

Product Name :
Multi Heat Exchanger with Data Acquisition

Product Code :
ENGLABINGCAG330012



Description :

Multi Heat Exchanger with Data Acquisition

Technical Specification :

FEATURES:

- Comparison of heat transfer for concentric tube, shell and tube, and plate heat exchanger.
- Demonstration of heat transfer under parallel or counter flow.
- Demonstration of batch type heat transfer for jacketed vessel.
- Determination heat transfer coefficient.
- Effects of flow rate and temperature difference.
- Functions of the software: educational software, data acquisition, system operation.
- Useful for institutions, research laboratories & insulating powder manufactures.

SPECIFICATION:

Heat exchangers :

Concentric tube: 2 sections of stainless steel inner tube with clear acrylic casing.

Shell and tube: Stainless steel inner tubes with clear acrylic casing.

Plate: Stainless steel multiple plates.

Service module consisting of :

Hot water tank and pump.

Heater: 3000 W.

Temperatures: 14 ea.

Flow meters: Hot water and cold water.
Temperature control unit: 1 ea.

Stainless steel jacketed vessel with coil and stirrer

Vessel content :
With a temperature sensor.
Jacket heat transfer area approximately 600 cm²
Coil heat transfer area approximately 350 cm²
Stirrer: 0- 500 rpm



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