## Impact Of Jet On Vanes



Product Categories: Engineering Equipment, Hydraulic Lab

Product Page: <a href="https://www.labappara.com/product/impact-jet-vanes/">https://www.labappara.com/product/impact-jet-vanes/</a>

## **Product Description**

Impact Of Jet On Vanes

## **DESCRIPTION**

The setup is designed to study the forced developed by a jet of water on different surfaces and to compare it with momentum theory.

Set up consists of visible test enclosure, supply tank, measuring tank and pump for closed loop water circulation. The visible test section housed one nozzle fitted in vertical upward direction to target the jet of water opposite an interchangeable test surface (either flat plate or a hemispherical cup) which in term is connected to a spring loaded stem. The lift of stem and weight added to the pan on other side gives the calculation of corresponding force.

## The flow rate of water is measured using measuring tank and stop watch provided TECHNICAL SPECIFICATION

Test Plates : Material Brass (2 Nos.)
Flat Plate : Material Brass (2 Nos.)

Hemispherical Cup : Material Brass

Nozzle : Material Brass

Stainless Steel Chamber : Having of opposite sides made of glass

Water Circulation : FHP Pump

Flow Measurement : Using Measuring Tank with Piezometer,

Capacity : 40 Liters.

Sump Tank : Capacity 60 Liters.

Stop Watch : Electronic

Control Panel : On / Off Switch, Mains Indicator etc.