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**Product Name :**  
Shell And Tube Heat Exchanger Transparent Casing

**Product Code :**  
LBNY-0005-11200077



#### **Description :**

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

#### **Experiments:**

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

#### **Technical Specification :**

##### **Technical Data:**

Construction: Stainless steel tubes with clear acrylic casing.  
Service module consisting of:  
Flow meters: Hot water and cold water.  
Hot water tank and pump.  
Temperatures: 5 ea.  
Heater: 3000 W.  
Power supply: 220V 1Ph 50 Hz.



**Laboratory Instrument India**