

Product Code . JL-BA-7384

Bernoullis Theorem Apparatus



Description

Bernoulli's Theorem Apparatus

Description:-

The equipment is designed and fabricated to demonstrate the Bernoulli's theorem.

Pressure tapings are provided at different locations in convergent and divergent section.

Present set-up is self-contained water re-circulating unit, provided with a sump tank, centrifugal pump etc.

It consists of a test section made of acrylic.

It has convergent and divergent sections.

The flow rate of water is measured with the help of measuring tank and stopwatch.

An arrangement is done to conduct the experiment on different flow rates.

Technical Detail:-

Test Section : Material Acrylic (One Piece).

Water Circulation: ½ HP Pump, Crompton make.

Piezometer Tubes: Material P.U. Tubes (7 Nos.)

Flow Measurement: Using Measuring Tank with Piezometer, Capacity 25 Ltrs.

Stop Watch: Electronic.

Sump Tank: Capacity 70 Ltrs.

Tanks will be made of Stainless Steel.

Inlet Tank: Capacity 20 Ltrs.

Control Panel Comprises of Standard makes On/Off Switch, Mains Indicator, etc.

Experimentation:-

To plot the Total energy Vs distance.

To verify Bernoulli's Theorem experimentally.
