



## VARIABLE SLOPE FLUME (10M)

### RF 136

#### 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 600×600mm. The length of the experimental section is 10000mm. 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
- 60\*60 cm selection of channel
- Floater sensor
- Supply and reverse tanks at the inlet and outlet channel
- Piping system with valves and fittings
- Orifice for flowrate measurement
- 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 25 A 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:13000x 1200 x 1900

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