

(d) When steam is the extinguishing medium in holds, the boiler or boilers available for supplying steam shall have an evaporation of at least 1 lb. of steam per hour for each 12 cubic feet (or 1 kilogramme for each 0.75 cubic metres) of the gross volume of the largest cargo compartment in the ship.

(e) Means shall be provided for stopping ventilating fans from outside the space and for closing all doorways, ventilators, annular spaces around funnels and other openings to spaces in which fire smothering gas or steam may be used as a fire extinguishing medium.

(f) Means shall be provided for giving audible warning of the release of carbon dioxide to any working space.

Regulation 48

Automatic Sprinkler Systems

(a) Water sprinkler systems automatic in operation may be accepted as satisfactory means for fire extinguishing. Where such a system is fitted it shall be kept charged at the necessary pressure and shall have provision for a continuous supply of water.

(b) The system shall be subdivided into a number of sections to be decided by the Administration, and automatic alarms shall be provided to indicate at one or more suitable points or stations the occurrence or indication of fire, and its location.

(c) The pump or pumps to provide the discharge from sprinkler heads shall be so connected as to be brought into action automatically by a pressure drop in the system.

(d) Each pump shall be capable of maintaining a sufficient supply of water at the appropriate pressure, at the sprinkler heads, while such number of sprinkler heads as will be decided by the Administration are in operation.

(e) There shall be not less than two sources of power supply for seawater pumps, air compressors and automatic alarms. Where the power is electrical the supply shall be taken through the emergency switchboard by a feeder reserved solely for that purpose. There shall be no switch in the circuit other than that at the switchboard. The switch shall be clearly labelled and shall normally be kept closed.

(f) Sprinkler heads shall be required to operate at temperatures that will be decided by the Administration. Suitable means for the periodic testing of all automatic arrangements shall be provided.

Regulation 49

Breathing Apparatus, Smoke Helmets and Safety Lamps

(a) A breathing apparatus or smoke helmet shall be of a type approved by the Administration.

(b) In order to avoid smoke being breathed by the wearer of a smoke helmet or mask fitted with an air hose, the length of air hose supplied shall be sufficient to reach from the open deck, well clear of hatch or doorway, to any part of the holds or machinery spaces.

(c) Safety lamps shall have a minimum burning period of three hours and be of a type approved by the Administration.