



# Meter Accountability Check

# MAC

The MAC tester is a scaled cylinder in Gal. or Ft<sup>3</sup> with fractional units in 1/10<sup>th</sup> increments at the test level.

The Volume of the Cylinder;  
 (As measured with thermal expansion)  
 Circumference (ID): 36.5 to 36.437  
 .45895 to .45737 gallons per inch  
 Variance: 4.62 ounces @ the 10 Gal. Mark

The Dome Base and Seal;  
 Displaces 190 cubic inches or .823 gallons  
*All mathematical calculations were verified by water weight at 76° F*

## Consistent Accuracy at Any Flow Rate

### Precise Measurement Control

A Domed Base and Seal allow the MAC Tester to rotate along a sphere to seek an acceptable testing level. Off level tests can be easily calculated for final volume by using the two opposing measuring scales

### Built In Flow Gauge

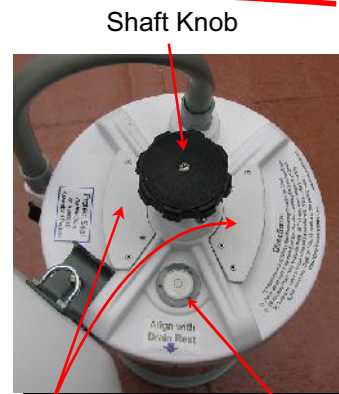
The MAC Tester has a built in flow gauge for testing residential meters at different flow rates  
 See Owners Manual for use instructions.

### Dependable Accuracy

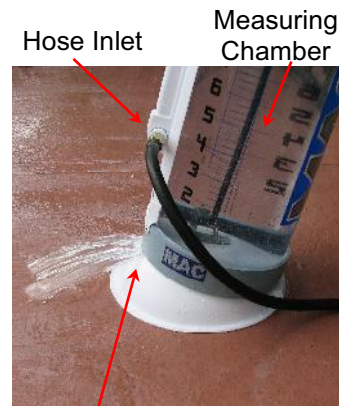
The measuring chamber is flexible and unless dented will always be within a 0.5% accuracy tolerance. Even wide temperature swings from 46° F to 89° F could only vary the final volume by less than 5 ounces. **Flow rates will have no effect on final volume.**

### Bottom Drain

The MAC Tester has a port for draining ease. After the test has been concluded, ease the shaft tension and simply lean towards the Drain Rest.



Shaft Knob  
 Tension Relief Handles  
 Level



Hose Inlet  
 Measuring Chamber  
 Bottom Drain

Technical Bulletin

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