

*Proposed additions are underlined
Proposed deletions are ~~strikethrough~~*

California Code of Regulations
Title 4. Business Regulations
Division 9. Division of Measurement Standards
Department of Food and Agriculture

Chapter 1. Tolerances and Specifications for Commercial Weighing and Measuring
Devices

Article 1. National Uniformity, Exceptions and Additions

§ 4001. Exceptions.

Note: The following sections of National Institute of Standards and Technology Handbook 44 – 3.37. Mass Flow Meters and Appendix D. Definitions are not adopted or incorporated by reference:

S.1.2. Compressed Natural Gas Dispensers.

S.1.3.1.1. Compressed Natural Gas Used as an Engine Fuel.

S.5.2. Marking of Gasoline Volume Equivalent Conversion Factors for Compressed Natural Gas.

UR.3.8. Return of Product to Storage, Retail Compressed Natural Gas Dispensers.

Appendix D – Definitions: gasoline gallon equivalent (GGE).

Appendix D – Definitions: gasoline liter equivalent (GLE).

Note: Authority cited: Sections 12027 and 12107, Business and Professions Code.
Reference: Section 12107, Business and Professions Code.

§ 4002. Additional Requirements.

§ **4002.10. Mass Flow Meters. (3.37)**

S.1.2. Compressed Natural Gas and Liquefied Natural Gas Dispensers. – Except for fleet sales and other price contract sales, a compressed or liquefied natural gas dispenser used to refuel vehicles shall be of the computing type and shall indicate the quantity, the unit price, and the total price of each delivery. The dispenser shall display the mass measured for each transaction either continuously on an external or internal display accessible during the inspection and test of the dispenser, or display the quantity in mass units by using controls on the device.

S.1.3.1.1. Compressed Natural Gas Used as an Engine Fuel. – When compressed natural gas is dispensed as an engine fuel, the delivered quantity shall be indicated in “gasoline gallon equivalent (GGE) units” (Also see Appendix D definitions.)

S.1.3.1.2. Liquefied Natural Gas Used as an Engine Fuel. – When liquefied natural gas is dispensed as an engine fuel, the delivered quantity shall be indicated in diesel gallon equivalent units (DGE). (Also see Appendix D definitions.)

S.5.2. Marking of Gasoline Volume Equivalent Conversion Factors for Compressed Natural Gas. – A device dispensing compressed natural gas shall have the statement “1 Gasoline Gallon Equivalent (GGE) is Equal to 5.66 lb of Compressed Natural Gas” permanently and conspicuously marked on the face of the dispenser.

S.5.3. Marking of Diesel Volume Equivalent Conversion Factors for Liquefied Natural Gas. – A device dispensing liquefied natural gas shall have the statement “1 Diesel Gallon Equivalent (DGE) means 6.06 lb of Liquefied Natural Gas” permanently and conspicuously marked on the face of the dispenser.

UR.3.8. Return of Product to Storage, Retail Compressed and Liquefied Natural Gas Dispensers. – Provisions at the site shall be made for returning product to storage or disposing of the product in a safe and timely manner during or following testing operations. Such provisions may include return lines, or cylinders adequate in size and number to permit this procedure.

Appendix D – Definitions: diesel gallon equivalent (DGE). Diesel gallon equivalent (DGE) means 6.06 pounds of natural gas.[3.37]

Appendix D – Definitions: gasoline gallon equivalent (GGE). Gasoline gallon equivalent (GGE) means 5.66 pounds of natural gas.[3.37]

Note: Authority cited: Sections 12027 and 12107, Business and Professions Code.
Reference: Sections 12107, 13400(b)(9), and 13404, Business and Professions Code.