammonia expands through expansion device where its pressure and temperature is reduced and cold low pressure vapour enters the evaporator where it absorbs heat from the space to be cooled and then vaporized ammonia absorbs in water. This strong solution then enters the generator and the cycle repeats.

We are leading manufacturers, suppliers of Vapour Absorption Test Rig Test Rig for Refrigeration and Air Conditioning Lab Equipments. Contact us to get high quality Vapour Absorption Test Rig Test Rig for Refrigeration and Air Conditioning Lab Equipments for schools, colleges, universities, research labs, laboratories and various industries.

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