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Product Name :
Osborne Reynolds Demonstration

Product Code :
LBNY-0005-103000287



Description :

The Osborne Reynolds' Demonstration operates in a vertical mode. Flow through this pipe is regulated using a control valve at the discharge end. A header tank containing stilling media provides a constant head of water through a bellmouth entry to the flow visualisation pipe. Velocity of the water can therefore be determined to allow calculation of Reynolds' number. The flow rate of water through the pipe can be measured utilizing the volumetric tank (or measuring cylinder) of the Hydraulics Bench. The equipment uses a similar dye injection technique to that of Reynolds' original apparatus to enable observation of flow conditions.

Technical Specification :

Vertical experimental section made of glass
Feed with valve for flow adjustment
Module to carry out the Osborne Reynolds experiment, to be used
430x420x1150mm (l x wx h), weight 21kg
Supply tank with glass beads to reduce turbulences in the flow.

Technical Data:

Ink tank: capacity 270ml
Supply tank capacity: 2.8L
Experimental pipe section: length 540mm, diameter 10mm.



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