

# ON-SITE LIQUID FLOW MEASUREMENT AND CALIBRATION SERVICES

ISO/IEC 17025:2005 Accredited  
ANSI/NCSL Z540.3 sub clause 5.3 Accredited  
NUPIC & NIAC Audited Appendix B Program,  
10 CFR 50 Accepted

For those very large or critical liquid flow meters  
that just can't leave the site.  
Graftel LLC. now offers calibration services at your facility.



## ● In-Line Flow Measurement, 0.05 to 50 gpm

For those process lines where we can temporarily insert our portable flow standards, flow rates of up to 50 gpm may be measured. PC based Coriolis flow measurement technology with flow rate and accumulation accuracies of up to 0.1% of reading between 0.05 and 50 gpm. Liquid density may be measured with accuracies of up to 0.001 g/cc. No minimum entrance or exit lengths required to achieve full rated accuracies. Measurements may be made for most nontoxic, noncorrosive liquids.



## ● Clamp-On Non-Invasive Flow Measurement, 2" to 60" Lines

For noninvasive flow measurement on lines that do not require extreme accuracy, Graftel uses an ultrasonic or sonar array flow measurement system. All that is required is a straight length of pipe and flow rates may be measured through the pipe walls. Our sonar array standards require little surface preparation and are not affected by scaling inside the pipe. Flow rates may be measured with accuracies of up to 1% of reading. Measurements may be made for almost any type of liquid. The amount of entrained air or gas in the flow may also be measured.



## ● In-Line Flow Measurement and Calibration, Up to 20,000 gpm

By applying modern technology to an old method, Graftel has perfected a lower cost state-of-the-art tracer based method of measuring liquid flow rates in your lines. Accuracies of up to 0.5% of reading may be achieved. We can calibrate flow meters, installed orifice plates, venturies or most other types of flow meters in place with the system in operation. Existing elbows in piping systems may be calibrated along with a delta P meter to turn an ordinary elbow into a 1% accuracy flow meter. Our qualified technicians who are badged at nuclear sites can perform these unique calibrations. This work is done under Graftel's audited Appendix B quality program.



***Please call or e-mail for further information or  
to receive a quote for our calibration services***

