

**Product Name :**

Orifice and Venturi meter demonstrator

**Product Code :**

SLE/MCE/38



## Description :

### Descriptions:

- The equipment consists of a Venturi meter, variable area meter and orifice plate, installed in a series configuration to permit direct comparison.
- A hand pump facilitates pressurization of the manometers.
- A flow control valve permits variation of the flow rate through the circuit.
- Pressure tapings are incorporated so that the head loss of each flow meter may be measured.
- The circuit and manometer are attached to a support framework, which stands on the working top of the Hydraulics Bench.
- The bench is used as the source of water supply and for volumetrically calibrating each flow meter.

### Specification:

- **Manometer range:** 0 to 500 mm. of water column
- **Number of monomeric tubes:** 8
- **Upstream pipe diameter:** 32 mm
- **Downstream taper:** 21°
- **Upstream taper:** 14°
- **Flow meter:** 2 to 30 l./min

### Venturi dimensions:

- **Throat diameter:** 20 mm
- **Orifice plate diameter:** 25 mm

### Orifice Plate dimensions:

- **Upstream pipe diameter:** 35 mm.
- **Downstream orifice diameter:** 19 mm.

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