SHELL AND TUBE HEAT EXCHANGER

RH 073

Description:

Shell and tube heat exchanger is the most common class of heat exchanger designs. As its name implies, this type of heat exchanger consists of a shell with a bundle of tubes inside it. One fluid runs through the tubes, and another fluid flows over the tubes (through the shell) to transfer heat between the two fluids. Baffles are placed inside the shell to guide the flow and to increase the heat transfer as much as possible.

Specifications:

- Shell and tube heat exchanger with stainless steel tubes
- Centrifugal pump
- Hot reservoir tank with heating element
- Temperature sensors
- Two rotameters for measuring and regulating the flow of cold and hot fluid
- Electrical control panel with displays and switches
- Piping system with valves and fittings
- 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. Familiarizing with shell and tube heat exchanger and its performance
2. Obtaining transferred heat and heat transfer coefficient
3. Comparing co-current and counter-current flow

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:1200×800×1600

HEAT TRANSFER