

Wind Tunnel



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Product Page: <https://www.labappara.com/product/wind-tunnel/>

Product Description

Wind Tunnel- Engineering Equipment

Wind tunnel is a tool used in aerodynamic research to study the effects of air moving past solid objects.

A wind tunnel consists of a tubular passage with the object under test mounted in the middle.

Air is made to move past the object by a powerful fan system or other means.

The test object, often called a wind tunnel model is instrumented with suitable sensors to measure aerodynamic forces, pressure distribution, or other aerodynamic-related characteristics.

Specification

Type : Open type Wind Tunnel.

Test Section : 300mm x 300mm x 1000 mm. long with two Perspex windows.

Blower Fan : 10 blades /nylon fan.

Motor : 5 HP D.C shunt motor, 1500rpm.

Speed Controller : 3 phase, thyristor controller to give smooth Speed control.

Air Velocity : In test section - 1 to 25 m/sec.

Duct : Manufactured out of ms sheet.

Length of Tunnel : 7 meter Approx.

Manometer : 15 tube acrylic manometer with inclination arrangement.

Pitot tube