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| Product name: | Product code: |
| --- | --- |
| Flowmeter Measurement Apparatus | Fluid00023 |




## Description

Flowmeter Measurement Apparatus

## Technical specification

- Quick release fitting for easy connection to hydraulics bench

**Technical Details**

| Item | Flowmeter Measurement Apparatus |
|---|---|
| Manometer range | 0 to 440mm |
| Number of manometer tubes | 8 |
| Orifice plate diameter | 20mm |
| Variable area meter | 2 to 20 litres/min |
| Venturi dimensions | Throat diameter: 15mm<br>Upstream pipe diameter: 31.75mm<br>Upstream taper: 21$^{o}$ inclusive<br>Downstream taper: 14$^{o}$inclusive |

**Flowmeter Measurement Apparatus** Flowmeter Measurement Apparatus The **Flowmeter Measurement Apparatus** consists of a Venturi meter, variable area meter and orifice plate, installed in a series configuration to permit direct comparison. A flow control valve permits variation of the flow rate through the circuit.

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Pressure tappings are incorporated so that the head loss characteristics of each flow meter may be measured. These tappings are connected to an eight tube manometer bank incorporating a manifold with air bleed valve. Pressurisation of the manometers is facilitated by a hand pump.

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 calibrating volumetrically each flow meter.

**Specification:-**

- Venturi meter, variable area meter and orifice plate with control valve
- Supplied with manometer board with eight tubes
- Pressure tappings to measure head loss from each meter