



Key Features

- The Bernoulli's principle which describes the relationship between the flow velocity of a fluid and its pressure.
- An increase in velocity leads to a reduction in pressure in a flowing fluid, and vice versa.
- The total pressure of the fluid remains constant.
- Bernoulli's equation is also known as the principle of conservation of energy of the flow.
- This Apparatus is used with Hydraulic Bench and this experimental unit includes a pipe section with a transparent Venturi nozzle and a movable Pitot tube for measuring the total pressure.
- The Pitot tube is located within the Venturi nozzle, where it is displaced axially.
- The position of the Pitot tube can be observed through the Venturi nozzle's transparent front panel.
- Transparent Venturi for robust use and visualization.
- Familiarization with Bernoulli's principle.
- 6 tube manometers for displaying the static pressures.
- Single tube manometer for displaying the total pressure.
- Axially movable Pitot tube for determining the total pressure at various points within the Venturi nozzle.
- Flow rate determined by Hydraulic bench base module.
- Water supply through Hydraulic bench base module.

Technical Specifications

- Venturi nozzle:
 - Angle at the inlet: 11°
 - Angle at the outlet: 4°
 - Inlet Diameter: 26mm
 - Venturi Throat Diameter: 16mm
 - Outlet Diameter: 26mm
- Pitot tube:
 - Manometer range: 0...200mm
 - Pipe Diameter: 4-6mm
 - Max Flow Rate: 25L/min
 - Manometer Measuring Tube Range: 0...300mmWC

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com



- LxWxH: 600x500x900mm.
- Weight: approx. 28kg.



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