

§ 95.01-5

*American Society for Testing and Materials
(ASTM)*

100 Barr Harbor Drive, West Conshohocken,
PA 19428-2959.

ASTM F 1121-87 (1993), Standard Specifica-
tion for International Shore Connections
for Marine Fire Applications—95.10-10

National Fire Protection Association (NFPA)

1 Batterymarch Park, Quincy, MA 02269-9101.
NFPA 13-1996, Standard for the Installation
of Sprinkler Systems—95.30-1

[CGD 88-032, 56 FR 35825, July 29, 1991, as
amended by CGD 95-072, 60 FR 50464, Sept. 29,
1995; CGD 96-041, 61 FR 50729, Sept. 27, 1996;
CGD 97-057, 62 FR 51045, Sept. 30, 1997; CGD
95-028, 62 FR 51206, Sept. 30, 1997; USCG 1999-
5151, 64 FR 67181, Dec. 1, 1999]

§ 95.01-5 Equipment installed but not required.

(a) Where fire detecting or extin-
guishing systems or equipment are not
required, but are installed, the system
or equipment and its installation shall
meet the requirements of this part.

Subpart 95.05—Fire Detecting and Extinguishing Equipment, Where Required

§ 95.05-1 Fire detecting, manual alarm, and supervised patrol systems.

(a) Fire detecting, manual alarm, and
supervised patrol systems are not re-
quired except in special cases; but if in-
stalled, the systems shall meet the ap-
plicable requirements of part 76 of sub-
chapter H (Passenger Vessels) of this
chapter.

(b) In each compartment containing
explosives, and in adjacent cargo com-
partments, there shall be provided a
smoke detecting or other suitable type
fire detecting system.

(c) Enclosed spaces which are “spe-
cially suitable for vehicles” shall be
fitted with an approved fire or smoke
detecting system.

[CGFR 66-33, 31 FR 15285, Dec. 6, 1966]

§ 95.05-5 Fire main system.

(a) Fire pumps, hydrants, hose, and
nozzles shall be installed on the fol-
lowing vessels:

- (1) On all self-propelled vessels.
- (2) On all barges with sleeping accom-
modations for more than 12 persons.

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(b) The arrangements and details of
the fire main system shall be as set
forth in subpart 95.10.

§ 95.05-10 Fixed fire extinguishing sys- tems.

(a) Approved fire extinguishing sys-
tems may be used or required in loca-
tions delineated in this section on the
following vessels. Previously approved
installations may be retained as long
as they are maintained in good condi-
tion to the satisfaction of the Officer in
Charge, Marine Inspection.

(1) On all self-propelled vessels other
than yachts and fishing vessels.

(2) On all barges with sleeping accom-
modations for more than 12 persons.

(b) A fixed carbon dioxide or other
approved system must be installed in
all cargo compartments and tanks for
combustible cargo, except for vessels
engaged exclusively in the carriage of
coal or grain in bulk. For cargo com-
partments and tanks fitted with a fixed
carbon dioxide or other approved sys-
tem a deck foam system is not re-
quired, instead of the carbon dioxide
system or other approved system, the
following systems may be used or re-
quired in special cases:

(1) A fixed foam system may be used
in cargo tanks.

(2) A water sprinkling system may be
required, and the details of such sys-
tem will be subject to special approval,
in cases where a cargo is normally ac-
cessible and is considered to be a part
of the working or living quarters.

(3) Spaces “specially suitable for ve-
hicles” must be fitted with an approved
carbon dioxide system. Alternately,
the Commandant may permit the in-
stallation of an approved water sprin-
kler system or other suitable system.

(c) On vessels other than motorboats,
a fixed carbon dioxide or other ap-
proved system must be installed in all
lamp and paint lockers, oil rooms, and
similar spaces.

(d) On vessels of 1,000 gross tons and
over, contracted for on or after Novem-
ber 19, 1952, or where conversion from
coal to oil is contracted for on or after
November 19, 1952, a fixed carbon diox-
ide, foam, or water spray system shall
be installed in all spaces containing oil
fired boilers, either main or auxiliary,

or their fuel oil units, valves, or manifolds in the line between the settling tanks and the boilers.

