

Product Name :

Discharge Through Venturimeter & Orificemeter for engineering schools

Product Code :

Fluid Mechanics005



Description :

Discharge Through Venturimeter & Orificemeter for engineering schools

Technical Specification :

Discharge Through Venturimeter & Orificemeter, technical teaching equipment for engineering

Our company offers superior quality **Discharge through venturimeter & orificemeter** at the most affordable market price. This apparatus is used to determine the co-efficient of discharged through different flow meters like the venturimeter. Offered apparatus is hugely appreciated among the clients for hassle-free installation, simple operation and optimum performance. Furthermore, our offered apparatus is also demanded for its dimensional accuracy.

Description:

- The apparatus consists of two pipelines emerging out from a common manifold. One pipe

line contain a Venturimeter and other contains an Orifice. The pressure tapings from the Venturimeter and orifice meter are taken to differential manometer to measure pressure difference. The Venturimeter and Orificemeter are connected in parallel and any one of them can be put in operation by operating valves provided at the downstream. The flow can also be regulated by these valves. The set-up can be connected to Hydraulic Bench with flexible pipe line.

Experiments:

- To determine the co-efficient of discharged through Venturimeter
- To measure discharge through Venturimeter as flow meters

Utilities Required:

- Electric supply 0.5 kW, 220V AC, Single Phase
- Water supply Tap water connection " BSP Distilled water @ 60 liters (optional)
- Floor Area with Drain facility

Technical Specifications:

- Venturimeter Material: Clear Acrylic compatible to 1" Dia. Pipe
- Orificemeter Material: Clear Acrylic compatible to 1" Dia. Pipe
- Water Circulation: FHP Pump, Crompton make
- Flow Measurement: Using Measuring Tank with Piezometer
- (Capacity 25 Ltrs.) and Electronic Stop Watch
- Sump Tank Capacity: 50 Ltrs
- Control Panel Comprises of: Standard make On/Off Switch, Mains Indicator,etc

- Instruction Manual: An ENGLISH instruction manual will be provided along with the Apparatus

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