HEAT TRANSFER IN FORCED CONVECTION

MODEL HMT. 006

Forced convection heat transfer mechanism is found very commonly in everyday life, including central heating, air conditioning, steam turbines and in many other machines.

The forced convection apparatus has a Constant speed fan with variable flow control valve The heater is located at the centre of the test section. The forced air flowing through the pipe causes the heat transfer due to convection process. This temperature difference between up and down stream can be determined using the thermocouples placed along the test section.

Specifications	Control Panel	Heater	Thermocouples
• Test Pipe: 32 mm dia • Length: 400 mm • Centrifugal Blower • Orifice meter and Manometer arrangement to measure flow rate	• Digital Voltmeter (0-230V) • Digital Ammeter (0-2 Amps) • (Optional Wattmeter: 400W) • Toggle ON/OFF • Blower Speed Regulator	• 400 Watt • Band Type • Dimmer Controller	• K-type (Cr.Al) • 7 nos. • Multi-Channel Temp. Indicator

** Mechmatics reserves the right to modify its Product without notice*

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