

§ 149.406

33 CFR Ch. I (7-1-05 Edition)

§ 149.406 What are the approval requirements for a fire extinguisher?

All portable and semi-portable fire extinguishers must be of an approved type under 46 CFR part 162, subparts 162.028 and 162.039, respectively.

§ 149.407 Must fire extinguishers be on the deepwater port at all times?

(a) On a manned deepwater port, the fire extinguishers required by 149.409 to this subpart must be on the deepwater port at all times.

(b) On an unmanned deepwater port, the fire extinguishers required by 149.409 to this part need be on the deep-

water port only when personnel are working on the deepwater port during cargo transfer operations or performing maintenance duties.

§ 149.408 What are the maintenance requirements for a fire extinguisher?

All fire extinguishers must be maintained in good working order and serviced annually in accordance with 46 CFR 107.235.

§ 149.409 How many fire extinguishers are needed?

Each particular location must have the number of fire extinguishers required by table 149.409.

TABLE 149.409—PORTABLE AND SEMI-PORTABLE EXTINGUISHERS, MINIMUM QUANTITY AND LOCATION

Space	Classification	Minimum quantity and location
(a) Safety Areas:		
(1) Communicating corridors	A-II	One in each main corridor or stairway not more than 150 feet apart.
(2) Radio room	C-II	One outside of or near each radio room exit.
(b) Accommodation Spaces: (1) Sleeping quarters.	A-II	One in each sleeping space for more than four persons.
(c) Service Spaces:		
(1) Galleys	B-II or CII	One for each 2,500 square feet or fraction thereof for hazards involved.
(2) Storerooms	A-II	One for each 2,500 square feet or fraction thereof located near each exit, either inside or outside of the space.
(3) Paint room	B-II	One outside each paint room exit.
(d) Machinery Spaces:		
(1) Gas-fired boilers	B-II OR C-II	Two.
(2) Gas-fired boilers	B-V	One. ¹
(3) Oil-fired boilers	B-II	Two.
(4) Oil-fired boilers	B-V	Two. ¹
(5) Internal combustion or gas turbine engines.	B-II	One for each engine. ²
(6) Electric motors and generators, both of the open type.	C-II	One for each two motors or generators. ³
(e) Helicopter Areas:		
(1) Helicopter landing decks	B-V	One at each access route.
(2) Helicopter fueling facility	B-V	One at each fuel transfer facility. ⁴

¹ Not required if a fixed system is installed.
² If the engine is installed on a weather deck or is open to the atmosphere at all times, one B-II may be used for every three engines.
³ Small electrical appliances, such as fans, are exempt.
⁴ Not required if a fixed foam system is installed in accordance with paragraph of this part.

§ 149.410 Where must a portable or semi-portable fire extinguisher be located?

All portable and semi-portable fire extinguishers under table 149.409 must be located in the open so as to be readily seen.

§ 149.411 What are the requirements for fireman's outfits?

(a) Each manned deepwater port with nine or more persons must have at least two fireman's outfits complying with 46 CFR 108.497.

(b) The person in charge of safety must ensure that:

(1) At least two people trained in the use of fireman's outfits are on the deepwater port at all times;

(2) Each fireman's outfit and its spare equipment are stowed together in a readily accessible container or locker; that no more than one outfit is stowed in the same container or locker and that the two containers or lockers are located in separate areas to ensure that at least one is available at all times in the event of a fire; and

(3) Fireman's outfits are not used for any purpose other than firefighting.

§ 149.412 How many fire axes are needed?

Each manned deepwater port must have at least two fire axes per 46 CFR 108.499.

§ 149.413 On a manned deepwater port, what spaces require a fixed fire-extinguishing system?

The manned deepwater port spaces or systems listed in paragraphs (a) through (c) of this section must be protected by an approved fixed-gaseous, or other approved fixed-type, extinguishing system.

(a) Paint lockers of capacity in excess of 200 cubic feet and similar spaces containing flammable liquids.

(b) Galley range or deep fat fryer.

(c) Each enclosed space containing internal combustion or gas turbine machinery, with an aggregate power of more than 1,000 B.H.P., and any associated fuel oil units, purifiers, valves, or manifolds.

§ 149.414 What are the requirements for a fire-detection and alarm system?

(a) All accommodation and service spaces, on a manned deepwater port, and all spaces or systems of a deepwater port that process, store, transfer, and re-gasify liquefied natural gas, must have an automatic fire-detection and alarm system. The system must either comply with 46 CFR 108.405 or be designed and installed in compliance with a national consensus standard, as that term is defined in 29 CFR 1910.2, for fire-detection and fire alarm systems, and that complies with standards set by a nationally recognized testing laboratory, as that term is defined in 29 CFR 1910.7, for such systems or hardware.

(b) Sleeping quarters must be fitted with smoke detectors that have local alarms and that may, or may not, be connected to the central alarm panel.

(c) Each fire-detection and fire alarm system must have a visual alarm and an audible alarm at a normally manned area.

(d) Each fire-detection and fire alarm system must be divided into zones to limit the area covered by a particular alarm signal.

§ 149.415 What are the requirements for a fire-main system on a manned deepwater port?

(a) Each pumping platform complex must have a fixed fire-main system. The system must either:

(1) Comply with 46 CFR 108.415 through 108.429; or

(2) Comply with a national consensus standard, as that term is defined in 29 CFR 1910.2, for such systems and hardware and comply with the standards set by a nationally recognized testing laboratory, as that term is defined in 29 CFR 1910.7, for such systems and hardware.

(b) If the fire-main system meets the requirements outlined in paragraph (a)(2) of this section, it must provide, at a minimum, protection to:

- (1) Accommodation spaces;
- (2) Accommodation modules;
- (3) Control spaces; and

(4) Other areas frequented by port personnel. The hose system must be capable of reaching all parts of these spaces without difficulty.

(c) The fire-main system, under paragraph (a)(2) of this section, may be part of a firewater system in accordance with 30 CFR 250.803.

(d) A fire-main system for a natural gas deepwater port must also comply with 33 CFR 127.607.

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§ 149.416 What are the requirements for fire pumps?

(a) Each manned deepwater port must have at least two independently driven fire pumps. Each pump must be able to simultaneously deliver two streams of water at a pitot tube pressure of at least 50 p.s.i./345 k.p.a (75