HEAT TRANSFER BENCH

RH 205

Description:

A heat exchanger is a system used to transfer heat between two or more fluids. Heat exchangers are used in both cooling and heating processes. The fluids may be separated by a solid wall to prevent mixing or they may be in direct contact. This unit is consisted of a comprehensive setup containing different heat exchangers that allows the users to observe and compare the different heat transfer equipment as well as changing flow direction.

Specifications:

- Stainless Steel shell and tube heat exchanger
- Stainless Steel Double pipe heat exchanger
- Plate heat exchanger
- Centrifugal pump
- Electrical heating element
- Fiberglass storage tank for hot water
- Sensors for measuring temperatures
- Rotameters for hot and cold water
- 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. Comparing various types of heat exchangers performance
2. Comparing co-current and counter-current flow
3. Obtaining transferred heat
4. Finding total heat transfer coefficient and heat exchanger efficiency

Required For Operation:

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

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Dimensions (L*W*H) mm:1200×600×1400