

**Product Name :**  
Absorption Refrigeration Trainer

**Product Code :**  
DM848



**Description :**

Absorption Refrigeration Trainer

**Technical Specification :**

Absorption Refrigeration Trainer This trainer has been designed to study the absorption refrigeration cycle. The heat coming from a gas burner or from electric resistors vaporizes the ammonia contained in the solution of the generator. Ammonia vapour condenses in the exchanger and passes into the evaporator where it evaporates at low temperature. The ammonia vapour coming from the evaporator and the water coming from the generator are combined again in the absorber and close the cycle passing into the generator. Steel structure mounted on wheels, painted and treated in the oven Colour silk-screen-printed schematic diagram of the hydraulic circuit with warning LEDs Welded airtight circuit of carbon steel including 1 boiler, 1 finned condenser for heat exchange with the environment, 1 evaporator and 1 absorber Refrigerant: water/ammonia solution 12 V electric resistors 230 V to 12 V transformer and rectifier LPG burner with pressure reducer and electronic ignition Cold room in transparent material with 2 compartments Full set of instruments for acquiring operating data, including: electronic thermometers with Pt100 probes to be inserted in various test points arranged along the hydraulic circuit voltmeter ammeter Power supply: 230 Vac 50 Hz single-phase - 150 VA (Other voltage and frequency under request) Dimensions: 130 x 80 x 180 cm Net weight:

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## **Naugralabequipments**

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