

## INSTALLATION INSTRUCTIONS

To insure valid registration, proper performance and meter longevity, the following factors should be considered when installing Sensus OMNI Meters.

1. \*When installing Sensus OMNI Meters with the strainer, a minimum of 2 1/2 pipe diameters of straight run of pipe or equivalent full open components is required upstream and downstream of the meter or strainer flanges. Full open flow components may consist of: straight pipe, full open gate valves, bypass tees and concentric reducers (1 nominal pipe size reduction only). For all other installation configurations, a minimum of 5 pipe diameters of straight run is required upstream.
2. Gate valves located immediately upstream or downstream are acceptable, provided they are fully open during meter service and are not used to throttle flow rates through the meter.
3. Install nonconcentric reducers, check valves, back flow preventers, PRV (pressure reducing valves), throttling devices, altitude valves no closer than 4 pipe diameters downstream of the meter. Always avoid placing any of these devices upstream of any meter since the placement will put the meter in a low pressure zone thus possibly causing inconsistent accuracy and reduced longevity.

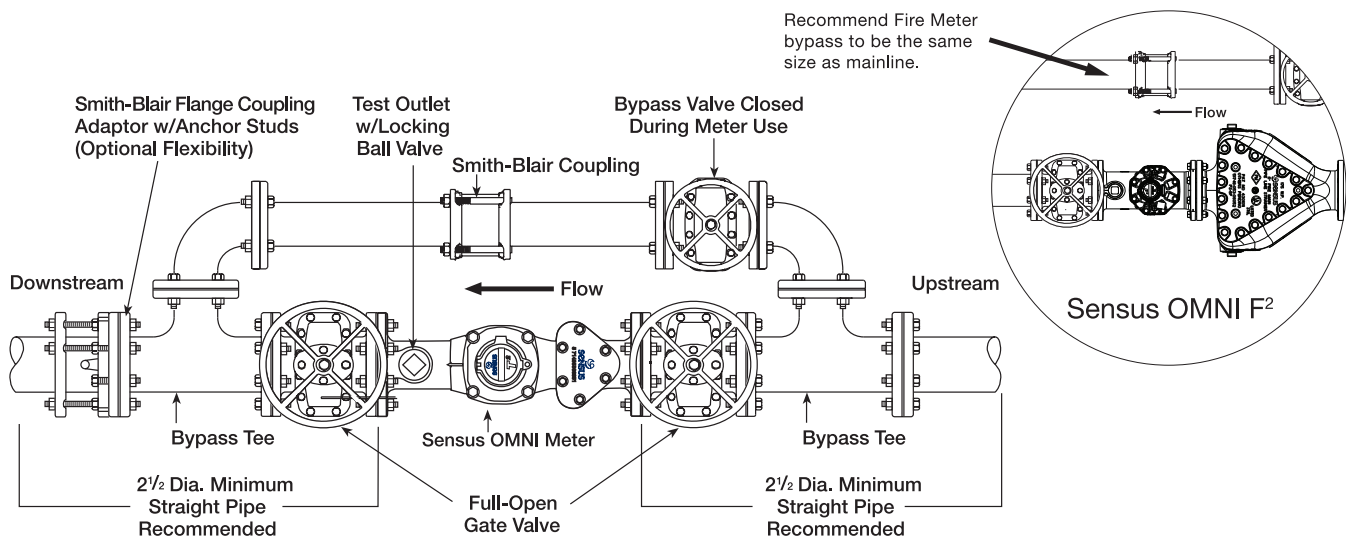
Accuracy levels may be determined by comparison accuracy testing either by using a Sensus Portable Large Meter Tester, by removing the suspect meter and testing it on a calibrated test bench or returning the suspect measuring chamber or complete meter to Sensus for a certified accuracy test.

**NOTE:** High flow meter applications or near open to air discharge must maintain a minimum 25 psi downstream pressure to assure accuracy and meter longevity. Pumps should not be located downstream unless pressure sustaining devices are utilized to maintain at least the 25 psi at the meter outlet.

OMNI meters can be installed vertically or rotated on the bolt pattern in any orientation. Contact Sensus with any questions.

\*Ford setters acceptable on 1 1/2" and 2" OMNI R<sup>2</sup> Meters.

**For more detailed OMNI meter installation instructions, please see the OMNI Operation & Maintenance manual. The manual is available on the Sensus website ([www.Sensus.com](http://www.Sensus.com)) or by contacting Technical Services at 1-800-METER-IT, option 2. This OMNI installation sheet takes precedence over all other OMNI installation documents.**



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