

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.

4. Fire pumps—(1) Every ship of Class I with a gross tonnage of 4000 or over shall be provided with at least three power-operated fire pumps, and every ship of Class I with a gross tonnage of less than 4,000 shall be provided with at least two power-operated fire pumps. Each such pump shall be capable of delivering at least one jet of water simultaneously from each of any two fire hydrants, hoses, and nozzles provided in the ship and shall comply with the requirements of clause 16(1) of the General Code.

(2) Every ship of Class II of 90m in length or over shall be provided with at least three power-operated fire pumps, each of which shall be capable of delivering at least one jet of water simultaneously from each of any two fire hydrants hoses and nozzles provided in the ship and shall comply with the requirements of clause 16(1) of the General Code.

(3) Every ship of Class II of less than 90m but not less than 45m in length shall be provided with at least two power-operated fire pumps, each of which shall be capable of delivering at least one jet of water simultaneously from each of any two fire hydrants, hoses, and nozzles provided in the ship and shall comply with the requirements of clause 16(1) of the General Code.

(4) Every ship of Class II of less than 45m but not less than 24m in length shall be provided with at least one power-operated fire pump, which shall be capable of delivering at least one jet of water simultaneously from each of any two fire hydrants, hoses, and nozzles provided in the ship and shall comply with the requirements of clause 16(1) of the General Code.

(5) Every ship of Class II of less than 24m in length shall be provided with at least one power-operated fire pump, which may be driven by the main engine, capable of delivering at least one jet of water from any fire hydrant, hose and nozzle provided in the ship and shall comply with the requirements of clause 16(1) of the General Code.

(6) In every ship of Class I with a gross tonnage of 1000 or over, and in every ship of Class II of 45m in length or over, the sea connections, pumps, and the sources of power for operating them shall be so arranged as to ensure that a fire in any one compartment will not put all the fire pumps out of action.

(7) If, in any ship of Class I with a gross tonnage of less than 1,000, or in any ship of Class II of less than 45m in length, a fire in any one compartment could put all the fire pumps out of action, there shall be provided in a position outside the machinery spaces an emergency fire pump complying with clause 16 (8) of the General Code.

Provided that in the case of a ship of Class II of less than 24m in length, the emergency fire pump may be hand-operated complying with clause 16(9) of the General Code.

5. Fire main, water-service pipes, hydrants, hoses, and nozzles—(1) Every ship of Class I, or II shall be provided with a fire main, water-service pipes, and hydrants complying with the provision of clause 17 of the General Code and with hoses and nozzles complying with the provisions of clause 18 of the General Code.

(2) In every ship of Class I, and in every ship of Class II of 24m in length or over, the arrangement of fire main and water-service pipes and the number and position of fire hydrants, hoses, and nozzles, shall be such that—

(a) At least 2 jets of water may 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) In accommodation spaces, service spaces, and machinery spaces the requirements of paragraph (a) of this subclause to be complied with when all watertight doors and all doors in main vertical-zone bulkheads are closed; and

(c) In every ship with a gross tonnage of 1000 or over, at least 1 jet of water is to be immediately available from any 1 hydrant, hose, and nozzle in an interior location and that arrangements shall be made to ensure the continuation of the output of water by the automatic starting of a fire pump; and

(d) Every machinery space of Category “A” shall be provided with 2 fire hydrants, 1 on the port side and 1 on the starboard side; and

(e) In every ship in which there is access to machinery spaces of Category “A” from a shaft tunnel, 2 fire hydrants shall be provided in the tunnel at the end adjacent to the machinery spaces; and

(f) In every ship in which there is access to machinery spaces of Category “A” at a low level from an adjacent space or spaces, other than a shaft tunnel, there shall be provided in 1 of these spaces 2 hydrants; but such provision shall not be required when the adjacent spaces are not part of an escape route.

(3) In every ship of Class II of less than 24m in length, the arrangement of fire-main and water-service pipes and the number and position of fire hydrants, hoses, and nozzles, shall be such that:

(a) At least 1 jet of water may 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) In accommodation spaces, service spaces, and machinery spaces, the requirements of paragraph (a) of this subclause to be complied with when all watertight doors are closed; and

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

(4) Every ship of Class I, or II shall be provided with at least 1 hose and 1 dual-purpose nozzle for every hydrant fitted in the ship, but in any event not less than 2 hoses and 2 nozzles in total.

(5) Every ship of Class I and every ship of Class II of 24m in length or over carrying more than 36 passengers, shall be provided with water-fog applicators according to the following scale:

(a) Two in every machinery space of Category A and

(b) One for each pair of fire crew outfits ;

Provided that in ships of Class II of less than 45m in length and not under 24m in length, only 1 water-fog applicator need be provided in compliance with paragraph (a) of this subclause.

6. Portable fire extinguishers in accommodation and service space—In every ship of Class I, or II there shall be provided:

(a) On each deck a sufficient number of portable fire extinguishers, so that at least 2 of these shall be readily available for use in every accommodation and service space between watertight bulkheads and main vertical-zone bulkheads; and

(b) In enclosed accommodation and service spaces above the bulkhead deck at least 1 portable extinguisher for use on each side of the ship in such spaces; and

(c) At least 1 portable fire extinguisher and a fire blanket in every galley, and where the superficial deck area of any galley