

(2) Be capable of manual actuation from outside the space in addition to automatic actuation by a heat detector;

(3) Automatically shut down all power ventilation systems and all engines that draw intake air from within the protected space; and

(4) Be installed in accordance with the manufacturer's instructions.

(b) A vessel on which a pre-engineered fixed gas fire extinguishing system is installed must have the following equipment at the operating station:

(1) A light to indicate discharge;

(2) An audible alarm that sounds upon discharge; and

(3) A means to reset devices used to automatically shut down ventilation systems and engines as required by paragraph (a)(3) of this section.

(c) Only one pre-engineered fixed gas fire extinguishing system is allowed to be installed in each space protected by such a system.

**§ 181.425 Galley hood fire extinguishing systems.**

(a) A grease extraction hood required by §181.400 must meet UL 710 "Exhaust Hoods for Commercial Cooking Equipment," or other standard specified by the Commandant.

(b) A grease extraction hood must be equipped with a dry or wet chemical fire extinguishing system meeting the

applicable sections of NFPA 17 "Dry Chemical Extinguishing Systems," 17A "Wet Chemical Extinguishing Systems," or other standard specified by the Commandant, and must be listed by an independent laboratory recognized by the Commandant.

**§ 181.450 Independent modular smoke detecting units.**

(a) An independent modular smoke detecting unit must:

(1) Meet UL Standard 217 and be listed as a "Single Station Smoke detector—Also suitable for use in Recreational Vehicles," or other standard specified by the Commandant;

(2) Contain an independent power source; and

(3) Alarm on low power.

(b) [Reserved]

**Subpart E—Portable Fire Extinguishers**

**§ 181.500 Required number, type, and location.**

(a) Each portable fire extinguisher on a vessel must be of an approved type. The minimum number of portable fire extinguishers required on a vessel must be acceptable to the cognizant OCMI, but must be not less than the minimum number required by Table 181.500(a) and other provisions of this section.

TABLE 181.500(a)

Space protected	Minimum No. required	Type extinguisher permitted		
		CG class	Medium	Min size
Operating Station .....	1 .....	B-I, C-I .....	Halon .....	1.1 kg (2.5 lb).
			CO2 .....	1.8kg (4 lb).
			Dry Chemical .....	0.9 kg (2 lb).
			CO2 .....	6.8 kg (15 lb).
Machinery Space .....	1 .....	B-II, C-II located just outside exit.	Dry chemical .....	4.5 kg (10 lb).
			Foam .....	9.5 L (2.5 gal).
Open Vehicle Deck ...	1 for every 10 vehicles.	B-II .....	Halon .....	4.5 kg (10 lb).
			CO2 .....	6.8 kg (15 lb).
			Dry Chemical .....	4.5 kg (10 lb).
			Foam .....	9.5 L (2.5 gal).
			Dry Chemical .....	4.5 kg (10 lb).
Accommodation Space	1 for each 232.3 square meters (2,500 square feet) or fraction thereof.	A-II .....	Foam .....	9.5 L (2.5 gal).
			Dry Chemical .....	4.5 kg (10 lb).
Galley, Pantry, Concession Stand.	1 .....	A-II, B-II .....	Foam .....	9.5 L (2.5 gal).
			Dry Chemical .....	4.5 kg (10 lb).