

fire control station, if any, or permanent pressurisation of the fire main system by one of the main fire pumps, except that the Chief Surveyor may waive this requirement for such ships with a gross tonnage of less than 1600 if the arrangement of the machinery space access makes it unnecessary.

5. Fire main, water-service pipes, hydrants, hoses and nozzles—(1) Every ship of Class VII, VIIA or VIII with a gross tonnage of 500 or over shall be provided with a fire main, water-service pipes and hydrants, complying with clause 17 of the General Code and with fire hoses and nozzles complying with the provisions of clause 18 of the General Code.

(2) In every ship of Class VII, VIIA or VIII with a gross tonnage of 500 or over the arrangement of fire main and water-service pipes and the number and position of fire hydrants shall be such that:

(a) At least 2 jets of water not emanating from the same hydrant, 1 of which shall be from a single length of hose, may reach any part of the ship normally accessible to the passengers or crew while the ship is being navigated and any part of any cargo spaces when empty including any ro-ro cargo space. Such hydrants shall be positioned near the accesses to the protected spaces;

(b) Every space containing oil-fired boilers or propelling machinery of internal-combustion type shall be provided with 2 fire-hydrants, 1 on the port side and 1 on the starboard side;

(c) In any ship in which there is access to the machinery spaces by way of a shaft tunnel, a fire hydrant shall be provided in the tunnel at the end adjacent to the machinery space.

(3) Every ship of Class VII, VIIA or VIII with a gross tonnage of 500 or over shall be provided with:

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

(b) 1 hose and 1 dual-purpose nozzle for every 30m of length of the ship or part thereof, plus 1 spare fire hose and dual-purpose nozzle, but in no case less than 5 hoses and nozzles in any ship with a gross tonnage of 1000 or over and greater than 3 hoses and nozzles in the case of a ship with a gross tonnage of less than 1000 but not less than 500.

6. Portable fire extinguishers in accommodation and service spaces—Every ship of Class VII, VIIA or VIII with a gross tonnage of 500 or over shall be provided with a sufficient number of portable fire extinguishers to ensure that at least 1 such extinguisher will be readily available for use in any part of the accommodation or service spaces. The number of such extinguishers shall not be less than 5 in a ship with a gross tonnage of 1000 or over, and not less than 3 in a ship with a gross tonnage of 500 or over but less than 1000. In addition, at least 1 portable fire extinguisher and 1 fire blanket shall be provided in every galley and where the superficial deck area of any galley exceeds 45m² at least 2 portable fire extinguishers and 2 fire blankets shall be provided.

7. Fire protection arrangements in cargo spaces—(1) Except for cargo spaces covered by clauses 5 or 6 of the General Code, cargo spaces in every ship of Class VII, VIIA and VIII with a gross tonnage of 2000 or over shall be protected by a fixed fire smothering gas installation complying with the provisions of clause 24 of the General Code or by a fire-extinguishing system which in the opinion of the Chief Surveyor gives equivalent protection.

(2) The Chief Surveyor may exempt any ship from the requirement of subclause (1) of this clause if he is satisfied that:

(a) The cargo spaces therein are provided with steel hatch covers and effective means of closing all ventilators and other openings leading to the cargo spaces; and

(b) The ship is constructed for, and solely intended for carrying ore, coal, grain, unseasoned timber or cargoes which,

in the opinion of the Chief Surveyor, constitute a low fire risk; or

(c) To require compliance with the requirements of that subclause would be unreasonable on account of the short duration of the voyages on which the ship is engaged.

8. Machinery spaces of Category A containing oil-fired boilers or oil-burning equipment—(1) In every ship of Class VII, VIIA or VIII with a gross tonnage of 500 or over, there shall be provided for the protection of any space of Category A containing any oil-fired boiler, oil-fuel settling tank, or oil-fuel unit:

(a) Any 1 of the following fixed fire-extinguishing installations:

(i) A pressure water-spraying system complying with the requirements of the Performance Standard referred to in clause 22 of the General Code;

(ii) A fire-smothering gas installation complying with the requirements of the Performance Standard referred to in clause 24 of the General Code.

(iii) A high-expansion foam fire-extinguishing system complying with the requirements of the Performance Standard referred to in clause 25 of the General Code;

If the engine and boiler rooms are not entirely separate or if fuel oil can drain from the boiler room into the engine room, the combined engine and boiler room shall for the purpose of this subclause be regarded as a single space.

(2) In addition to the requirements of subclause (1) of this clause there shall also be provided:

(a) In each boiler room at least 1 set of portable air-foam equipment complying with the requirements of the Performance Standard referred to in clause 27 of the General Code.

(b) In each firing space in each boiler room and in each space which contains any part of any oil fuel installation, at least 2 portable fire extinguishers.

(c) In each boiler room 1 or more foam fire extinguishers each of at least 135 litres capacity, or carbon dioxide fire extinguishers each of at least 45kg capacity placed in such positions so as to be readily accessible in the event of fire and shall be sufficient in number to enable the foam or carbon dioxide to be directed on to any part of the oil fuel installation.

(d) In each firing space a receptacle containing at least 250 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 suitable for extinguishing oil fires.

9. Machinery spaces of Category A containing internal-combustion type machinery—In every ship of Class VII, VIIA or VIII with a gross tonnage of 500 or over there shall be provided for the protection of every machinery space of Category A:

(a) Any 1 of the fixed fire-extinguishing installations in subclause (1) of clause 8 of this Code.

(b) At least 1 set of portable air-foam equipment complying with the Performance Standard referred to in clause 27 of the General Code.

(c) Foam fire extinguishers, each of at least 45 litres capacity, or carbon dioxide extinguishers each of at least 16kg capacity sufficient in number to enable foam or carbon dioxide to be directed on to any part of the fuel and lubricating oil pressure systems, gearing and other fire hazards.

(d) Sufficient portable fire extinguishers suitable for extinguishing oil fires which shall be so located that no point in that space is more than 10m walking distance from an extinguisher provided there shall be not less than 2 such extinguishers.

10. Machinery spaces containing steam engines—In every