TO STUDY LOSSES IN PIPE FITTINGS AND PIPE BENDS

MODEL: FM11B

FEATURES

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

DESCRIPTION

This is stand-alone, re-circulating type equipment. The equipment is used to determine the losses encountered during liquid flow through pipes and other fittings which occur due to presence of bends, valves and enlarged and diminished cross-sections. Tapping are taken at a fixed distances on the pipe.
Differential pressure and flow measuring arrangement are provided. Flow can be varied manually using combination of valves.

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 heads loss due to friction in long bend
- Determination of heads loss due to friction in short bend
- Loss due to Sudden Expansion, Sudden contraction
- Loss due to friction in gate valve and globe valve

COMPONENTS

- 90-degree elbow
- 90-degree smooth bends (Long Bend)
- Sudden enlargement
- Sudden contraction
- Gate valve, globe valve and ball valve
- Manometer
- 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

MODEL SELECTION CHART

- FM11B-A: Sump Tank: FRP, Measuring Tank: MOC: MS/FRP Lining
- FM11B-B: Sump Tank & Measuring Tank: MOC: MS
- FM11B-C: Sump Tank & Measuring Tank: MOC: SS

CE   ROHS   ISO9001:2015

(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