

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

Space	Classification	Minimum quantity and location
(6) Open electric motors and generators.	C-II	One for each of 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 46 CFR 108.489.

§ 149.410 Where must portable and semi-portable fire extinguishers be located?

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

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

(a) Each manned deepwater port with nine or more persons must have at least two firemen'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 firemen'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. No more than one outfit shall be stowed in the same container or locker. The two containers or lockers must be located in separate areas to ensure that at least one is available at all times in the event of a fire; and

(3) Firemen'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 as required by 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 pro-

tected by an approved fixed gaseous or other approved fixed-type extinguishing system.

(a) Paint lockers with a carrying capacity of more than 200 cubic feet, and similar spaces containing flammable liquids.

(b) Galley ranges or deep fat fryers.

(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 on a manned or unmanned deepwater port for processing, storing, transferring, or regasifying liquefied natural gas, must have an automatic fire detection and alarm system that:

(1) Either complies with 46 CFR 108.405 or

(2) Is 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 both a visual alarm

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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 and 33 CFR 127.607 if it is a natural gas deepwater port; 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.

(c) The hose system must be capable of reaching all parts of these spaces without difficulty.

(d) Under paragraph (a)(2) of this section, the fire main system may be part of a fire water system in accordance with 30 CFR 250.803.

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

§ 149.416 What are the requirements for a dry chemical fire suppression system?

Each natural gas deepwater port must be equipped with a dry chemical system that meets the requirements of § 127.609 of this chapter.

§ 149.417 What firefighting equipment must a helicopter landing deck on a manned deepwater port have?

Each helicopter landing deck on a manned deepwater port must have the following:

(a) A fire hydrant and hose located near each stairway to the landing deck.

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If the landing deck has more than two stairways, only two stairways need to have a fire hydrant and hose. The fire hydrants must be part of the fire main system; and

(b) Portable fire extinguishers in the quantity and location as required in table 149.409.

§ 149.418 What fire protection system must a helicopter fueling facility have?

In addition to the portable fire extinguishers required under table 149.409, each helicopter fueling facility must have a fire protection system complying with 46 CFR 108.489.

§ 149.419 Can the water supply for the helicopter deck fire protection system be part of a fire water system?

(a) The water supply for the helicopter deck fire protection system required under § 149.420 or § 149.421 may be part of:

(1) The fire water system, installed in accordance with Mineral Management Service regulations under 30 CFR 250.803; or

(2) The fire main system under § 149.415.

(b) If the water supply for the helicopter deck fire protection system is part of an independent accommodation fire main system, the piping design and hardware must be compatible with the system and must comply with the requirements for fire mains in 46 CFR 108.415 through 108.429.

§ 149.420 What are the fire protection requirements for escape routes?

At least one escape route from an accommodation space or module to a survival craft or other means of evacuation must provide adequate protection. Separation of the escape route from the cargo area by steel construction, in accordance with 46 CFR 108.133, or equivalent protection is considered adequate protection for personnel escaping from fires and explosions. Additional requirements for escape routes are in subpart F of this part.