



The apparatus consists of two pipelines emerging out from a common manifold. One pipeline contains a Venturimeter, the second contains an Orifice. The pressure tapings from the Venturimeter and Orificemeter are taken to a 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. These valves can also regulate the flow. Present Set-up is a 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 the water line to conduct the experiment on different flow rates. Flow rate of water is measured with the help of a measuring tank and stop watch.

EXPERIMENTS:

- To determine the Co-efficient of discharge through Venturimeter and Orificemeter
- To measure discharge through Venturimeter and Orificemeter as flow meters.

UTILITIES:

- Water Supply & Drain
- Electricity Supply: Single Phase, 220 VAC, 0.5 kW

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 / 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

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in