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Product Name :
Concentric Tube Heat Exchanger Transparent Casing

Product Code :
LBNY-0005-11200080



Description :

The module comprises a service module, hot water tank with a transfer pump and instruments for monitoring and control. Parallel or counter flow is by switching cold water hoses. The Concentric Tube Heat Exchanger, Transparent Casing apparatus is used for studying the heat transfer through a concentric tube under parallel or counter flow conditions. The unit requires outside cooling water supply. The unit consists of a concentric tube heat exchanger, and a service module.

Experiments:

Effects of flow rate and temperature difference.
Demonstration of heat transfer under parallel and counter flow.
Determination of heat transfer coefficient.

Technical Specification :

Technical Data:

Construction :
2 ea. temperature sensors.
2 sections of stainless steel inner tube with clear acrylic casing.
Service module consisting of :
Hot water tank and pump.
Flow meters : Hot water and cold water.
Heater : 3000 W.
Temperatures : 5 ea.
Power supply : 220V 1Ph 50 Hz.



Laboratory Instrument India