

LOSSES IN PIPES

MODEL: FM11D



FEATURES

- Compact, comprehensive, sturdy design
- Fully re-circulating type

DESCRIPTION

This is stand-alone, re-circulating type equipment. The equipment aims at studying the velocity profile for flow. Water is fed to pipe. Tapping are taken at a fixed distances on the pipe. These can be connected to a U tube manometer. Flow is measured using flow measurement unit provided.

INSTRUCTION MANUAL

Self -explanatory operating manuals are provided with each system. Detailed theory as well as practical exercises is also included in the manual

LIST OF EXPERIMENT

- Determination of Reynolds's number
- Determination of friction factor
- Effect of material on friction factor If optional additional pipe set is purchased
- Effect of size on friction factor If optional additional pipe set is purchased

COMPONENTS

- Pipe1: MS, 9.5 mm ID (approx)
- Pipe2: GI, 15 mm ID (approx)
- Pipe1: GI, 24 mm ID (approx)
- Flow measuring arrangement Various options are available
- Centrifugal Pump
- Sump tank See model selection chart
- Structure

SERVICES REQUIRED

- Water
- Power supply

OPTIONAL ADDITIONAL

- PC Interface with software
- Extruded Aluminium structure
- Electronic Flow measuring arrangement
- Digital Differential Pressure Indicator
- Additional Pipe set to study effect of material on friction factor
- Additional Pipe set to study effect of size on friction factor

MODEL SELECTION CHART

- FM11D-A: Sump Tank: FRP, Measuring Tank: MOC: MS/FRP Lining
- FM11D-B: Sump Tank & Measuring Tank: MOC: MS
- FM11D-C: Sump Tank & Measuring Tank: MOC: SS

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- (1) Since research and development is an on-going activity, the specifications mentioned herein are subject to change without notice
- (2) Photographs are indicative only