

Product Name :
Bernoulli's Theorem Apparatus

Product Code :
NEGEMG122



Description :

Bernoulli s Theorem Apparatus

The Bernoulli s Theorem Apparatus is designed to experimentally verify the Bernoulli's Theorem. Set up consists of two constant head tanks made of clear acrylic with a venturi tube fitted in between. The venturi tube made in acrylic has 11 pressure measuring points connected to Piezometers so that Pressure Head at each point can be measured.

Arrangements are made to operate the unit under different static heads & at different flow rates. Water is supplied from the sump tank by centrifugal pump & measuring tank is provided to measure the water flow rate. The entire setup is mounted on a strong steel frame.
Experimental Capabilities:

Verification of Bernoulli's Theorem.

Calculating Pressure Head & Velocity Head of fluid at different points along Venturimeter.
To draw Static Head distribution along length of Venturimeter

Specifications:

Constant Head Tank: 2 Nos.
Venurimeter: Convergent – Divergent type, Made in Acrylic with 11 Pressure points
Piezometers: Range: 0 – 300 mm, 11 Nos.
Sump Tank: 100 Liters, made in PVC
Measuring Tank: 32 Liters, Made in PVC, with level indicator
Pump: Self priming, Monobloc Centrifugal Pump, Max. Flow 30 LPM, Max. Head 20 m, 230 V AC
Piping: PVC Piping with valves
Frame: Made of M.S. Square Tubes & Sheets, Welded & Powder coated.

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