

Product Name :
Reynolds Apparatus

Product Code :
NLAB-ENGINEERINGLB20010



Description :

Reynolds Apparatus

Technical Specification :

DESCRIPTION:-

The unit consists of to study different flow conditions and to obtain the Reynolds number in different flow conditions.

FEATURES:-

Apparatus consist of storage cum supply tank, which has the provision for supplying coloured dye through jet. A Perspex tube is provided to visualize the different flow condition. The entry of water in Perspex tube is through elliptical bell mouth to have smooth flow at the entry. A regulating valve is provided on the downstream side of the tube to regulate the flow. The discharge must be varied very gradually from a smaller to larger value. A collecting tank is used to find the actual discharge through the Perspex tube.

RANGE OF EXPERIMENT:-

- To study different flow conditions.

- To obtain the Reynolds number in different flow conditions.

SPECIFICATION:-

- Acrylic tube of Dia.25mm and length 1 mtr. to study different flow conditions.
- Flow control valve to change Discharge.
- Transparent pizometer tubes with scale to measure head.
- 1 Litter plastic flask to measure discharge.
- Set of- [Needle-1Qty, Dye supply pipe with Regulator-1 Qty, Dye Bottel-1 Qty]
- Sump tank- 900 X 350 X 350 mm
- Usha or Crompton Greaves motor for recalculating type unit.- 0.5H.P. Self Priming
- Stop clock.

SERVICE REQUIRED:-

- Suitable Water supply.
- Suitable floor space to mount apparatus.
- 15 amps Single Phase Electrical Connection.

Naugralabequipments

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