

Product Name :
Osborne Reynold Demonstration

Product Code :
ALABS-A43-057

ALTEC™

Description :

Osborne Reynold Demonstration

- 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
- Educational Software available as an option.

Description:

- 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.

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

Technical Details:

Name

Test pipe diameter:

Length of test pipe:

Dye reservoir capacity:



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