



GENERAL EXPLANATION

This training set is designed to introduce the application of the ammonia-water mixed absorption cooling and to show the temperature changes.

EXPERIMENTS

1. Observation of the absorption refrigeration cycle and measurement of the temperatures

DIMENSIONS

A x B x H : 680 x 500 x 1320 mm

OPTIONAL FEATURES

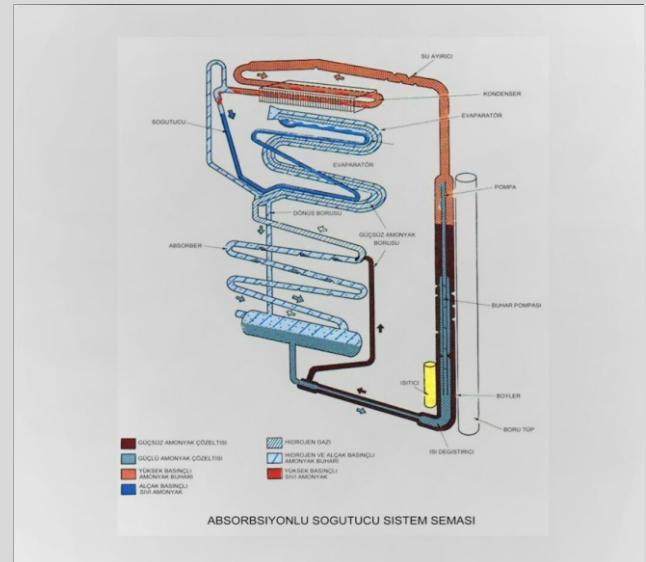
- Touch LCD Display
- USB Computer Connection
- Computer Control

PACKAGE INCLUDED

Device, device cover, 1 printed experiment report, circuit diagram and product catalog

TECHNICAL SPECIFICATION

Absorption refrigeration cycles are systems that operate with two fluid pairs. It is composed of the refrigerant which evaporates in the generator and the absorbent which performs the cooling process in the absorber. Absorption refrigeration systems generally resemble vapor compression systems, but in these systems the absorber, generator, expansion valve and solution pump are located in the compressor. The only difference between an absorbing refrigeration system and a steam compression mechanical refrigeration system is the compressor. In the case of absorbing systems, the group of heat exchangers consisting of the boiler and the absorber is performing the compressor function. Both systems have a condenser, a throttle valve and an evaporator. In addition to these, in the absorptive system, absorber, pump and boiler.



TECHNICAL DETAILS

- Ammonia water mixed system
- Resistance
- Digital multimeter
- Digital temperature measurement from 4 different points
- Transparent cooling unit
- Digital measurement of electrical data