

**Specifications:-****● Flow Measurement apparatus**

Shows typical methods of measuring the flow of an incompressible fluid, and demonstrates applications of Bernoulli's equation

- Includes Venturi meter, orifice plate and rotameter
- Direct measurement of head loss
- Three different flow meters that work with Bernoulli's equation
- 11-tube manometer shows pressure at various points
- Study of Bernoulli's equation, flow measurement and losses, including:
 - Application of the Bernoulli equation for Incompressible fluids
 - Direct comparison of flow measurement using a Venturi meter, orifice plate and rotameter
 - Comparison of pressure drops across each flow measurement device
 - Comparison of pressure drops across a sudden enlargement and a 90-degree elbow
- Orifice plate: 20 mm diameter with corner tappings, manufactured to BS1042
- Sudden enlargement: 26 mm to 51.9 mm
- Rotameter: Scaled 0 to 210 mm. Includes calibration chart for 0-35 L.min⁻¹
- Drawing and dimensions of Venturi meter and Orifice meter silk-screened onto baseplate
- Venturi
 - Material: Clear Acrylic
 - Upstream diameter 26 mm ± 0.05 mm
 - Throat diameter 16 mm ± 0.02 mm
 - Downstream diameter 26 mm ± 0.05 mm
 - Upstream taper 22.6°
 - Downstream taper 6.4°
 - Coefficient of Discharge nominally 0.93
- Manometer: 11 Manometer tubes, Scaled 0 to 380 mm
- Maximum flow: 28 Lmin⁻¹
- Accessories (included): All necessary tubing and pipe clips

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.

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