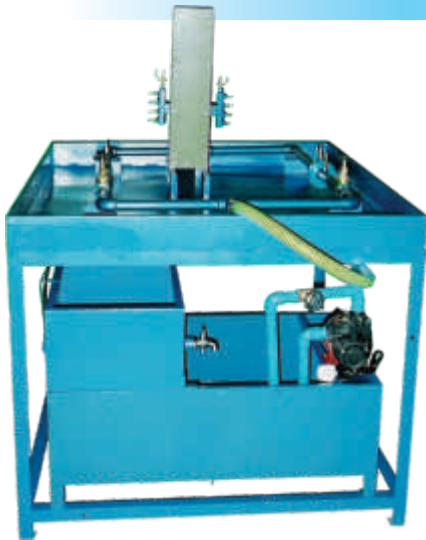


► KFM-29 Hydraulic Bench Apparatus (With 11 Experiments)



Specifications:

- Water Tray Size - 2000mm L X 1200mm W X 200mm Height.
- Sump Tank - 1200mm L X 700mm W X 300mm Height.
- Discharge Measurement Tank - 600mm L X 400mm W X 250mm Height.
- Mono block Pump - 1 Phase, 230 VAC, 0.5 hp 2800 RPM.
- Digital Stop Watch - 1 No. For measuring flow rate.
- Necessary Piping arrangement with a bye pass arrangement.
- Tachometer 1 No. For measuring RPM. This bench is useful to conduct experiment on various set ups. We manufacture

following experiments. We supply as per customers requirements.

Range of Experiments:

- Pressure Measurement Apparatus.
- Venturi meter & Orifice meter.
- Orifice & Mouthpiece.
- Pipe Friction Apparatus.
- Losses In Pipes.
- Free & Forced Vortex Tube.
- Notch Apparatus.
- Reynolds's Apparatus.
- Bernoulli's Theorem Apparatus
- Heleshaw Apparatus
- Metacentric Height Ship Model

► KFM-30 Hydraulic Tilting Flume

The flume consists of a channel . At the inlet a flow steadying section is provided so that there will be fewer disturbances at the test section. The gates provided at the upstream and downstream of the test section help to regulate the depth of flow. Depth measurements can be achieved with the help of a hook or point gauge; mounted on a trolley which gives longitudinal and transverse movement. The slope of the bed can be adjusted to give positive or negative slopes.

Specifications:

- Size: Size - 0.25 m width. 0.30 m depth & 2.5 m test section length.
- A point gauge mounted on a trolley.
- Inlet pipe piece containing an orifice in it.
- A differential manometer (without mercury)
- A screw jack for adjusting slope.
- A model of a Sharp crested Weir.
- A model of a Broad crested weir.
- A model of an Ogee weir.
- A model of Venturi flume.
- Sump Tank 1500mm x 1000mm x 500 mm
- 3 Phase 3 HP Centrifugal Pump
- Flume Size 9 m, 270 mm x 500 mm x 3 m

Range of Experiments:

- Study of open channel flow with slope.
- Study of specific energy curve.
- Study of hydraulic jump.
- Study of Nape profiles over a Sharp crested weir.
- Calibration of Sharp crested. Broad crested and Ogee weir.
- Calibration of a Venturi flume.

