

PART 181—FIRE PROTECTION EQUIPMENT

Subpart A—General Provisions

Sec.

- 181.115 Applicability to existing vessels.
181.120 Equipment installed but not required.

Subpart B [Reserved]

Subpart C—Fire Main System

- 181.300 Fire pumps.
181.310 Fire main and hydrants.
181.320 Fire hoses and nozzles.

Subpart D—Fixed Fire Extinguishing and Detecting Systems

- 181.400 Where required.
181.410 Fixed gas fire extinguishing systems.
181.420 Pre-engineered fixed gas fire extinguishing systems.
181.425 Galley hood fire extinguishing systems.
181.450 Independent modular smoke detecting units.

Subpart E—Portable Fire Extinguishers

- 181.500 Required number, type, and location.
181.520 Installation and location.

Subpart F—Additional Equipment

- 181.600 Fire axe.
181.610 Fire bucket.

AUTHORITY: 46 U.S.C. 2103, 3306; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 277; 49 CFR 1.46.

SOURCE: CGD 85-080, 61 FR 982, Jan. 10, 1996, unless otherwise noted.

Subpart A—General Provisions

§ 181.115 Applicability to existing vessels.

(a) Except as otherwise required by paragraphs (b) and (c) of this section, an existing vessel must comply with the fire protection equipment regulations applicable to the vessel on March 10, 1996, or, as an alternative, the vessel may comply with the regulations in this part.

(b) An existing vessel with a hull, or a machinery space boundary bulkhead or deck, composed of wood or fiber reinforced plastic, or sheathed on the interior in fiber reinforced plastic, must

comply with the requirements of § 181.400 of this part on or before March 11, 1999.

(c) New installations of fire protection equipment on an existing vessel, which are completed to the satisfaction of the cognizant Officer in Charge, Marine Inspection (OCMI) on or after March 11, 1996, must comply with the regulations of this part. Replacement of existing equipment installed on the vessel prior to March 11, 1996, need not comply with the regulations in this part.

§ 181.120 Equipment installed but not required.

Fire extinguishing and detecting equipment installed on a vessel in excess of the requirements of §§ 181.400 and 181.500 must be designed, constructed, installed and maintained in accordance with a recognized industry standard acceptable to the Commandant.

Subpart B [Reserved]

Subpart C—Fire Main System

§ 181.300 Fire pumps.

(a) A self priming, power driven fire pump must be installed on each vessel:

- (i) Of not more than 19.8 meters (65 feet) in length which is a ferry vessel;
- (ii) Of not more than 19.8 meters (65 feet) in length that carries more than 49 passengers; or
- (iii) Of more than 19.8 meters (65 feet) in length.

(b) On a vessel of not more than 19.8 meters (65 feet) in length carrying more than 49 passengers, and on a vessel of more than 19.8 meters (65 feet) in length, the minimum capacity of the fire pump must be 189 liters (50 gallons) per minute at a pressure of not less than 414 kPa (60 psi) at the pump outlet. The pump outlet must be fitted with a pressure gauge.

(c) On a ferry vessel of not more than 19.8 meters (65 feet) in length carrying not more than 49 passengers, the minimum capacity of the fire pump must be 38 liters (10 gallons) per minute. The fire pump must be capable of projecting a hose stream from the highest hydrant, through the hose and nozzle