



Email : sales@laboratoryinstrumentindia.com

Product Name :
Water To Air Heat Exchanger Accessory

Product Code :
LBNY-0005-10200016



Description :

The flexible hoses connect to a small service console containing a water heater, reservoir, circulating pump and flowmeter. The flow and return temperatures of the heated water are measured together with the water flow rate which is also adjustable. The Water To Air Heat Exchanger Accessory includes a series connected copper tube bundle with flexible flow and return hoses that is designed to fit the aperture in the Cross Flow Heat Exchanger duct. This allows investigation of the heat transfer at various operating conditions.

Experimental Capabilities:

Determination of heat transfer rates of water and air together with the efficiency.
Determination of overall heat transfer coefficient and how this is affected by flow velocity.

Technical Specification :

The flow and return temperatures of the heated water are measured together with the water flow rate which is also adjustable. This also allows investigation of the pump characteristics. The use of a pressure measuring device in the service console allows the pressure drop in the heat exchanger to be recorded and related to the flow rate. This allows investigation of the heat transfer at various operating conditions. The accessory includes a series connected copper tube bundle with flexible flow and return hoses that is designed to fit the aperture in the Cross Flow Heat Exchanger duct. For operator safety the service console has an internal high temperature cut out, miniature circuit breakers and overload cut out. The flexible hoses connect to a small service console containing a water heater, reservoir, circulating pump and flowmeter.



Laboratory Instrument India