

accessible and is clearly audible throughout adjacent accommodation spaces.

(2) The alarm bells required to be provided in compliance with 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.

25. Fire pumps—(1) Every ship to which Part III of this Code of Practice applies 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 to which Part III of this Code of Practice applies 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 to which Part III of this Code of Practice applies 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 to which Part III of this Code of Practice applies 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 this class and length which plies within extreme limits 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.

(3) Every ship to which Part III of this Code of Practice applies 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 to which Part III of this Code of Practice applies 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 the provisions of clauses 28 and 29 of this Code.

28. Machinery spaces containing oil-fired boilers or oil-burning equipment—(1) In every ship to which Part III of this Code of Practice applies 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 clause 29 of this Code.

29. Machinery spaces containing internal-combustion type machinery—(1) In every ship to which Part III of this Code of Practice applies 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 extinguisher in every space containing main-propulsion machinery and at least 1 portable extinguisher in every space containing only auxiliary machinery.

(2) Every ship to which Part III of this Code of Practice applies fitted with internal-combustion propelling machinery which uses fuel having a flash point below 60°C shall be provided with a fixed installation for the discharge of fire-smothering gas into the space containing such propelling machinery and into any space containing the storage tanks of such fuel.

(3) The fixed installation required under subclause (3) of this clause shall have a capacity in accordance with the following:

(a) If discharging carbon dioxide—mass required

Net Volume of Spaces to be Protected: Cubic Metres	Mass of Carbon Dioxide in Kilograms
0 to 5m ³	1.0 kg CO ₂ per 0.87m ³ space
5 to 15m ³	1.0 kg CO ₂ per 0.93m ³ space
15 to 45m ³	1.0 kg CO ₂ per 1.00m ³ space
45 to 125m ³	1.0 kg CO ₂ per 1.12m ³ space
125 and over	1.0 kg CO ₂ per 1.25m ³ space

(b) If discharging a fire-smothering gas other than carbon dioxide the installation shall have a capacity approved by the Chief Surveyor.

(4) The fixed installation required under subclause (3) of this clause may be manually or automatically operated, but any automatically operated installation shall be provided with an alarm giving audible warning to persons within the protected spaces.

(5) Where in the opinion of the Chief Surveyor the propelling machinery and fuel-storage tanks of any ship to which this clause applies are so open to the atmosphere as to make the fitting of a fixed fire-smothering gas installation ineffective, he may allow the requirements of subclause (3) of this clause to be dispensed with.

(6) Every ship to which Part III of this Code of Practice applies fitted with propelling machinery which uses fuel having a flash point of less than 60°C shall be provided with a system for the automatic detection of fuel-gas vapour in the spaces containing the propelling machinery and the fuel-storage tanks. That automatic gas detector shall be capable of giving a visible and audible warning of the presence of fuel gas vapour.

30. Machinery spaces containing steam engines—(1) In every ship to which Part III of this Code of Practice applies there shall be provided for the protection of every space containing steam turbines or enclosed pressure-lubricated steam engines used for main-propulsion or auxiliary purposes:

(a) At least 1 foam fire extinguisher of not less than 45 litres