

Product Name :
Osborne Reynolds Apparatus

Product Code :
ELAB-ENG-11-0005



Description :

Osborne Reynolds Apparatus

Technical Specification :

It consists of a removable clear acrylic cylinder with an adjustable overflow pipe. Water is admitted at the bottom of the tank through a diffuser and stilling materials, and is discharged via a bell mouth transparent vertical test pipe with a flow control valve at the end.

Flow rate is measured by a measuring cup. A dye injection system is installed on top of the acrylic cylinder tank and flow patterns in the pipe can be observed against a white background plate.

Typical Experiments:

Visualization of laminar, transition and turbulent flow

Determination of the critical Reynolds number.