

Seattle Fire Department

Permit Conditions

8202-EX

LPG Cylinder Exchange at Mercantile Occupancies

This permit shall be kept on the premises designated herein at all times and shall be readily available for inspection by the fire code official. [SFC 105.3.5]

1. The smoking or carrying of a lighted pipe, cigar, cigarette or any other type of smoking paraphernalia, including “vaping pens” is prohibited within 25 feet of LPG storage or use. (SFC 6107.2)
2. The *fire code official* is authorized to order the posting of “No Smoking” signs in a conspicuous location in each structure or location in which smoking is prohibited. The content, lettering, size, color and location of required “No Smoking” signs shall be *approved*. (SFC 310.3)
3. A posted “No Smoking” sign shall not be obscured, removed, defaced, mutilated or destroyed. (SFC 310.4)
4. Leaking, damaged or corroded *compressed gas* containers, cylinders and tanks shall be removed from service. (SFC 6101.1, NFPA 58 5.2.1.4)
5. LP-gas containers awaiting use, resale or part of a cylinder exchange program shall be located in accordance with Table 6109.12. (SFC 6109.12)

**TABLE 6109.12
SEPARATION FROM EXPOSURES OF LP-GAS CONTAINERS AWAITING USE,
RESALE OR EXCHANGE STORED OUTSIDE OF BUILDINGS**

QUANTITY OF LP-GAS STORED (pounds)	MINIMUM SEPARATION DISTANCE FROM STORED LP-GAS CYLINDERS TO (feet):						
	Nearest important building or group of buildings or line of adjoining property that may be built upon	Line of adjoining property occupied by schools, places of religious worship, hospitals, athletic fields or other points of public gathering; busy thoroughfares; or sidewalks	LP-gas dispensing station	Doorway or opening to a building with two or more means of egress	Doorway or opening to a building with one means of egress	Combustible materials	Motor vehicle fuel dispenser
720 or less	0	0	5	5	10	10	20
721–2,500	0	10	10	5	10	10	20
2,501–6,000	10	10	10	10	10	10	20
6,001–10,000	20	20	20	20	20	10	20
Over 10,000	25	25	25	25	25	10	20

6. Safety devices on LP-gas containers, equipment and systems shall not be tampered with or made ineffective. (SFC 6107.1)
7. At least one portable fire extinguisher having a minimum rating of 40-BC shall be provided and located a minimum of 10 feet from, and a maximum travel distance of 30 feet from LP–gas containers. (SFC 6108.2, Table 906.3(2), NFPA 58)
8. Empty LP-gas containers, previously used, shall be considered as full containers for the purpose of determining the maximum quantities of LP-gas. (SFC 6109.5)
9. LP-gas containers shall be stored within a suitable enclosure or otherwise protected against tampering. Vehicle impact protection shall not be required for protection of LP-Gas containers where the containers are kept in lockable, ventilated cabinets of metal construction. (SFC 6109.13)

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10. In addition to other applicable requirements, facilities operating LP-gas cylinder exchange stations that are accessible to the public shall comply with the following requirements:
 - i. Cylinders shall be secured in a lockable, ventilated metal cabinet or other *approved* enclosure.
 - ii. Cylinders shall be accessible only by authorized personnel or by use of an automated exchange system in accordance with SFC Section 6109.15.1.
 - iii. A sign shall be posted on the entry door of the business operating the cylinder exchange stating "DO NOT BRING LP-GAS CYLINDERS INTO THE BUILDING" or similar approved wording.
 - iv. An emergency contact information sign shall be posted within 10 feet (3048 mm) of the cylinder storage cabinet. The content, lettering, size, color and location of the required sign shall be as required by the *fire code official*. (SFC 6109.15)

11. Cylinder exchange stations that include an automated vending system for exchanging cylinders shall comply with the following additional requirements:
 - i. The vending system shall only permit access to a single cylinder per individual transaction.
 - ii. Cabinets storing cylinders shall be designed such that cylinders can only be placed inside when they are oriented in the upright position.
 - iii. Devices operating doors for access to stored cylinders, shall be permitted to be pneumatic, mechanical or electrically powered.
 - iv. Electrical equipment inside of or within 5 feet (1524 mm) of a cabinet storing cylinders, including but not limited to electronics associated with vending operations, shall comply with the requirements for Class I, Division 2 equipment in accordance with NFPA 70.
 - v. A manual override control shall be permitted for use by authorized personnel. The vending system shall not be capable of returning to automatic operation after a manual override until the system has been inspected and reset by authorized personnel.
 - vi. Inspections shall be conducted by authorized personnel to verify that all cylinders are secured, access doors are closed and the station has no visible damage or obvious defects that necessitate placing the station out of service. The frequency of inspections shall be as specified by the *fire code official*. (SFC 6109.15.1)