

# AMBIT SPRINKLER FLOW TEST KIT

## Operating Instruction

1. Flush system being tested for a few minutes prior to bleeding to remove any debris.
2. After following the bleeding procedure (below), simultaneously open both valves on the averaging pitot tube.
3. Open Equalise Valve B.
4. Simultaneously open isolation valves A & C.
5. Close equalise valve B
6. Begin testing.

## Procedure for "Bleeding" Hoses

Connect both hoses to the differential gauge.

Open both the isolating valves & the equalising valve on the DP gauge.

Connect the +ve (red) hose to the +ve side of the averaging pitot tube.

Slightly open the +ve valve on the averaging pitot and allow water to flow through the gauge & out the -ve (blue) hose (system being tested must have pressure/flow)

Once water comes out of the blue hose turn off the +ve valve on the averaging pitot.

Connect the -ve (blue) hose to the -ve side of the averaging pitot.

**Close all** valves on the differential gauge (2 x isolating valves & 1 equalising valve).

Equalise B



Isolation A

Isolation C

To  
Averaging  
Pitot Tube

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Equalise B



Isolation A

Isolation C

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## AMBIT SPRINKLER FLOW TEST KIT

### KIT INCLUDES:

- 1 x Ambit Differential Pressure Gauge
- 1 x Red Hose (Positive)
- 1 x Blue Hose (Negative)
- 2 x Brass 1/4" BSPT-M x 1/4" Flare Adaptors
- 2 x Straps
- 1 x Gauge Calibration Certificate

### IMPORTANT NOTES

1. Do **NOT** mount with brass rectangular body of gauge up against, or within 50mm of any ferrous object.
2. Instrument should be mounted so the dial is vertical.
3. Always "bleed" hoses to remove any air blockages. This is best achieved by following the instructions detailed overleaf.
4. Once test is completed, remove both hoses and open all valves on differential pressure gauge and allow to drain.
5. It is recommended the kit be returned to Ambit Instruments every 12 months for servicing and re-certification of the differential pressure gauge.
6. Prior to removing an averaging pitot tube, *always* ensure the system is de-pressurised

### AMBIT INSTRUMENTS PTY LTD

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