

is increased by the required capacity of the system, so that this system may be operated simultaneously with the fire main system.

§ 34.25-10 Controls—T/ALL.

(a) There shall be one control valve for the operation of the system located in an accessible position outside the space protected. The control shall be located as convenient as practicable to one of the main escapes from the space protected, and shall be marked as required by § 35.40-18 of this subchapter. It shall not be necessary to start the pumps from the control space.

(b) Complete, but simple instructions for the operation of the system shall be located in a conspicuous place at or near the controls.

(c) The valve to the space protected shall be marked as required by § 35.40-18 of this subchapter.

§ 34.25-15 Piping—T/ALL.

(a) All piping, valves and fittings shall meet the applicable requirements of subchapter F (Marine Engineering) of this chapter.

(b) Distribution piping shall be of materials resistant to corrosion, except that steel or iron pipe may be used if inside corrosion resistant coatings which will not flake off and clog the nozzles are applied. Materials readily rendered ineffective by heat of a fire shall not be used. The piping shall be subject to approval for each installation.

(c) All piping, valves, and fittings shall be securely supported, and where necessary, protected against injury.

(d) Drains, strainers, and dirt traps shall be fitted where necessary to prevent the accumulation of dirt or moisture.

(e) Threaded joints shall be metal to metal, with no thread compound used.

(f) Distribution piping shall be used for no other purpose.

(g) All piping shall be thoroughly cleaned and flushed before installation of the water spray nozzles.

§ 34.25-20 Spray nozzles—T/ALL.

(a) Spray nozzles shall be of an approved type.

§ 34.25-90 Installations contracted for prior to January 1, 1964—T/ALL.

(a) Installations contracted for prior to January 1, 1964, shall meet the following requirements:

(1) Existing arrangements, materials, and facilities previously approved shall be considered satisfactory so long as they meet the minimum requirements of this paragraph and they are maintained in good condition to the satisfaction of the Officer in Charge, Marine Inspection. Minor repairs and alterations may be made to the same standards as the original installation.

(2) The details of the systems shall be in general agreement with §§ 34.25-5 through 34.25-20 insofar as is reasonable and practicable.

Subpart 34.30—Automatic Sprinkler Systems, Details

§ 34.30-1 Application—TB/ALL.

Automatic sprinkler systems shall comply with NFPA 13-1996.

[CGD 95-028, 62 FR 51199, Sept. 30, 1997]

Subpart 34.50—Portable and Semiportable Extinguishers

§ 34.50-1 Application—TB/ALL.

(a) The provisions of this subpart, with the exception of § 34.50-90, shall apply to all vessels contracted for on or after January 1, 1962.

(b) All vessels contracted for prior to January 1, 1962, shall meet the requirements of § 34.50-90.

§ 34.50-5 Classification—TB/ALL.

(a) Portable and semiportable extinguishers shall be 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) The types of fire will be designated as follows:

(1) "A" for fires in ordinary combustible materials such as mattresses, piles of wood, shavings, canvas, etc., where the quenching and cooling effects of quantities of water, or solutions containing large percentages of water, are of first importance.

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(2) "B" for fires in combustible or flammable liquids such as gasoline, lubricating oil, diesel oil, greases, etc., where a blanketing or smothering effect is essential.

(3) "C" for fires in electrical equipment where the use of non-conducting extinguishing agent is of first importance so that electrical shock is not experienced by the firefighter.

(c) The number designations for size will start with "I" for the smallest to "V" for the largest. Extinguishers which have a gross weight of 55 pounds or less when fully charged are considered portable. Extinguishers which have a gross weight of more than 55 pounds when fully charged are considered semiportable and shall be fitted with suitable hose and nozzle or other practicable means so that all portions of the space concerned may be reached. Examples of size graduations for some of the typical portable and semiportable extinguishers are set forth in Table 34.50-5(c).

TABLE 34.50-5(c)

Classification type (Size)	Soda-acid and water (Gallons)	Foam (Gallons)	Carbon dioxide (Pounds)	Dry chemical (Pounds)
A-II	2½	2½
B-I	1¼	4	2
B-II	2½	15	10
B-III	12	35	20
B-IV	20	50	30
B-V	40	100	50
C-I	4	2
CC-II	15	10

¹ For outside use, double the amount shall be carried.

TABLE 34.50-10(a)—PORTABLE AND SEMI-PORTABLE EXTINGUISHERS

Tank ships		Area	Tank barges	
Quantity and location	Classification (see § 34.50-5)		Classification (see § 34.50-5)	Quantity and location
<i>Safety Areas</i>				
1 required	C-II	Wheelhouse and chartroom area.	None required.
1 required in vicinity of exit	C-II ¹	Radio room	None required.
<i>Accommodation Areas</i>				
1 required in each main passageway on each deck, conveniently located, and so that no room is more than 75 feet from an extinguisher.	A-II or B-II	Staterooms, toilet spaces, public spaces, offices, etc., and associated lockers, storerooms, and pantries..	A-II or B-II	1 required in vicinity of exit

§ 34.50-10 Location—TB/ALL.

(a) Approved portable and semi-portable extinguishers shall be installed in accordance with Table 34.50-10(a). The location of the equipment shall be such as in the opinion of the Officer in Charge, Marine Inspection, will be most convenient in case of emergency. Where special circumstances exist, not covered by Table 34.50-10(a), the Officer in Charge, Marine Inspection, may require such additional equipment as he deems necessary for the proper protection of the vessel.

(b) For additional portable extinguishers as a substitute for sand, see § 34.55-10.

(c) Semiportable extinguishers shall be located in the open so as to be readily seen.

(d) If portable extinguishers 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 fire hose, provided such enclosures are marked as required by § 35.40-25 of this subchapter.

(e) Portable extinguishers and their stations shall be numbered in accordance with § 35.40-25 of this subchapter.

(f) 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.