



Product Code . JL-HTTLP-9207

Combined Convection and Radiation

Description

Combined Convection and Radiation

Specification:-

Comprises a heated cylinder mounted in a vertical air duct, with a fan at the base of the duct, which can be used to provide a variable airflow over the cylinder.

On the computer-controlled unit, the air flow is electronically adjustable over the range 0-7 m/s by a variable-speed fan, otherwise, it is manually adjustable.

A small-scale accessory to introduce students to the principles of combined convection with radiation from a horizontal heated cylinder.

K-type thermocouples measure the air temperature upstream and the surface temperature of the cylinder.

The air flow rate is measured by a vane-type anemometer in the outlet duct.

The accessory is mounted on a PVC baseplate, which is designed to stand on the bench top and connect to the Heat Transfer Service Unit without the need for tools.

Heater rating 100W at 24V DC.
