

Product Information

MODEL 300.4

Model 300.4 Test Kit is a portable unit for field monitoring and adjusting of AccuSetter (FlowSet) valves, Pitot Tubes and Venturis. The kit contains a $\pm 1.75\%$ F.S. accurate, 6" diameter face, 370° arc. beryllium diaphragm style gauge with three-valve manifold for over-range protection. Unit is housed in a vinyl case and comes equipped with ten foot hoses and can read either temperature/pressure ports or pressure only access valves. Use Flowcharts F234, or F193 in conjunction with label located on valve.



MODEL 300.3

Model 300.3 Test Kit is a differential pressure meter designed for permanent installation and consists of a 4 1/2" diaphragm type meter ($\pm 2\%$ F.S.). Available to read directly in GPM by special order only. Uses customer supplied piping, valves, etc. for field attachment to the flow element.

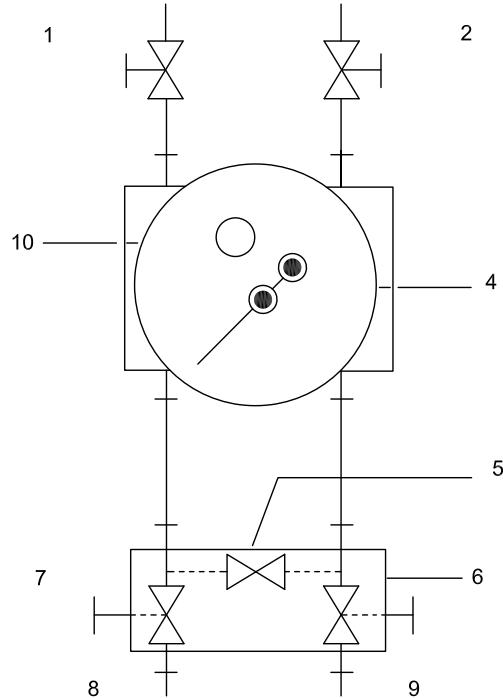


Example GPM meter for VFL400 0-260 GPM based on 75" WC with the 224.0 click marked.

Model #	Specifications	Options
300.4	6" Diameter Face Brass Body Beryllium Diaphragm 10' Hose length P/T and Schrader Adapters $\pm 1 \frac{3}{4}\%$ Special Calibraton 200° Maximum Temperature 500 PSI Working Pressure Case Dimensions 14"L x 14 1/2"W x 6"D Weight 11 1/4 lbs. Dual Scales Feet and Inches W.C.	Dial Range (Specify) <input type="checkbox"/> 0 - 100" / 0 - 8.33' - Std. FlowSet <input type="checkbox"/> 0 - 300" / 0 - 25' - Std. FlowSet <input type="checkbox"/> 0 - 500" / 0 - 40' - Ext. FlowSet
300.3	4.5" or 6" Diameter Face Brass Body Buna-N Diaphragm No Hoses (For Direct Mounting) $\pm 2\%$ Special Calibraton 210° Maximum Temperature 500 PSI Working Pressure Weight 4 1/2 lbs.	Must Specify (Device to be read and GPM)

Installation

1. Hang the meter by its support cable so that the dial face is level.
2. Close valves (1) & (2). Open valve (5). Close valves (6) & (7).
3. Close valves on Red & Yellow hoses. Connect high pressure fitting (9) to upstream orifice tap (Red hose) and connect low pressure fitting (8) to down stream orifice tap (Yellow hose) using rubber hoses provided. The hose valves should be located close to the venturi tap.
4. Open the hose valves and any valves on the venturi impulse lines.
5. Open valves (6) & (7) and alternately crack valves (1) & (2) until all air has been expelled from the instrument & hoses. Close valves (1) & (2).
6. Open valves (6) & (7) , slowly close by-pass valve (5) make sure the meter is not over-ranged. Read differential pressure.
7. The direct GPM reading plastic gauge faces can be used for AccuSetter (FlowSet) 2" and under. Make sure the plastic gauge face responds to the Model and size of the AccuSetter (FlowSet) being tested.
8. When through with test, open valve (5), and close hose valves. Remove hose from venturi. **DO NOT REMOVE HOSES FROM METER IF ANOTHER VENTURI IS TO BE MEASURED.**
9. The filled and purged meter & hoses can be used for another test without purging.



Installation

Normal operation requires no maintenance. In cases where dirt or scale builds up, flush the meter with clean water or a compatible solvent.

CAUTION !

- **Do not leave liquid in the meter below freezing temperatures.**
- **Care must be taken not to overpressure the meter.**
- **Secure and support the hoses to prevent sagging and/or vibration.**

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