

**Product Name :**

Osborne Reynolds Demonstration

**Product Code :**

Fluid00005

**Description :**

Osborne Reynolds Demonstration

**Technical Specification :****Osborne Reynolds Demonstration**

Osborne Reynolds Demonstration The **Osborne Reynolds' Demonstration** operates in a vertical mode. A header tank containing stilling media provides a constant head of water through a bellmouth entry to the flow visualisation pipe. Flow through this pipe is regulated using a control valve at the discharge end.

The flow rate of water through the pipe can be measured utilizing the volumetric tank (or measuring cylinder) of the Hydraulics Bench. Velocity of the water can therefore be determined to allow calculation of Reynolds' number.

The equipment uses a similar dye injection technique to that of Reynolds' original apparatus to enable observation of flow conditions.

**Specification:**

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

**Technical Data:**

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

## Electrical and Electronics

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