

QUELL FLOW TEST GAUGE
OPERATING INSTRUCTIONS

- 1) Attach flow gauge to hydrant or hose outlet
- 2) **CHECK STATIC PRESSURE**
 - 2.1 Screw on cap with pet cock to flow gauge outlet
 - 2.2 Open water supply isolator slightly to fill body of the gauge.
 - 2.3 Open pet cock on cap to exhaust all air from the flow gauge.
 - 2.4 Close pet cock.
 - 2.5 Open supply isolator fully and read pressure from the gauge.
Record pressure as **STATIC PRESSURE.**
 - 2.6 Close water supply isolator
 - 2.7 Remove cap from gauge.
- 3) **CHECK FLOWING PRESSURE**
 - 3.1 Screw 15.9mm(5/8") on to flow gauge outlet.
 - 3.2 Open supply isolator fully.
 - 3.3 Read pressure from gauge
Record the nozzle size and gauge pressure as **RUNNING PRESSURE DETAILS**
 - 3.4 Close water supply isolator.
 - 3.5 Remove the flow gauge and return to box.

NOTE

- a) If the flowing pressure is below 200 kPa using this nozzle it should be replaced with the 12.7mm (1/2") flow nozzle and repeat steps 3.1 to 3.4.
- b) If the flowing pressure is above 1200 kPa using this nozzle it should be replaced with the 19.0mm (3/4") flow nozzle and repeat steps 3.1 to 3.4.
- c) If the flowing pressure from the 19.0(3/4") flow nozzle is greater than 700 kPa, it should be removed from the flow gauge. This will reveal a 25mm(1") flow nozzle which is built into the flow gauge. Repeat steps 3.1 to 3.4.

FINDING THE FLOW RATE

- 4.1 Refer to the graph supplied with the flow gauge.
- 4.2 Using the nozzle size used in your tests, select the appropriate curve on the graph.
- 4.3 Read up the vertical scale to find the pressure recorded from your test/s.
- 4.4 Read across to the selected curve on the graph then read vertically down to the bottom scale.
- 4.5 Read off the flow rate from this scale.

NOTE

If the 25mm(1") flow nozzle is used
Read off flow rate from the lower flow scale.
ALL OTHER FLOW NOZZLES USE THE TOP FLOW SCALE.

Part No. 113720

QUELL FLOW CHART

