

Product Name :
Impact of Jet of Vanes for engineering schools

Product Code :
Fluid-Mechanics-India-Lab-
FMLNE0004



Description :

Impact of Jet on Vanes Apparatus for Fluid Mechanics Labs, Engineering Schools, Educational Labs, Technical Education, TVET Labs, Research Laboratories, and Bulk Procurement for Engineering Tender Projects

Technical Specification :

Impact of Jet on Vanes Apparatus Manufacturer, Supplier and Exporter – Designed for engineering and fluid mechanics laboratories, this apparatus is used to study the force developed by a jet of water on different vane surfaces and compare the results with momentum theory. The setup comprises a transparent test enclosure, nozzle, target assembly, and weighing mechanism for accurate force measurement.

Experiments:

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Measurement of the force developed by a jet of water impinging on a stationary surface

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Comparison of experimental results with momentum theory

Utilities Required:

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Hydraulic bench

Technical Specifications:

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Transparent test section with two-sided clear enclosure

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Brass nozzle

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Test plates: **2 Nos.**, brass construction

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Flat plate

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Hemispherical cup

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Weight carrier with compression spring balancing arrangement

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Stainless steel enclosure with opposite sides fitted with glass

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Force measurement using calibrated weight pan and level gauge

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Supplied with detailed English instruction manual

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