

## CHAPTER 23

# MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES

Double strike through denotes model language deleted by Oregon  
Blue text denotes Oregon Amendments

**2301.3 Construction documents.** *Construction documents* shall be submitted for review and approval prior to the installation or construction of automotive, marine or fleet vehicle motor fuel-dispensing facilities and repair garages in accordance with Section 105.4. **Document requirements for above-ground tanks, see Section 5701.6.**

**2302.1.1 Limited application.** For the purpose of Chapter 23, certain terms are defined as follows:

**NONRETAIL FACILITY.** Means an unattended or dual operations facility where Class I flammable liquids are dispensed through a card or key activated fuel-dispensing device by nonretail customers.

**RETAIL FACILITY.** Means a facility that sells Class I flammable liquids to the public in compliance with ORS 480.330.

**2304.2 (Not adopted) Attended self-service motor fuel-dispensing facilities.** *Attended self-service motor fuel-dispensing facilities shall comply with Sections 2304.2.1 through 2304.2.5. Attended self-service motor fuel-dispensing facilities shall have at least one qualified attendant on duty while the facility is open for business. The attendant's primary function shall be to supervise, observe and control the dispensing of fuel. The attendant shall prevent the dispensing of fuel into containers that do not comply with Section 2304.4.1, control sources of ignition, give immediate attention to accidental spills or releases, and be prepared to use fire extinguishers.*

**2304.2.1 (Not adopted) Special-type dispensers.** *Approved special-dispensing devices and systems such as, but not limited to, card- or coin-operated and remote-preset types, are allowed at motor fuel-dispensing facilities provided there is at least one qualified attendant on duty while the facility is open to the public. Remote preset-type devices shall be set in the "off" position while not in use so that the dispenser cannot be activated without the knowledge of the attendant.*

**2304.2.2 (Not adopted) Emergency controls.** *Approved emergency controls shall be provided in accordance with Section 2303.2.*

**2304.2.3 (Not adopted) Operating instructions.** *Dispenser operating instructions shall be conspicuously posted in approved locations on every dispenser.*

**2304.2.4 (Not adopted) Obstructions to view.** *Dispensing devices shall be in clear view of the attendant at all times. Obstructions shall not be placed between the dispensing area and the attendant.*

**2304.2.5 (Not adopted) Communications.** *The attendant shall be able to communicate with persons in the dispensing area at all times. An approved method of communicating with the fire department shall be provided for the attendant.*

**2304.3 Unattended self-service motor Nonretail and fleet vehicle motor fuel-dispensing facilities.** ~~Unattended self-service motor~~ **Nonretail** fuel-dispensing facilities shall comply with Sections 2304.3.1 through ~~2304.3.7~~ **2304.3.8. Fleet vehicle motor fuel-dispensing facilities shall comply with section 2304.3.2 through 2304.3.6.**

**2304.3.1 General.** ~~Where approved, unattended self-service motor fuel-dispensing facilities are allowed. As a condition of approval,~~ **When nonretail-dispensing facilities dispensing flammable liquids are permitted.** The owner or operator shall provide, and be accountable for, ~~daily~~ **weekly** site visits, regular equipment inspection and maintenance.



**ORS 480.310 through 480.385 and OAR 837-020-0025 through OAR 837-020-0125 are not a part of this code but are reproduced or paraphrased here for the reader's convenience.**

**Self service gasoline dispensing at retail is prohibited in Oregon. However, nonretail commercial fueling is allowed. ORS 480.310 through 480.385 and OAR 837-020-0025 through 837-020-0125 are the State of Oregon administrative provisions pertaining to nonretail fueling sites including: definitions, operations, prohibitions, conditions of use, fire safety training, licensing, installations, certifications and record keeping, inspections and fees and penalties.**

**2304.3.2 Dispensers.** Dispensing devices shall comply with Section 2306.7. ~~Dispensing devices operated by the insertion of coins or currency shall not be used unless approved.~~

**2304.3.7 Quantity limits.** Dispensing equipment used at unsupervised locations shall comply with one of the following:

1. Dispensing devices shall be programmed or set to limit uninterrupted fuel delivery to ~~25-40~~ gallons ~~(95 L)~~ **(152 L)** and require a manual action to resume delivery.

