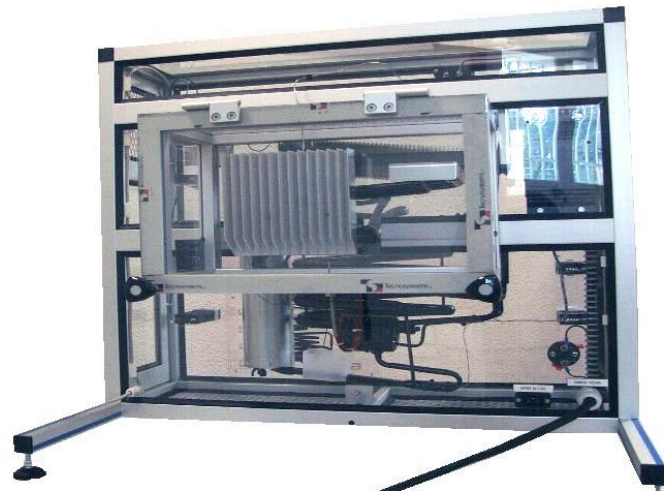


Absorption refrigeration cycle

DESCRIPTION

- This unit is delivered complete with instrumentation and includes a technical and instruction manual.
- Designed and manufactured to industrial standards.
- It demonstrates the process of producing low temperatures by heat source (electrical or gas burner), without any components in rotation. It uses NH_3 as a refrigerant and water as a solvent.
- This unit can be used at different levels and in various fields of study.



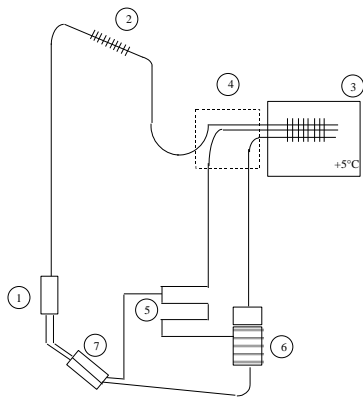
SUGGESTED APPLICATIONS

Study of the basic concepts found in an absorption refrigeration unit of the diffusion type.

Study of the important phases of the cycle.

Analysis of thermal results through the evaporator and the other components

Calculation of global efficiency.



1. Boiler
2. Condenser
3. Cold chamber/evaporator
4. Heat exchanger
5. Absorber
6. Receiver
7. Liquid heat exchanger

The absorption refrigeration cycle demonstration unit is a single stage refrigeration machine using NH_3 diffusion in hydrogen.

This is the common process used in domestic applications.

DIMENSIONS

Length : 700 mm
Width : 600 mm
Height : 1100 mm
Weight : 60 kg

UTILITIES

Electricity : 230 Vac – 50 Hz
Other voltage can be provided on request
Propane bottle

SHIPPING SPECIFICATIONS

Packing case size
Height : 1300 mm
Length : 800 mm
Width : 700 mm
Weight : 95 kg