

**Product Name :**  
Flow Measurement Apparatus Venturi meter and Orifice Meter

**Product Code :**  
DM171



**Description :**

Flow Measurement Apparatus Venturi meter and Orifice Meter

**Technical Specification :**

The apparatus consists of two pipelines emerging out from a common manifold. One pipeline contains a Venturi meter, second contains an Orifice. The pressure tapings from the Venturi meter and Orifice meter are taken to differential manometer to measure pressure difference.

The Venturi meter and Orifice meter are connected in parallel and anyone of them can be put in operation by operating valves provided at the downstream. These valves can also regulate the flow. Present Set-up is self contained water re-circulating unit, provided with a sump tank and a centrifugal pump.

Flow control valve and by-pass valve are fitted in water line to conduct the experiment on different flow rate.

Flow rate of water is measured with the help of measuring tank and stop watch.

**Experiments:**

To determine the Co-efficient of discharged through Venturi meter and Orifice meter

To measure discharge through Venturi meter and Orifice meter as flow meter.

**Salient Features:**

Venturi meter: Material Clear Acrylic, Compatible to 1" dia. pipe

Orifice meter: Material Clear Acrylic, Compatible to 1" Dia. Pipe

Water Circulation: FHP Pump, Crompton/ Sharp make

Flow Measurement: Using Measuring Tank, Capacity 25 Ltrs.

Sump Tank: Capacity 50 ltrs.

Stop Watch: Electronic

Control Panel On / Off Switch, Mains Indicator etc.  
Tanks will be made of Stainless Steel.  
The whole Set-up is well designed and arranged in a good quality painted structure.

## Naugralabequipments

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