**Exception: Class II or III liquids may be programmed or set to limit uninterrupted fuel delivery of up to 250 gallons (950 l).**

2. The amount of fuel being dispensed shall be limited in quantity by a preprogrammed card as *approved*.

**2304.3.8 Obstructions to view.** Persons dispensing fuel must remain outside the vehicle being fueled, with the fueling nozzle in full view at all times.

**2305.4 Sources of ignition.** Smoking and open flames shall be prohibited ~~in areas where fuel is dispensed~~ **within 25 feet (7620 mm) of fueling operations.** The engines of vehicles being fueled shall be shut off during fueling. Electrical equipment shall be in accordance with NFPA 70.

**2305.6 Warning signs.** Warning signs shall be conspicuously posted within sight of each dispenser in the fuel-dispensing area and shall state the following:

1. No smoking.
2. Shut off motor.
3. Discharge your static electricity before fueling by touching a metal surface away from the nozzle.
4. To prevent static charge, do not reenter your vehicle while gasoline is pumping.
5. If a fire starts, do not remove nozzle—~~back away immediately~~ **use emergency fuel shutoff.**
6. It is unlawful and dangerous to dispense gasoline into unapproved containers.
7. No filling of portable containers in or on a motor vehicle. Place container on ground before filling.

**2306.2.3 Above-ground tanks located outside, above grade.** Above-ground tanks shall not be used for the storage of Class I, II or III~~A~~ liquid motor fuels except as provided by this section.

1. Above-ground tanks used for outside, above-grade storage of Class I liquids shall be *listed* and *labeled* as protected above-ground tanks in accordance with UL 2085 **or, when approved by the fire code official, other above-ground tanks that comply** ~~and be in accordance~~ with Chapter 57. Such tanks shall be located in accordance with Table 2306.2.3.

2. Above-ground tanks used for outside, above-grade storage of Class II or IIIA liquids shall be *listed* and *labeled* as-protected above-ground tanks in accordance with UL 2085 and shall be installed in accordance with Chapter 57. Tank locations shall be in accordance with Table 2306.2.3.

**Exception:** Other above-ground tanks that comply with Chapter 57 where *approved* by the *fire code official*.

3. **Protected** tanks containing fuels shall not exceed 12,000 gallons (45 420 L) in individual capacity or 48,000 gallons (181 680 L) in aggregate capacity. **Other tanks shall not exceed 6,000 gallons (22 712 L) in individual capacity or 18,000 gallons (68 137 L) in aggregate capacity.** Installations with the maximum allowable aggregate capacity shall be separated from other such installations by not less than 100 feet (30 480 mm).

**Exception:** Tanks containing Class II or IIIA liquids may be of greater capacity when approved by the *fire code official*.

4. Tanks located at farms, construction projects, or rural areas shall comply with Section 5706.2.

5. Above-ground tanks used for outside above-grade storage of Class IIIB liquid motor fuel shall be *listed* and *labeled* in accordance with UL 142 or *listed* and *labeled* as protected above-ground tanks in accordance with UL 2085 and shall be installed in accordance with Chapter 57. Tank locations shall be in accordance with Table 2306.2.3.

