

Kind of gas	Maximum permitted filling density (percent) (see Note 1)	Packaging marked as shown in this column or of the same type with higher service pressure must be used, except as provided in §§ 173.301(l), 173.301a(e), and 180.205(a) (see notes following table)
Methyl acetylene-propadiene, mixtures, stabilized DOT-3A240; (see Note 5).	Not liquid full at 131 °F	DOT-4B240 without brazed seams; DOT-4BA240 without brazed seams; DOT-3A240; DOT-3AA240; DOT-3B240; DOT-3E1800; DOT-4BW240; DOT-4E240; DOT-4B240ET; DOT-4; DOT-41; DOT-3AL240.
* * *	* * *	* * *
Tetrafluoroethylene, stabilized	90	DOT-3A1200; DOT-3AA1200; DOT-3E1800.
Trifluorochloroethylene, stabilized	115	DOT-3A300; DOT-3AA300; DOT-3B300; DOT-4A300; DOT-4B300; DOT-4BA300; DOT-4BW300; DOT-3E1800.
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Vinyl fluoride, stabilized	62	DOT-3A1800; DOT-3AA1800; DOT-3E1800; DOT-3AL1800.
Vinyl methyl ether, stabilized (see Note 5)	68	DOT-4B150, without brazed seams; DOT-4BA225 without brazed seams; DOT-4BW225; DOT-3A150; DOT-3AA150; DOT-3B1800; DOT-3E1800.

Note 14: The use of DOT specification cylinder with a marked service pressure of 480 psi is authorized until December 31, 2003.

(c) *Verification of content in cylinder.* Except as noted in paragraph (d)(4) of this section, the amount of liquefied gas filled into a cylinder must be by weight or, when the gas is lower in pressure than required for liquefaction, a pressure-temperature chart for the specific gas may be used to ensure that the service pressure at 55 °C (131 °F) will not exceed 5/4 of the service pressure at 21 °C (70 °F). The weight of liquefied gas filled into the cylinder also must be checked, after disconnecting the cylinder from the filling line, by the use of an accurate scale.

(d) * * *

(4) *Verification of content.* A cylinder with a water capacity of 90.72 kg (200 lb) or more and for use with a liquefied petroleum gas with a specific gravity of 0.504 or greater at 16 °C (60 °F) may have the quantity of its contents determined by using a fixed length dip tube gauging device. * * *

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§ 173.305 [Amended]

■ 18. In § 173.305, in paragraph (b), the term “130 °F” is revised to read “131 °F”.

■ 19. In § 173.306, paragraph (g)(5) is revised to read as follows:

§ 173.306 Limited quantities of compressed gases.

* * *

(g) * * *

(5) Each tank must be overpacked in a strong outer packaging in accordance with § 173.301(h).

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PART 177—CARRIAGE BY PUBLIC HIGHWAY

■ 20. The authority citation for part 177 continues to read as follows:

Authority: 49 U.S.C. 5101–5127; 49 CFR 1.53.

■ 21. In § 177.840, paragraph (a)(1) is revised to read as follows:

§ 177.840 Class 2 (gases) materials.

(a) * * *

(1) *Cylinders.* Cylinders containing Class 2 gases must be securely restrained in an upright or horizontal position, loaded in racks, or packed in boxes or crates to prevent the cylinders from being shifted, overturned or ejected from the motor vehicle under normal transportation conditions. However, after December 31, 2003, a pressure relief device, when installed, must be in communication with the vapor space of a cylinder containing a Division 2.1 (flammable gas) material.

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PART 180—CONTINUING QUALIFICATION AND MAINTENANCE OF PACKAGINGS

■ 22. The authority citation for part 180 continues to read as follows:

Authority: 49 U.S.C. 5101–5127; 49 CFR 1.53.

■ 23. In § 180.205, the following changes are made:

■ a. Paragraphs (c)(4) and (f)(4) are revised.

■ b. In paragraph (g)(2), the reference “0.1 cm³” is removed and “0.1 cc” is added in its place.

■ c. In paragraph (g)(3)(ii), the reference “0.1 cubic centimeter” is removed and “0.1 cc” is added in its place.

The revisions read as follows:

§ 180.205 General requirements for requalification of cylinders.

* * *

(c) * * *

(4) For a specification 3, 3A, 3AA, 3AL, 3AX, 3AXX, 3B, 3BN, or 3T cylinder filled with gases in other than Division 2.2, from the first requalification due on or after December 31, 2003, the burst pressure of a CG-1, CG-4, or CG-5 pressure relief device must be at test pressure with a tolerance of plus zero to minus 10%. An additional 5% tolerance is allowed when a combined rupture disc is placed inside a holder. This requirement does not apply if a CG-2, CG-3 or CG-9 thermally activated relief device or a CG-7 reclosing pressure valve is used on the cylinder.

* * *

(f) * * *

(4) In addition to other requirements prescribed in this paragraph (f), a specification or exemption cylinder made of aluminum alloy 6351-T6 must be inspected for evidence of sustained load cracking (SLC) in the neck and shoulder area.

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■ 24. In § 180.209, the following amendments are made:

■ a. In the table in paragraph (a)(1):

■ 1. In Column 3, the heading “Test period (years)” is revised to read “Requalification period (years)”;

■ 2. For the entry “3HT”, in column 3, the wording “3 (see §§ 180.209(i) and 180.213(c))” is revised to read “3 (see §§ 180.209(k) and 180.213(c))”;

■ 3. For the entry “4AA480”, in column 3, the wording “5 or 10 (see § 180.209(e)(14))” is revised to read “5 or 10 (see § 180.209(h))”;

■ 4. For the entry “Foreign cylinder (see § 173.301(j) of this subchapter for restrictions on use).”, in column 3, the wording