

LP-Gas Systems

System location – LP-Gas supply systems, including the containers, shall be installed either on the outside of the vehicle or in a recess or cabinet that is vapor tight to the inside of the vehicle but accessible from and vented to the outside, with the vents located near the top and bottom of the enclosure and 3 feet horizontally away from any opening into the vehicle and below the level of the vents.

Protection of containers – LP-gas containers installed or stored in or on the vehicle shall be:

- Securely mounted and restrained to prevent movement.
- LP tanks if located on back of vehicle, adequate impact protection provided.
- Stored in an approved manner in an upright position.
- Protected from weather.
- Have a cap or collar to protect against physical damage regardless of whether they are full, partially full, or empty, and cylinder outlet valves shall be closed.

Protection of system piping – LP-gas system piping, including valves and fittings, shall be adequately protected to prevent tampering, impact and damage, and damage from vibration.

Tanks within hydro – All tanks shall be within hydro dates. Dates can be verified on new cylinders by checking for a manufacturer's 4-digit month/year stamped on the collar. Cylinders that have previously been recertified will have an aftermarket 6 or 8 alphanumeric stamp that will read like the following example: 02X07E or 07ABC07E.

Inspected for damage – Damage can threaten the integrity of the tanks.

LP-gas alarm – A listed LP-gas alarm shall be installed within the vehicle in the vicinity of LP-gas system components, in accordance with the manufacturer's instructions.

- [LP Gas Alarm FEQ's](#)

Shutoff valves – There shall be a minimum of two shutoff valves:

- Main shutoff valve on the LP-Gas containers for liquid and vapor shall be readily accessible.
- Emergency shutoff valve shall be a quarter-turn manual gas ball valve installed within the LP-Gas piping installed on the exterior of the vehicle and readily accessible.

Caution plate - A permanent caution plate shall be provided, affixed to either the appliance or the vehicle outside of any enclosure and adjacent to the container(s), and shall include the following items:



CAUTION

- 1) **Be sure all appliance valves are closed before opening container valve.**
- 2) **Connections at the appliances, regulators, and containers shall be checked periodically for leaks with soapy water or its equivalent.**
- 3) **Never use a match or flame to check for leaks.**
- 4) **Container valves shall be closed when equipment is not in use.**

[DOT Food Truck Cylinder Safety Video](#)

ATTENTION:

Are you aware that your compressed gas cylinders must be inspected?

Cylinders are required to be requalified, or replaced every 5-12 years depending on the cylinder type, condition, and previous requalification method (Ref. 49 CFR §§ 180.205(d) and 180.209).

The original manufacture/test date and any requalification/retest dates must be presented in a specific manner. Cylinders that are overdue for requalification must not be refilled.

If propane tanks are manufactured to ASTM Standards and built into the truck's body making it difficult to remove, then these tanks are exempt from the DOT reinspection requirements.

For more information, contact the Hazmat Info-Center: 1-800-467-4922.



RIN number identifying retester/requalifier

7^{A1} 14₃₂

Month last requalified Year last requalified

Requalification Date



Original Manufacture/ Test Date

If no requalification markings are found, the cylinder must be requalified within 12 years of the original manufacture date. (Must be requalified by 5/2017 in this example)



Volumetric Test.

Basic Marking. Must be requalified within 12 years of stamped date (Must be requalified by 7/2026 in this example)



Proof Pressure Test.

"S" indicates cylinder must be requalified within 7 years of stamped date (Must be requalified by 7/2021 in this example)



External Visual Test.

"E" indicates cylinder must be requalified within 5 years of stamped date (Must be requalified by 7/2019 in this example)