

► KFM-13 Orifice & Mouthpiece Apparatus



Specifications:

- Basic Set-up : This is the basic module required by all the experimental setups.
- Storage Tank: 1000 mm x 300mm x 400 mm.
Measuring Tank 300mm x 400mm x 500mm.
- Collecting Tank: Size of the collecting Tank is 300 mm x 300mm x 600 mm fitted with drain valve 1" size Mano meter Tube. With marking scale.
- Monoblock Pump : Monoblock 1ph, ½ HP pump shall be provided with the setup which

shall be mounted on the base plate. Necessary piping with by-pass valve and suction piping are provided. The connection for the test equipment is made by flexible Hose-pipe.

- The Equipment: The present equipment is a set-up used to study the performance of Orifice meter & Mouth Piece.

Range of Experiments:

The apparatus is designed to measure the co-efficient of discharge of orifice & mouthpiece.

► KFM-14 Centrifugal Pump Test Rig. (Constant & Variable Speed)

Specifications:

- Capacity - IHP, with DC motor variable speed type 4 Amp. OR
- Centrifugal Pump – 1HP. With AC motor & Pulley Type
- Sump tank - 1000 x 700 x 300m height
- Measuring tank - 600 x 400 x 250mm height
- Energy meter

- Pressure Gauge
- Vacuum Gauge
- On / Off Switch

Range of Experiments:

- To find out efficiency of a Centrifugal pump Test Rig at various speeds.



► KFM-15 Multi Stage Centrifugal Pump Test Rig.



Specifications:

- Centrifugal pump - Mono block, 'ISI mark, Kirloskar' make, 1"x 2" size, 2 stage pump with 1HP single phase induction motor
- Sump tank - 1000 mm x 300 mm x 400 mm height,
- Measuring tank - 300 mm x 300 mm x 500 mm height. OR Venturi Meter & Pressure Gauge.
- Energy meter for motor input measurement.
- Pressure gauge at 1st and 2nd stage delivery & vacuum gauge at suction for measurement of head.
- Stop watch.
- The assembly of pump & control are mounted on the sump tank.

Range of Experiments:

- To find out efficiency of a Centrifugal pump Test Rig at various speeds.