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Product Name :
Flow Visualisation Wind Tunnel

Product Code :
LBNY-0005-16200011



Description :

Ideal for small group experiments or classroom demonstrations, the apparatus is floor standing. A variable speed fan mounted on top of the wind tunnel produces the air flow through the working section. Air flow is vertically upwards. A vertical, suction-type wind tunnel with smoke visualisation. Allows demonstrations and student investigations into the flow of air around a wide variety of differently shaped models. Smoke is produced by the vapourisation of a high-quality food grade oil. A filter helps provide uniform air flow. A smoke generator connects to a comb mounted in the wind tunnel below the working section. Students can move the comb from side to side to aid investigations into the aerodynamic properties of a test model.

Experiments:

When used with the optional models, the visualisation and demonstration of:

Separation

Rotational flow

Boundary layers

Technical Specification :

Working section: Width 180 mm x depth 100 mm x height 240 mm

Air velocity: 0 to 5 m.s⁻¹

Sound levels: Lower than 70 dB

Comb: 23 smoke filaments with 7 mm spacing

Nett dimensions and weight: 700 mm x 600 mm x 1950 mm

Main unit 34 kg, Smoke generator 17 kg

Packed dimensions and weight 1.03 m³ and 159 kg

Total net weight 51 kg.



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