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TITLE 46--SHIPPING

CHAPTER I--COAST GUARD, DEPARTMENT OF HOMELAND SECURITY

PART 25_REQUIREMENTS--Table of Contents

Subpart 25.30_Fire Extinguishing Equipment

Sec. 25.30-1 Application.

- (a) The provisions of this subpart, with the exception of Sec. 25.30-90, shall apply to all vessels contracted for on or after November 19, 1952. Vessels contracted for prior to that date shall meet the requirements of Sec. 25.30-90.

Sec. 25.30-5 General provisions.

- (a) Where equipment in this subpart is required to be of an approved type, such equipment requires the specific approval of the Commandant. Such approvals are published in the Federal Register, and in addition, are contained in Coast Guard publication COMDTINST M16714.3 (Series), Equipment Lists.
- (b) All hand portable fire extinguishers, semiportable fire extinguishing systems, and fixed fire extinguishing systems shall be of an approved type.

[CGFR 65-50, 30 FR 16653, Dec. 30, 1965, as amended by CGD 96-041, 61 FR 50726, Sept. 27, 1996]

Sec. 25.30-10 Hand-portable fire extinguishers and semi-portable fire-extinguishing systems.

- (a) Hand portable fire extinguishers and semiportable fire extinguishing systems are classified by a combination letter and number symbol. The letter indicating the type of fire which the unit could be expected to extinguish, and the number indicating the relative size of the unit.
- (b) For the purpose of this subchapter, all required hand portable fire extinguishers and semiportable fire extinguishing systems are of the "B" type; i.e., suitable for extinguishing fires involving flammable liquids, greases, etc.
- (c) The number designations for size run from "I" for the smallest to "V" for the largest. Sizes I and II are hand-portable fire extinguishers; sizes III, IV, and V are semi-portable fire-extinguishing systems, which must be fitted with hose and nozzle or other practical means to cover all portions of the space involved. Examples of the sizes for some of the typical hand-portable fire extinguishers and semi-portable fire-extinguishing systems appear in Table 25.30-10(C):

Table 25.30-10(C)

Classification	Foam, liters (gallons)	Carbon dioxide, kilograms (pounds)	Dry chemical, kilograms (pounds)
B-I.....	6.5 (1 $\frac{3}{4}$)	2 (4)	1 (2)
B-II.....	9.5 (2 $\frac{1}{2}$)	7 (15)	4.5 (10)
B-III.....	45(12)	16 (35)	9 (20)
B-IV.....	75(20)	23 (50)	13.5 (30)
B-V.....	150(40)	45 (100)	23 (50)

- (d) All hand portable fire extinguishers and semiportable fire extinguishing systems shall have permanently attached thereto a metallic name plate giving the name of the item, the rated capacity in gallons, quarts, or pounds, the name and address of the person or firm for whom approved, and the identifying mark of the actual manufacturer.
- (e) Vaporizing-liquid type fire extinguishers containing carbon tetrachloride or chlorobromomethane or other toxic vaporizing liquids are not acceptable as equipment required by this subchapter.
- (f) Hand portable or semiportable extinguishers which are required on their name plates to be protected from freezing shall not be located where freezing temperatures may be expected.
- (g) The use of dry chemical, stored pressure, fire extinguishers not fitted with pressure gauges or indicating devices, manufactured prior to January 1, 1965, may be permitted on motorboats and other vessels so long as such extinguishers are maintained in good and serviceable condition. The following maintenance and inspections are required for such extinguishers:
 - (1) When the date on the inspection record tag on the extinguishers shows that 6 months have elapsed since last weight check ashore, then such extinguisher is no longer accepted as meeting required maintenance conditions until reweighed ashore and found to be in a serviceable condition and within required weight conditions.
 - (2) If the weight of the container is $\frac{1}{4}$ ounce less than that stamped on container, it shall be serviced.
 - (3) If the outer seal or seals (which indicate tampering or use when broken) are not intact, the boarding officer or marine inspector will inspect such extinguisher to see that the frangible disc in neck of the container is intact; and if such disc is not intact, the container shall be serviced.
 - (4) If there is evidence of damage, use, or leakage, such as dry chemical powder observed in the nozzle or elsewhere on the extinguisher, the container shall be replaced with a new one and the extinguisher properly serviced or the extinguisher replaced with another approved extinguisher.
- (h) The dry chemical, stored pressure, fire extinguishers without pressure gauges or indicating devices manufactured after January 1, 1965, shall not be labeled with the marine type label bed in Sec.162.028-4 of this title nor shall such extinguishers manufactured after January 1, 1965, be carried on board motorboats or other vessels as required equipment.

[CGFR 65-50, 30 FR 16653, Dec. 30, 1965, as amended by CGFR 68-32, 33 FR 5711, Apr. 12, 1968; CGFR 69-18, 34 FR 5723, Mar. 27, 1969; USCG-2000-6931, 68 FR 22611, Apr. 29, 2003; 69 FR 34068, June 18, 2004]

Sec. 25.30-15 Fixed fire-extinguishing systems.

