

TABLE 193.50-10(a)—HAND PORTABLE FIRE EXTINGUISHER AND SEMI-PORTABLE FIRE EXTINGUISHING SYSTEMS—Continued

Space	Classification (see § 193.50-5)	Quantity and location
<i>Scientific spaces</i>		
Chemistry laboratory or scientific laboratory	C-II	1 dry chemical and 1 carbon dioxide for each 300 square feet or fraction thereof, with one (1) of each kind located in the vicinity of the exit.
Chemical storeroom	C-II	Same as for the chemistry laboratory.

¹ Two B-I hand portable fire extinguishers may be substituted for 1 B-II.
² For vessels on an international voyage, substitute 1 C-II in vicinity of exit.
³ Vessels of less than 1,000 gross tons require 1.
⁴ Vessels of less than 1,000 gross tons may substitute 1 B-IV.
⁵ Only 1 required for motorboats.
⁶ If oil burning donkey boiler fitted in space, the B-V previously required for the protection of the boiler may be substituted. Not required where a fixed carbon dioxide system is installed.
⁷ Not required on vessels of less than 300 gross tons if fuel has a flash-point higher than 110 °F.
⁸ Not required on vessels of less than 300 gross tons.

(d) Hand portable fire extinguishers and their stations shall be numbered in accordance with §196.37-15 of this subchapter.

(e) Hand portable or semiportable extinguishers, which are required on their nameplates to be protected from freezing, shall not be located where freezing temperatures may be expected.

§ 193.50-15 Spare charges.

(a) For all vessels spare charges shall be carried for at least 50 percent of each size and each variety, *i.e.*, foam, soda-acid, carbon dioxide, etc., of hand portable fire extinguishers required by §193.50-10(a). However, if the unit is of such variety that it cannot be readily recharged by the vessel's personnel, one spare unit of the same classification shall be carried in lieu of spare charges for all such units of the same size and variety.

(b) Spare charges shall be so packaged as to minimize the hazards to personnel while recharging the units. Acid shall be contained in a Crown stopper type of bottle.

§ 193.50-20 Semiportable fire extinguishers.

(a) The frame or support of each size III, IV, and V fire extinguisher required by Table 193.50-10(a) must be welded or otherwise permanently attached to a bulkhead or deck.

(b) If an approved size III, IV, or V fire extinguisher has wheels and is not required by Table 193.50-10(a), it must be securely stowed when not in use to

prevent it from rolling out of control under heavy sea conditions.

[CGD 77-039, 44 FR 34133, June 14, 1979]

§ 193.50-90 Vessels contracted for prior to March 1, 1968.

(a) Vessels contracted for prior to March 1, 1968, shall meet the following requirements:

(1) Except as specifically modified by this paragraph, the requirements of §§193.50-5 through 193.50-15 shall be complied with insofar as the number and general type of equipment is concerned.

(2) Existing installations previously approved, but not meeting the applicable requirements of §§193.50-5 through 193.50-15 may be continued in service so long as they are maintained in good condition to the satisfaction of the Officer in Charge, Marine Inspection, and they are in general agreement with the degree of safety prescribed by Table 193.50-10(a). Minor modifications may be made to the same standard as the original installation: *Provided*, That in no case will a greater departure from the standards of Table 193.50-10(a) be permitted than presently exists.

(3) All new equipment and installations shall meet the applicable requirements in this subpart for new vessels.

Subpart 193.60—Fire Axes

§ 193.60-1 Application.

(a) The provisions of this subpart shall apply to all vessels other than unmanned barges.

Coast Guard, DHS

Pt. 194

(b) Unmanned barges are exempted from the requirements in this subpart. However, if such barges carry on board fire axes, then such equipment shall be in accordance with this subpart for manned barges.

§ 193.60-5 Number required.

(a) All vessels shall carry at least the minimum number of fire axes as set forth in Table 193.60-5(a). Nothing in this paragraph shall be construed as limiting the Officer in Charge, Marine Inspection, from requiring such additional fire axes as he deems necessary for the proper protection of the vessel.

TABLE 193.60-5(a)

Gross tons		Number of axes
Over	Not over	
.....	50	1
50	200	2
200	500	4
500	1,000	6
1,000	8

§ 193.60-10 Location.

(a) Fire axes shall be distributed throughout the spaces available to persons on board so as to be most readily available in the event of emergency.

(b) If fire axes are not located in the open, or behind glass, so that they may be readily seen, they may be placed in enclosures together with the firehose, provided such enclosures are marked as required by §196.37-15 of this subchapter.

PART 194—HANDLING, USE, AND CONTROL OF EXPLOSIVES AND OTHER HAZARDOUS MATERIALS

Subpart 194.01—Application

Sec.
194.01-1 General.

Subpart 194.05—Stowage and Marking

194.05-1 General.
194.05-3 Chemical stores.
194.05-5 Chemicals in the chemistry laboratory.
194.05-7 Explosives—Detail requirements.
194.05-9 Flammable liquid chemical stores—Detail requirements.
194.05-11 Flammable solids and oxidizing materials—Detail requirements.

194.05-13 Corrosive liquids as chemical stores—Detail requirements.
194.05-15 Compressed gases as chemical stores—Detail requirements.
194.05-17 Poisonous articles as chemical stores—Detail requirements.
194.05-19 Combustible liquids as chemical stores—Detail requirements.
194.05-21 Other regulated materials.

Subpart 194.10—Magazines

194.10-1 Application.
194.10-5 Type and location.
194.10-10 Integral magazine construction.
194.10-15 Magazine van construction.
194.10-20 Magazine chest construction.
194.10-25 Ventilation.
194.10-30 Magazine sprinklers.
194.10-35 Labeling.

Subpart 194.15—Chemistry Laboratory and Scientific Laboratory

194.15-1 General.
194.15-3 Responsibility.
194.15-5 Ventilation.
194.15-7 Fire protection.
194.15-9 Storage.
194.15-11 Flushing systems.
194.15-15 Chemicals other than compressed gases.
194.15-17 Compressed gases other than inert gases.
194.15-19 Electrical.

Subpart 194.20—Chemical Stores and/or Storerooms

194.20-1 General.
194.20-3 Responsibility.
194.20-5 Ventilation.
194.20-7 Fire protection.
194.20-9 Storage.
194.20-11 Flushing systems.
194.20-15 Chemical stores other than compressed gases.
194.20-17 Compressed gases.
194.20-19 Piping and electrical requirements.

Subpart 194.90—Vessels Contracted for Prior to March 1, 1968

194.90-1 Requirements.

AUTHORITY: 46 U.S.C. 2103, 2113, 3306; 49 U.S.C. App. 1804; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 277; Department of Homeland Security Delegation No. 0170.1.

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