

Flow Through Orifice and Mouthpiece



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

Product Page: <https://www.labappara.com/product/flow-orifice-mouthpiece/>

Product Description

Flow Through Orifice and Mouthpiece

Technical Description:

An orifice is an opening made in the side or bottom of tank, having a closed perimeter, through which the fluid may be discharged. A mouthpiece is short tube fitted to a same size circular opening provided in a tank so that fluid may be discharged through it. Orifice and mouthpiece are used to measure the rate of flow of liquid. The apparatus is designed to measure the co-efficient of discharge of orifice mouthpiece.

Technical Specifications:

Orifice Set of 2, Material Acrylic (Diameter 10 mm and 15 mm)

Set of Mouthpieces Set of 3, Material Acrylic (Diameter 10mm with L/D = 1, 2.5 4)

Constant level tank Capacity 25 Liters.

Supply Tank Capacity 85 Liters.

Measuring tank Capacity 40 Ltrs. MOC SS fitted with Piezometer Tube scale

Hook/Pointer Gauge To measure X-Y co-ordinates of Jet

Pump FHP capacity make Tullu / Crompton Greaves

Piping GI / PVC

Stop Watch Electronic

The whole set-up is ingeniously designed and schematically arranged on a powder-coated rigid structure

Control Panel:

Standard make On/Off switch, Mains Indicator etc.

Scope of Delivery:

1 Self Contained "Orifice and Mouthpiece" Apparatus

1 Instruction Manual consisting of experimental procedures, block diagram etc.