

Product Name :
Discharge Over Notches Apparatus for engineering schools

Product Code :
Fluid-Mechanics-India-Lab-
FMLNE0003



Description :

Discharge Over Notches Apparatus for engineering schools and technical teaching lab equipment for engineering

Technical Specification :

Discharge Over Notches Apparatus Manufacturer, Supplier and Exporter – Designed for engineering and fluid mechanics laboratories, this apparatus is used to determine the coefficient of discharge (C_d) through different types of notches. The setup consists of a flow channel with interchangeable notches, a pointer gauge with Vernier scale for water level measurement, and a self-contained water recirculating system for conducting experiments at different flow rates.

Experiments:

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Determination of coefficient of discharge (Cd) through:

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45° V-notch

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60° V-notch

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Rectangular notch

Utilities Required:

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Water supply

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Drain facility

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Electric supply: **0.5 kW, 220 V AC, Single Phase**

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Floor area: **1.5 × 0.75 m**

Technical Specifications:

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Test channel section: **600 × 250 × 180 mm**

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Interchangeable notches: Brass construction

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Rectangular notch

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45° V-notch

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60° V-notch

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Pointer gauge with Vernier scale

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Water circulation: FHP pump (Crompton make or equivalent)

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Flow measurement: **25 litre** measuring tank with piezometer

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Sump tank capacity: **50 litres**

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Electronic stopwatch

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