- (a) When a fixed fire-extinguishing system is installed, it must be a type approved or accepted by the Commandant (G-MSE) or the Commanding Officer, U.S. Coast Guard Marine Safety Center.
- (b) If the system is a carbon-dioxide type, then it must be designed and installed in accordance with subpart 76.15 of part 76 of subchapter H (Passenger Vessels) of this chapter.

[USCG-2000-6931, 69 FR 34069, June 18, 2004]

Sec. 25.30-20 Fire extinguishing equipment required.

- (a) Motorboats. (1) All motorboats shall carry at least the minimum number of hand portable fire extinguishers set forth in Table 25.30-20(a)(1), except that motorboats less than 26 feet in length, propelled by outboard motors and not carrying passengers for hire, need not carry such portable fire extinguishers if the construction of such motorboats will not permit the entrapment of explosive or flammable gases or vapors.

Table 25.30-20(a)(1)

Length, feet	Minimum number of B-1 hand portable fire extinguishers required \1\	
	No fixed fire extinguishing system in machinery space	Fixed fire extinguishing system in machinery space
Under 16.....	1	0
16 and over, but under 26.....	1	0
26 and over, but under 40.....	2	1
40 and over, but not over 65.....	3	2

\1\ One B-11 hand portable fire extinguisher may be substituted for two B-I hand portable fire extinguishers.

- (2) The intent of this regulation is illustrated in Figure 25.30-20(a1) where fire extinguishers are required if any one or more of the specified conditions exist, and in Figure 25.30-20(a2) where specified conditions do not, in themselves, require that fire extinguishers be carried.

Figure 25.30-20(a1)

Fire extinguishers are required if any one or more of the following conditions exist (numbers identifying conditions are the same as those placed in Figure 25.30-20 (a1)):

1. Closed compartment under thwarts and seats wherein portable fuel tanks may be stored.
2. Double bottoms not sealed to the hull or which are not completely filled with flotation material.
3. Close living spaces.
4. Closed stowage compartments in which combustible or flammable materials are stowed.
5. Permanently installed fuel tanks.

Figure 25.30-20(a2)

The following conditions do not, in themselves, require that fire extinguishers be carried (numbers identifying conditions are the same as those placed in Figure 25.30-20(a2)):

1. Bait wells.
 2. Glove compartments.
 3. Buoyant flotation material.
 4. Open slatted flooring.
 5. Ice chests.
- (b) Uninspected passenger vessels of at least 100 gross tons. All uninspected passenger vessels of at least 100 gross tons must carry onboard hand-portable and semi-portable fire extinguishers per Table 76.50-10(a) in Sec. 76.50-10 of this chapter.
- (c) Motor vessels. (1) All motor vessels shall carry at least the minimum number of hand portable fire extinguishers set forth in Table 25.30-20(b) (1).

Table 25.30-20(b)(1)

Gross tonnage--		Minimum number of B-II hand portable fire extinguishers
Over	Not over	
	50	1
50.....	100	2
100.....	500	3
500.....	1,000	6
1,000.....		8

- (2) In addition to the hand portable fire extinguishers required by paragraph (b)(1) of this section, the following fire-extinguishing equipment shall be fitted in the machinery space:
- (i) One Type B-II hand portable fire extinguisher shall be carried for each 1,000 B. H. P. of the main engines or fraction thereof. However, not more than 6 such extinguishers need be carried.
 - (ii) On motor vessels of over 300 gross tons, either one Type B-III semiportable fire-extinguishing system shall be fitted, or alternatively, a fixed fire-extinguishing system shall be fitted in the machinery space.
- (3) The frame or support of each Type B-III fire extinguisher required by paragraph (b)(2)(ii) of this section must be welded or otherwise permanently attached to a bulkhead or deck.
- (4) If an approved semiportable fire extinguisher has wheels and is not required by this section, it must be securely stowed when not in use to prevent it from rolling out of control under heavy sea conditions.
- (d) Barges carrying passengers. (1) Every barge of 65 feet in length or less while carrying passengers when towed or pushed by a motorboat, motor vessel, or steam vessel shall be fitted with hand portable fire extinguishers as required by Table 25.30-20(a)(1), depending upon the length of the barge.

Every barge of over 65 feet in length while carrying passengers when towed or pushed by a motorboat, motor vessel, or steam vessel shall be fitted with hand portable fire extinguishers as required by Table 25.30-20(b)(1), depending upon the gross tonnage of the barge.

1999-5040, 67 FR 34776, May 15, 2002]

Sec. 25.30-90 Vessels contracted for prior to November 19, 1952.

- (a) Vessels contracted for prior to November 19, 1952, shall meet the applicable provisions of Sec. Sec. 25.30-5 through 25.30-20 insofar as the number and general type of equipment is concerned. Existing items of equipment and installations previously approved but not meeting the applicable requirements for type approval may be continued in service so long as they are in good condition. All new installations and replacements shall meet the requirements of Sec. Sec. 25.30-5 through 25.30-20.

[Reserved]