

Impact Of Jet On Vanes



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

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

Product Description

Impact Of Jet On Vanes

DESCRIPTION

The setup is designed to study the force 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 houses 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 turn 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.