

**Product Name :**  
Venturi Meter & Orifice Meter Apparatus

**Product Code :**  
NEGEMG124



**Description :**

Venturi Meter & Orifice Meter Apparatus

Recirculating design with supply tank & measuring tank.

- Non corrosive tanks & piping.
- Transparent Venturi meter & Orifice meter made in acrylic

**DESCRIPRION:**

The Venturi meter & Orifice meter Apparatus is designed for calibration of water flow meters. Set up consists of a venturi meter & orifice meter clear acrylic fitted in pipe. Each flow meter has two pressure ports which can be connected to a mercury manometer to measure pressure difference at inlet & throat. This pressure difference is used to calculate the water flow rate theoretically. 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. By comparing the theoretical & measured flow rate, the discharge coefficient for flowmeter can be determined.

#### **EXPERIMENTAL CAPABILITIES:**

- To study water flow measurement using venturi meter & orifice meter.
- To determine discharge coefficient for flowmeter.
- To compare venturi meter & orifice meter.

#### **TECHNICAL SPECIFICATIONS:**

- **Venurimeter:** Convergent – Divergent type, Inlet 1” BSP, Throat Diameter 16 mm
- **Orificemeter:** Inlet 1” BSP, Throat Diameter 15 mm
- **Manometer:** U tube mercury manometer, Range: 0 – 300 mm
- **Sump Tank:** 100 Ltrs, made in PVC
- **Measuring Tank:** 32 Ltrs, Made in PVC, with level indicator
- **Pump:** Monoblock Centrifugal Pump, 230 V AC
- **Piping:** Fixed PVC piping with necessary valves
- **Base Frame:** Made of M.S. Square Tubes & Sheets, Welded & Powder coated.

## **Naugra Export**

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