

**Storage
New Rules
4-29-11**

(--) You must store oxygen and fuel gas cylinders:

(--) In locations that are:

(--) Assigned.

(--) Well ventilated.

(--) Dry.

(--) Away from heat sources. 253(b)(i)

(--) Not in direct sunlight..

(--) Posted with signs prohibiting smoking and open flame within 20 feet.

NOTE: All high and low pressure cylinders in contact with or secured to a conductive table or column without being isolated from electrical current can become part of an electrical circuit.

(--) In areas:

(--) Where the temperature does not exceed 125°F (52°C).

(--) Where sparks, hot slag, or flame will not reach them.

(--) Where full and empty cylinders are separated.

(--) Where they will not contact electrical welding equipment or electrical circuits.

(--) Where they are protected from corrosion

(--) Where they will not be:

(--) Knocked over.

(--) Damaged by passing or falling objects.

(--) Subjected to tampering by unauthorized person.

(--) Where they can be struck by heavy objects.

(--) Near elevators.

(--) Near stairs.

(--) Near walkways.

(--) Near exit routes. 437-002-0041(8)(c)

(--) In unventilated enclosed spaces.

(--) In confined spaces.

(--).With valve caps in place.

NOTE: This applies to cylinders design to accept valve caps.

(--) So they are secured from movement..

(--) So liquefied gas cylinders are verticle.

(--) So refrigerated liquid containers valves are vertical.

(--) So oxygen cylinders are separated from fuel-gas cylinders or combustible materials (especially oil or grease) and any other substance likely to cause or accelerate fire by a:

(--) Minimum distance of 20 feet (6.1 m), or

(--) Noncombustible barrier that:

(--) Vertically extended 18 inches above the tallest oxygen cylinder(s) and at least 5 feet (1.5 m) high.

(--) Laterally extends 18 inches beyond the sides of the oxygen cylinders.

(--) Has a fire-resistance rating of at least one-half hour.

(--) You must store cylinders of liquefied petroleum gas in excess of 2,000 cubic feet total gas capacity or 300 pounds:

NOTE: This does not apply to cylinders in actual use or attached ready or use.

(--) Outside, or

(--) In a separate room, compartment or special building that has:

(--) Interior walls, partitions, floors, and ceilings that: 253(f)(6)(i)(H)

(--) Are constructed with noncombustible material having a fire-resistance floor to ceiling. 253(f)(6)(i)(H)

(--) Are securely anchored. 253(f)(6)(i)(H)

(--) Has at least one wall of the room that is an exterior wall. 253(f)(6)(i)(H)

(--) Openings from an inside the room to other parts of the building that are protected by a swinging type, self-closing fire door for a Class B opening and having a rating of at least 1 hour. 253(f)(6)(i)(I)

(--) Wired glass windows in partitions that are mounted with approved metal frames and fixed sash and installed in accordance with the Standard for the Installation of Fire Doors and Windows, NFPA 80-1970. 253(f)(6)(i)(I)

(--) You must comply with the provisions of the Standard for Bulk Oxygen Systems at Consumer Sites, **NFPA No. 566-1965 when:**

(--) A liquid oxygen system is to be used to supply gaseous oxygen that has a storage capacity of more than 13,000 cubic feet (364 m³) of oxygen (measured at 14.7 psia (101 kPa) and 70° F (21.1° C)), connected in service or ready for service, or

(--) More than 25,000 cubic feet (700 m³) of oxygen measured at 14.7 psia (101 kPa) and 70° F (21.1° C), including unconnected reserves on hand at the site.