(e) Fire extinguishing systems shall be provided for internal combustion installations in accordance with the following:

(1) If a fixed fire-extinguishing system is installed to protect an internal combustion propelling machinery installation, the system shall be of the carbon dioxide type.

(2) On vessels of 1,000 gross tons and over on an international voyage, the construction or conversion of which is contracted for on or after May 26, 1965, a fixed carbon dioxide system shall be installed in all spaces containing internal combustion or gas turbine main propulsion machinery, auxiliaries with an aggregate power of 1,000 b. hp. or greater, or their fuel oil units, including purifiers, valves, and manifolds.

(3) On vessels, the construction, conversion or automation of which is contracted for on or after July 1, 1968, the systems shall be in accordance with the following:

(i) A fixed carbon dioxide system shall be installed in any space containing machinery using fuel having a flashpoint of less than 110° F.

(ii) On vessels of 1,000 gross tons and over, a fixed carbon dioxide system shall be installed in all spaces containing internal combustion or gas turbine main propulsion machinery, auxiliaries with an aggregate power of 1,000 b. hp. or greater, or their fuel oil units, including purifiers, valves, and manifolds.

(f) On vessels contracted for on or after November 19, 1952, where an enclosed ventilating system is installed for electric propulsion motors or generators, a fixed carbon dioxide extinguishing system shall be installed in such system.

[CGFR 65-50, 30 FR 17001, Dec. 30, 1965, as amended by CGFR 66-33, 31 FR 15285, Dec. 6, 1966; CGFR 67-90, 33 FR 1016, Jan. 26, 1968; CGD 95-027, 61 FR 26006, May 23, 1996]

§ 95.05-15 Hand portable fire extinguishers and semiportable fire extinguishing systems.

(a) Approved hand portable fire extinguishers and semiportable fire extinguishing systems shall be installed on

all vessels, other than unmanned barges and fishing vessels, as set forth in subpart 95.50.

Subpart 95.10—Fire Main System, Details

§ 95.10-1 Application.

(a) The provisions of this subpart, with the exception of § 95.10-90, shall apply to all fire main installations contracted for on or after May 26, 1965. Installations contracted for prior to May 26, 1965, shall meet the requirements of § 95.10-90.

§ 95.10-5 Fire pumps.

(a) Vessels shall be equipped with independently driven fire pumps in accordance with Table 95.10-5(a).

TABLE 95.10-5(a)

Gross tons		Minimum number of pumps	Hose and hydrant size, inches	Nozzle orifice size, inches	Length of hose feet
Over	Not over				
	100	1	1 1/2	1 1/2	150
100	1,000	1	1 1/2	5/8	50
1,000	1,500	2	1 1/2	5/8	50
1,500	2	2 1/2	2 7/8	250

¹On vessels of 65 feet in length or less, 3/4-inch hose of good commercial grade together with a commercial garden hose nozzle may be used. The pump may be hand operated and the length of hose shall be sufficient to assure coverage of all parts of the vessel.

²75 feet of 1 1/2-inch hose and 5/8-inch nozzle may be used where specified by § 95.10-10(b) for interior locations and 50 feet of 1 1/2-inch hose may be used in exterior locations on vessels in other than ocean or coastwise service.

(b) On vessels of 1,000 gross tons and over on an international voyage, each required fire pump, while delivering water thru the fire main system at a pressure corresponding to that required by paragraph (c) of this section, shall have a minimum capacity of at least two-thirds of that required for an independent bilge pump. However, in no case shall the capacity of each fire pump be less than that otherwise required by this section.

(c) Each pump shall be capable of delivering water simultaneously from the two highest outlets at a Pitot tube pressure of approximately 50 p.s.i. Where 1 1/2-inch hose is permitted in lieu of 2 1/2-inch hose by footnote 2 of Table 95.10-5(a), the pump capacity shall be determined on the same basis as if 2 1/2-inch hose had been permitted. Where 3/4-inch hose is permitted by Table