

Heat Transfer In Forced Convection



Product Categories: [Engineering Equipment](#), [Heat Transfer Lab](#)

Product Page:

<https://www.labappara.com/product/heat-transfer-forced-convection/>

Product Description

Heat Transfer In Forced Convection

The Apparatus Consists Of Blower Unit Fitted With The Test Pipe. Nichrome Wire Heater Surrounds The Test Section. Four Temperature Sensors Are Embedded On The Test Section, Two Placed In The Air Stream At The Entrance And Exit Of The Test Section To Measure The Inlet And Outlet Air Temperature. Test Pipe Is Connected To The Delivery Side Of The Blower Along With The Orifice To Measure Flow Of Air Through The Pipe. Constant Heat Flux Is Given To Pipe By An Electric Heater Through A Variac And Measured By Digital Voltmeter And Digital Ammeter.

Feature:

- Highly durable
 - Reliable performance
 - Has sturdy design
 - Quality approved
- Technical Details:

Test Section : Horizontal, Externally Heated

Diameter: 28 Mm (Approx.)

Length: 400 Mm (Approx.)

Blower: Fhp Of Standard Makes

Heater: Nichrome Wire

Air Flow Measurement: Orifice Meter & Manometer

Control Panel Comprising Of

Digital Voltmeter: 0-300 Volt

Digital Ammeter: 0-2 Amp

Variac: 0-230 V, 2 Amps

Digital Temp. Indicator: 0-3000c, With Multi-Channel Switch