

VAPOR-LIQUID EQUILIBRIUM

RU 296

Description:

Accurate data of the equilibrium between liquid and vapour for two phases mixture is a vital part of designing of chemical processes and distillation devices. In this unit we study the liquid-vapor equilibrium of the mixture of ethanol and water the present experiments were conducted at various temperatures at 1 atm and the experimental data were collected and some were compared with theoretical results. Instrumentation is provided to measure the temperature at different points.

Specifications:

- Equipped with Stainless steel boiler located at the bottom of the device
- Equipped with electrical heater
- Condenser
- Rotameter to adjust the flow
- Temperature sensors
- Fittings, pipes and valves
- Product tank made of glass
- Electrical control panel with displays and switches
- Wheeled carbon steel structure
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Obtaining equilibrium data for ethanol and water mixtures at different temperatures and atmospheric pressures

Required For Operation:

- 220V Single Phase Electricity
- Urban Water Supply
- Urban Water Drainage
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%

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Dimensions (L*W*H) mm:1400x 700 x 1800

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