**TABLE 2306.2.3  
MINIMUM SEPARATION REQUIREMENTS FOR ABOVE-GROUND TANKS**

CLASS OF LIQUID AND TANK TYPE	INDIVIDUAL TANK CAPACITY (gallons)	MINIMUM DISTANCE FROM NEAREST IMPORTANT BUILDING ON SAME PROPERTY (feet)	MINIMUM DISTANCE FROM NEAREST FUEL DISPENSER (feet)	MINIMUM DISTANCE FROM LOT LINE THAT IS OR CAN BE BUILT UPON, INCLUDING THE OPPOSITE SIDE OF A PUBLIC WAY (feet)	MINIMUM DISTANCE FROM NEAREST SIDE OF ANY PUBLIC WAY (feet)	MINIMUM DISTANCE BETWEEN TANKS (feet)
Class I protected above-ground tanks	Less than or equal to 6,000	5	25 <sup>a</sup>	15	5	3
	Greater than 6,000	15	25 <sup>a</sup>	25	15	3
Class II and III protected above-ground tanks	Same as Class I	Same as Class I	Same as Class I <sup>c</sup>	Same as Class I	Same as Class I	Same as Class I
Tanks in vaults	0-20,000	0 <sup>b</sup>	0	0 <sup>b</sup>	0	Separate compartment required for each tank
Other tanks	All	50	50 <sup>a</sup>	100	50	3

For SI: 1 foot = 304.8 mm, 1 gallon = 3.785 L.

a. At fleet vehicle motor fuel-dispensing facilities, no minimum separation distance is required.

b. Underground vaults shall be located such that they will not be subject to loading from nearby structures, or they shall be designed to accommodate applied loads from existing or future structures that can be built nearby.

c. For Class IIIB liquids in protected above-ground tanks, no minimum separation distance is required.

**2307.1 General.** Motor fuel-dispensing facilities for liquefied petroleum gas (LP-gas) fuel shall be in accordance with this section and Chapter 61. **Refer to ORS 480.410 through 480.490 and OAR 837-030-0100 through 837-030-0280 for administrative provisions pertaining to liquefied petroleum gas licensing and notification of liquefied petroleum gas installations.**

ORS 480.410 through 480.490 and OAR 837-030-0100 through 837-030-0280 are not a part of this code but are reproduced or paraphrased here for the reader's convenience.

ORS 480.410 through 480.490 and OAR 837-030-0100 through 837-030-0280 are the State of Oregon administrative provisions pertaining to liquefied petroleum gas including: definitions, fire and life safety standards, licensing, installations, examinations and fees and penalties.

**2308.1 General.** Motor fuel-dispensing facilities for compressed natural gas (CNG) fuel shall be in accordance with this section and Chapter 53. **For residential fueling installations, see Appendix C, Section 413 of the Oregon Mechanical Specialty Code.**

**2308.6.1 Emergency breakaway devices.** Dispenser hoses for compressed natural gas-dispensing systems for containers or vehicle resale shall be equipped with a listed emergency breakaway device designed to retain liquid on both sides of a breakaway point. Such devices shall be installed and maintained in accordance with the Manufacturer's instructions.

**2308.7 Emergency shutdown control.** An emergency shutdown control shall be located within **100 feet (30 480 mm)** ~~75 feet (22 860 mm)~~ of, but not less than **20 feet (6096 mm)** ~~25 feet (7620 mm)~~ from, dispensers and shall also be provided in the compressor area. Upon activation, the emergency shutdown system shall automatically shut off the power supply to the compressor and close valves between the main gas supply and the compressor and between the storage containers and dispensers.

**2310.3.2 Supervision.** Marine motor fuel-dispensing facilities shall have an attendant or supervisor who is fully aware of the operation, mechanics and hazards inherent to fueling of boats on duty whenever the facility is open for business. The attendant's primary function shall be to supervise, observe and control the dispensing of Class I, II or IIIA liquids or flammable gases.

**Exception: Gasoline dispensing by qualified customers at licensed nonretail dispensing facilities.**

**2310.6.1 Standpipe hose stations.** Piers, wharves and floats at marine motor vehicle fuel-dispensing stations with any portion in excess of 250 feet (76 200 mm) from fire apparatus access shall be equipped with an approved wet standpipe system installed in accordance with Chapter 9.

**Exception: Waterlines shall normally be dry where subject to freezing temperatures.**

Fire hose, where provided, shall be enclosed within a cabinet, and hose stations shall be *labeled*: FIRE HOSE—EMERGENCY USE ONLY.