

(iii) Sanitary, ballast and general service pumps may be accepted as independent power bilge pumps if fitted with the necessary connections to the bilge pumping system.

(c) Where practicable, the power bilge pumps shall be placed in separate watertight compartments so arranged or situated that these compartments will not readily be flooded by the same damage. If the engines and boilers are in two or more watertight compartments, the pumps available for bilge service shall be distributed through these compartments as far as is possible.

(d) On ships 300 feet (or 91.5 metres) or more in length or having a criterion numeral of 30 or more, the arrangements shall be such that at least one power pump will be available for use in all ordinary circumstances in which a ship may be flooded at sea. This requirement will be satisfied if—

(i) One of the required pumps is an emergency pump of a reliable submersible type having a source of power situated above the bulkhead deck, or

(ii) The pumps and their sources of power are so disposed throughout the length of the ship that under any condition of flooding which the ship is required to withstand, at least one pump in an undamaged compartment will be available.

(e) With the exception of pumps which may be provided for peak compartments only, each bilge pump, whether operated by hand or by power shall be arranged to draw water from any hold or machinery compartment in the ship.

(f) (i) Each independent power bilge pump shall be capable of giving a speed of water through the main bilge pipe of not less than 400 feet (or 122 metres) per minute. Independent power bilge pumps situated in machinery spaces shall have direct suctions from these spaces, except that not more than two such suctions shall be required in any one space. The Administration may require independent power bilge pumps situated in other spaces to have separate direct suctions. Direct suctions shall be suitably arranged and those in a machinery space shall be of a diameter not less than that of the bilge main.

(ii) In coal-burning ships there shall be provided in the stokehold, in addition to the other suctions required by this Regulation, a flexible suction hose of suitable diameter and sufficient length, capable of being connected to the suction side of an independent power pump.

(g) Main circulating pumps shall have direct suction connections, provided with non-return valves, to the lowest drainage level in the machinery space, and of a diameter at least two-thirds that of the main sea inlet. Where the fuel is, or may be, coal and there is no watertight bulkhead between the engines and the boilers, a direct discharge overboard shall be fitted from at least one circulating pump, or, alternatively, a by-pass may be fitted to the