Liquefied Petroleum Gas (LPG) Stationary Meter Inspection & Testing

BUREAU OF WEIGHTS & MEASURES

PO Box 8911

Madison, WI 53708

608-224-4942

datcp.wi.gov

RESOURCES

More information on applicable Wisconsin laws can be found at these links

Wis. Stat. Ch. 98:
http://docs.legis.wisconsin.gov/statutes/statutes/98/Title

Wis. Admin. Code ATCP 92:
https://docs.legis.wisconsin.gov/code/admin_code/atcp/090/92/V/40

NIST Handbook 44:
http://www.nist.gov/pml/wmd/pubs/hb44.cfm

Our Website:
http://datcp.wi.gov/Consumer/Weights_and_Measures/Liquefied_Petroleum_Gas/index.aspx

The Bureau of Weights and Measures inspects LPG meters for accuracy and compliance with weights and measures law. Meter owners/operators are required to allow weights and measures inspectors access for inspection, testing, and sealing purposes per Wisconsin Statute § 93.08 and NIST Handbook 44 section G-UR.2.3, adopted by Wisconsin Administrative Code ATCP 92.

If the design, construction, or location of the meter requires a test procedure involving special equipment or accessories, or an abnormal amount of labor, the meter owner/operator must supply the equipment or labor necessary for the test procedure per NIST Handbook 44 section G-UR.4.4. The following is important information for owners of stationary meters regarding inspections and testing:

- All LPG return and vapor fittings must be accessible by a 16' hose.
- Inspectors must be able to safely test stationary LPG meters and return product to the tank. To accurately test the meters, vapor must be returned to the tank. In order to do so, the tank needs to be equipped with a vapor equalizing valve accessible to the inspector. Typically there is vapor space at the top of tank, and that is where the port should be located.
- Delivery from the meter must be accessible by the truck and trailer. In situations where the meter is located in a cage or there are bollards to protect from collision, the delivery hose from the meter must be long enough to reach the test equipment.
- The vapor equalizing valve can be either a 1 ¼ or 1 ¾ male acme threaded valve.

If your meter cannot be safely tested, it is non-compliant and must be corrected. Compliance can typically be achieved with a simple service call, but a licensed service company can assist you in determining the specific compliance options and cost estimates for your equipment. A list of certified service companies is available on our website here:
http://datcp.wi.gov/Consumer/Weights_and_Measures/Service_Company_Information/index.aspx

Wis. Stat. 98 requires that when LPG is sold to a consumer by liquid measurement the volume of liquid must be corrected to 60°F using a meter that is equipped with a sealed automatic compensating mechanism, or a manual method using an approved volume correction factor table and a thermometer which meets the requirements under ATCP 92.40. The table can be found here in ATCP 92.41:
https://docs.legis.wisconsin.gov/code/admin_code/atcp/090/92/V/41