

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.

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