

Product Name :
Notch Apparatus

Product Code :
NEGEMG125



Description :

Notch Apparatus

Recirculating design with supply tank & measuring tank.

- Non corrosive tanks & piping.

Description:

Notch

Apparatus is designed for study of flow measurement in open channels using notches & calibration of notches. The set-up consists of a Open Flow Channel, rectangular in cross section. Water enters from one end of the channel & at the other end a notch is fitted. The water flows over the notch section & drains into measuring tank. A hook gauge is provided to measure the level of water over the notch.

Water

is supplied from the sump tank by centrifugal pump & measuring tank is provided to measure the water flow rate. The entire setup is mounted on a strong steel frame. By comparing the theoretical & measured flow rate, the discharge coefficient for notch can be determined.

Experimental Capabilities:

- Determination of coefficient of discharge for different notches.
- Compare relationships between head and flow for various types of notches

Specifications:

- Pump: Self priming, Monobloc Centrifugal Pump, Max. Flow 30 LPM, Max. Head 20 m, 230 V AC
- Flow Channel: Made in FRP / M. S. channel lined with FRP, Size in mm 700 (L) x 250 (W) x 250 (H)
- Sump Tank: 100 Liters, made in PVC
- Measuring Tank: 32 Liters, Made in PVC, with level indicator
- Set of Notches: Rectangular Notch, Triangular Notch
- Hook / Pointer gauge
- Piping: PVC Piping with valves
- Digital Stop Watch
- Frame: Made of M.S. Square Tubes & Sheets, Welded & Powder coated

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