

sub-clause (1) of this clause shall be additional to any electrically operated alarm signal actuated from the navigating bridge or control station, unless the electrically operated system can also be actuated from manually operated call points suitably located throughout the accommodation spaces.

(3) The alarm bells required to be provided in compliance with sub-clause (1) of this clause shall be permanently secured to the ship's structure and shall be clearly labelled.

(6) In every new Ship of Class VIII of 45 m in length or less but not less than 24 m which is constructed of combustible materials or where in the opinion of the Chief Surveyor a fire hazard exists due to an appreciable amount of combustible material used in the construction of the accommodation spaces, service spaces and control stations, and having regard to the size of these spaces, their arrangement and location relative to control stations and where applicable, the flame spread characteristics of the installed furniture, there shall be installed a fixed fire alarm and fire detection system complying with the Performance Standard referred to in clause 29 of the general code.

25. Fire pumps—(1) Every ship of Class VII, VIIA or VIII with a gross tonnage of less than 150 and of 24m in length or over shall be provided with at least 1 power-operated fire pump, which shall be capable of delivering at least 1 jet of water from any fire hydrant, hose, or nozzle provided in the ship and shall comply with the requirements of clause 16(8) of the General Code.

(2) Every ship of Class VII, VIIA or VIII with a gross tonnage of less than 150 and of less than 24m in length shall be provided with at least 1 power-operated fire pump, which may be operated by the main engine and shall be capable of delivering a jet of water having a throw of at least 6m from any fire hydrant, hose or nozzle provided in the ship.

(3) Where, in any ship of Class VII, VIIA or VIII with a gross tonnage of less than 150 the fire pump provided in compliance with the requirements of subclause (1) or subclause (2) of this clause is situated in the machinery space, there shall be provided in addition 3 fire buckets.

26. Fire main, water-service pipes, hydrants, hoses and nozzles—(1) Every ship of Class VII, VIIA or VIII with a gross tonnage of less than 150 shall be provided with water-service pipes and hydrants complying with the provisions of clause 17 of the General Code and with fire hoses and nozzles complying with the provision of clause 18 of the General Code.

(2) In every ship of Class VII, VIIA or VIII the arrangement of water-service pipes and the number and position of fire hydrants shall be such that:

(a) At least 1 jet of water having a throw of at least 6m can reach any part of the ship normally accessible to passengers or crew while the ship is being navigated and any store room and any part of any cargo space when empty; and

(b) Every space containing oil-fired boilers or propelling machinery of internal-combustion type shall be provided with 1 fire hydrant.

Provided that in any such ship of less than 24m in length a hydrant need not be provided in any such space, if, in the opinion of the Chief Surveyor water can be effectively directed into that space from a hydrant located outside the space.

(3) Every ship of Class VII, VIIA or VIII with a gross tonnage of less than 150 shall be provided with:

(a) 1 hose and 1 dual-purpose nozzle for every hydrant fitted in spaces containing oil-fired boilers or internal-combustion type machinery; and

(b) At least 1 other hose and 1 dual-purpose nozzle.

27. Portable fire extinguishers—(1) Every ship of Class VII, VIIA or VIII with a gross tonnage of less than 150 and of 24m in length or over shall be provided with:

(a) At least 3 portable fire extinguishers, so situated as to be

readily available for use in the accommodation and service spaces; and

(b) Portable fire extinguishers in spaces containing oil-fired boilers or internal-combustion machinery in accordance with clauses 28 and 29 of this code.

(2) Every ship of Class VII, VIIA or VIII with a gross tonnage of less than 150 and of less than 24m but not less than 15m in length shall be provided with at least 4 portable fire extinguishers, and if of less than 15m in length with at least 3 portable fire extinguishers of which at least 2 shall be of a type suitable for extinguishing oil fires and shall be located in or adjacent to the machinery spaces and shall have a minimum capacity in accordance with the following scale.

Foam	9 litres
Carbon Dioxide	4.5 kg
Dry Powder	4.5 kg

The minimum capacities of the other fire extinguishers required under this subclause shall be in accordance with the following scale:

Water or Foam	9 litres
Carbon Dioxide	2 kg
Dry Powder	1 kg

(3) The fire extinguishers required by subclause (2) of this clause shall be distributed so as to be readily available in the event of a fire in any of the passenger, crew, or machinery spaces, and shall be located to the satisfaction of a Surveyor.

28. Machinery spaces containing oil-fired boilers or oil-burning equipment—(1) In every ship of Class VII, VIIA or VIII with a gross tonnage of less than 150, every space containing any oil-fired boiler, oil-fuel settling tank, or oil-fuel unit shall be provided with:

(a) At least 1 foam fire extinguisher of at least 135 litres capacity or 1 carbon-dioxide extinguisher of at least 45 kg capacity; and

(b) In each firing space and in each space which contains any part of any fuel installation, at least 1 portable fire extinguisher; and

(c) In each firing space, a receptacle containing at least 50 litres of sand or other dry material suitable for quenching oil fires, together with a scoop for its distribution, or, alternatively, an additional portable fire extinguisher.

(2) If an auxiliary oil-fired boiler, oil-fuel settling tank, or oil-fuel unit is fitted in a space occupied by propelling or auxiliary machinery of internal-combustion type the fire appliances required by subclause (1) of this clause shall be provided in addition to any fire appliances required by the provisions of clause 29 of this Code.

29. Machinery spaces containing internal-combustion type machinery—(1) In every ship of Class VII, VIIA or VIII with a gross tonnage of less than 150 and of 24m in length or over, every space containing internal-combustion type machinery used for main-propulsion or auxiliary purposes shall be provided with:

(a) At least 1 foam fire extinguisher of at least 45 litres capacity or 1 carbon-dioxide fire extinguisher of at least 16 kg capacity.

Provided that such an extinguisher shall not be required in any machinery space containing only auxiliary machinery; and

(b) At least 2 portable fire extinguishers in every space containing main-propulsion machinery and at least 1 portable fire extinguisher in every space containing only auxiliary machinery.

(2) In every ship of Class VII, VIIA or VIII with a gross tonnage of less than 150 and of less than 24m in length, the spaces containing internal-combustion type propulsion or