

Venturimeter & Orifice Meter Test Ring

Product Categories: [Engineering Equipment](#), [Hydraulic Lab](#)

Product Page:

<https://www.labappara.com/product/venturimeter-orifice-meter-test-ring-2/>

Product Description

Venturimeter & Orifice Meter Test Ring

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.

TECHNICAL SPECIFICATIONS:

Venrurimeter: 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.

Required:

Suitable Water supply.

Suitable floor space of 1.5 m.x 2 m.

Venturi Meter & Orifice Meter Apparatus

Recirculating design with supply tank & measuring tank.

Non corrosive tanks & piping.

Transparent Venturi meter & Orifice meter made in acrylic