

Seattle Fire Department

Permit Conditions

5204

LPG Motor Vehicle Fuel-Dispensing Station

1. Motor fuel-dispensing facilities for liquefied petroleum gas (LP-gas) fuel are prohibited in the fire district. (SFC 2307.1.1)
2. Storage vessels and equipment used for the storage or dispensing of LP-gas shall be approved or listed. (SFC 2307.2)
3. Containers, pressure relief devices (including pressure relief valves), pressure regulators and piping for LP-gas shall be approved. (SFC 2307.2.1)
4. Hoses, hose connections, vehicle fuel connections, dispensers, LP-gas pumps and electrical equipment used for LP-gas shall be listed. (SFC 2307.2.2)
5. Motor fuel-dispensing operations for LP-gas shall be conducted by qualified attendants or in accordance with Section 2307.6 by persons trained in the proper handling of LP-gas. (SFC 2307.3)
6. The point of transfer for LP-gas dispensing operations shall be 25 feet (7620 mm) or more from buildings having combustible exterior wall surfaces, buildings having noncombustible exterior wall surfaces that are not part of a 1-hour fire-resistance-rated assembly, or buildings having combustible overhangs, lot lines of property which could be built on, and the centerline of the nearest mainline railroad track; and at least 10 feet (3048 mm) from driveways, public streets or sidewalks and buildings that have noncombustible exterior wall surfaces that are part of a fire-resistance-rated assembly having a rating of 1 hour or greater. (SFC 2307.4)
7. LP-gas dispensing devices and equipment shall be installed in accordance with the manufacturer's specifications and their listing. (SFC 2307.6)
8. A manual shutoff valve and an excess flow-control check valve shall be located in the liquid line between the pump and the dispenser inlet where the dispensing device is installed at a remote location and is not part of a complete storage and dispensing unit mounted on a common base. (SFC 2307.6.1)
9. An excess flow-control check valve or an emergency shutoff valve shall be installed in or on the dispenser at the point at which the dispenser hose is connected to the liquid piping. (SFC 2307.6.1)
10. Hoses and piping for the dispensing of LP-gas shall be provided with hydrostatic relief valves. The hose length shall not exceed 18 feet (5486 mm). An approved method shall be provided to protect the hose against mechanical damage. (SFC 2307.6.2)
11. Where installed within 10 feet of vehicle traffic, vehicle impact protection for LP-gas storage containers, pumps and dispensers shall be provided in accordance with Section 2307.5. Item 2. (SFC 2307.6.4)
12. Self-service LP-gas dispensing systems, including key, code and card lock dispensing systems shall be limited to the filling of permanently mounted fuel containers on LP-gas powered vehicles.
Self-service LP-gas dispensing systems shall be in accordance with the following:
 - a. The system shall be provided with an emergency shutoff switch located within 100 feet (30 480 mm) of, but not less than 20 feet (6096 mm) from, dispensers.
 - b. The owner of the LP-gas motor fuel-dispensing facility shall provide for the safe operation of the system and the training of users.
 - c. The dispenser and hose-end valve shall release not more than 1/8 fluid ounce (4 cc) of liquid to the atmosphere upon breaking the connection with the fill valve on the vehicle.
 - d. Portable fire extinguishers shall be provided in accordance with Section 2305.5.
 - e. Warning signs shall be provided in accordance with Section 2305.6
 - f. The area around the dispenser shall be maintained in accordance with Section 2305.7 (SFC 2307.7)

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13. LP-gas containers shall not be filled in excess of the fixed outage installed by the manufacturer or the weight stamped on the tank. (SFC 2307.8)
14. Internal combustion engines within 15 feet of a point of transfer shall be shut down while transfer operations are in progress. (2017 NFPA 58 Section 7.2.3.2)
15. Sources of ignition shall be turned off during the filling of any LP-gas container on the vehicle. (2017 NFPA 58 Section 7.2.3.2)
16. Smoking, open flame, portable electric tools, and extension lights capable of igniting LP-gas shall not be permitted within 25 feet of a point of transfer while filling operations are in progress at vehicles. (SFC 6107.2)
17. NO SMOKING signs shall be posted within 25 feet of a point of transfer. (SFC 6107.2)
18. A portable fire extinguisher with a minimum rating of 40-BC shall be located a minimum of 10 feet from and a maximum travel distance of 30 feet from the transfer operations. (SFC 6108.2, 906)