



VARIABLE SLOPE FLUME (6M)

RF 134

Description:

An open channel is a channel which the surface pressure of the fluid remains constant along its path, then if the fluid meets atmosphere pressure at free level it is an open channel flow. This kind of flow can be modeled in laboratory by using experimental flume. The advanced experimental flume with a closed water circuit has a cross-section of 400×400mm. The length of the experimental section is 6000mm. The side walls of the experimental section are made of glass, which allows observation of the experiments. The inlet element is designed so that the flow enters the experimental section with very little turbulence. The inclination of the experimental flume can be finely adjusted to allow simulation of slope and to create a uniform flow at a constant discharge depth.

Specifications:

- Side walls made of glass with 10mm thickness
- Centrifugal pump
- Applying slope by gearbox and electromotor system
- Polyethylene tank
- Flow inlet laminarization
- Automatic control system to switch unit on/off for critical slope or water level
- 40*40 cm section of channel
- Orifice for flowrate measurement
- Floater for overflow prevention
- Piping system with valves and fittings
- supply and reverse tanks at the inlet and outlet of channel
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Basic principles of open-channel flow

Required For Operation:

- 3-Phase 25A Electricity
- Urban Water Supply
- Urban Water Drainage
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%
- Foundation



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FLUID MECHANICS

Dimensions (L*W*H) mm: 8000x 1000 x 1900

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