

exceeds 45m<sup>2</sup> at least 2 portable extinguishers and 2 fire blankets.

Provided that a fire blanket shall not be required in a ship of Class II of less than 24m in length; and

(d) At least 1 portable fire extinguisher in each control station.

**7. Fixed fire-smothering arrangements in cargo spaces—**

(1) 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, there shall be provided a fixed fire-smothering gas installation complying with the requirements of clause 24 of the General Code or a fixed high-expansion foam fire-extinguishing system complying with the requirements of clause 25 of the General Code which shall be so arranged as to protect every cargo space.

(2) The Chief Surveyor may exempt any ship of Class II from the requirements of this clause, if he is satisfied that to require compliance therewith 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 I, and in every ship of Class II of 24m in length or over, there shall be provided for the protection of any machinery space of Category A containing any oil-fired boiler or oil fuel units:

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

(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 system complying with the requirements of the Performance Standard referred to in clause 24 of the General Code:

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

and 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 rooms shall be considered as one space.

(b) 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.

(c) 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.

(d) In each boiler room 1 or more foam fire extinguisher each of at least 135 litres capacity, or carbon dioxide fire extinguisher each of at least 45 kg 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 boiler room and spaces containing any part of the oil-fuel installation.

(e) 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.

(2) In every ship of Class II of less than 24m in length, there shall be provided for the protection of any space containing any oil-fired boiler, oil-fuel settling tank, or oil-fuel unit:

(a) 1 or more foam fire-extinguishers, each of at least 45 litres capacity, or carbon-dioxide fire extinguishers, each of at least 16 kg capacity. The extinguisher or extinguishers shall be sited so as to be readily accessible in the event of fire, and they shall be sufficient in number to enable foam or carbon dioxide to be directed on to any part of such spaces;

(b) In each firing space and in each space which contains

any part of any oil-fuel installation, at least 2 portable fire extinguishers;

(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.

(3) 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 subclauses (1) and (2) of this clause shall be provided in addition to any fire appliances required by clause 8 of this code.

Provided that, if the largest single area over which oil fuel may spread in the event of a leakage is less than 9m<sup>2</sup>, one foam fire-extinguisher of at least 135 litres capacity or a carbon-dioxide fire extinguisher of at least 45 kg capacity may be provided instead of the appliances required by subclauses (1)(a) and (1)(d) of this clause.

**9. Machinery spaces of Category A containing internal combustion type machinery—**

(1) In every ship of Class I or Class II, there shall be provided for the protection of every machinery space of Category A containing internal combustion type machinery:

(a) 1 of the following fixed fire extinguishing systems:

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

(ii) A fire smothering gas system, complying with the requirements of the Performance Standard referred to in clause 24 of the General Code or

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

(b) Foam fire extinguishers of not less than 45 litres capacity or carbon-dioxide fire extinguishers of not less than 16 kg 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.

(c) Sufficient portable fire extinguishers so located that a portable extinguisher is not more than 10 m walking distance from any point in the space: provided that there shall be not less than two such extinguishers:

(d) 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.

**10. Machinery spaces containing steam engines—**In every ship of Class I, or Class II, 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) Foam fire extinguishers, each of at least 45 litres capacity, or carbon-dioxide fire extinguishers each, of at least 16 kg capacity, sufficient in number to enable foam or carbon dioxide to be directed on to any part of the pressure-lubrication system and on to any part of the casing enclosing pressure-lubricated parts of turbines, engines, or associated gearing.

Provided that such extinguishers shall not be required if equivalent protection is provided in such spaces by a fixed fire-extinguishing installation fitted in compliance with clause 8(1)(a) or clause 9 (1)(a) of this code.

Provided also that such extinguishers shall not be required in any space containing only auxiliary machinery having an aggregate power of less than 375 kW.

(b) Sufficient portable fire extinguishers so located that a portable extinguisher is not more than 10m walking distance from any point in the space.

Provided that not less than 2 such extinguishers shall be required in any space containing main propulsion-machinery