

Product Name :
Osborne Reynolds Demonstration

Product Code :
NEGEMG137



Description :

Osborne Reynolds Demonstration

The equipment 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 using the volumetric tank (or measuring cylinder) of the Hydraulics Bench. Velocity of the water can therefore be determined to allow calculation of Reynolds' number.

Experimental Capabilities:

- Reproducing the classic experiments conducted by Professor Osborne Reynolds concerning fluid flow condition.
- Observing the laminar, transitional, turbulent flow and velocity profile.

Specifications:

- Vertical test section fed from header tank with stilling media
- Bellmouth entry to smooth flow
- Dye injection system allows flow visualisation
- Quick release fitting for easy connection to hydraulics bench
- Test pipe diameter: 10.0mm
- Length of test pipe: 700mm
- Dye reservoir capacity: 0.45 litres.

Naugra Export

Website: www.naugraexport.com, **Email:** sales@naugraexport.com

Address: 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India, **Phone:** +91-0171-2643080, 2601773