

SC121 Fire Pump Isolation Requirements

(1997)
 (Rev.1
 Nov 2005)
 (Rev.2
 Jan 2023)

(Reg. II-2/10.2.1.4.1) Interpretation of SOLAS II-2 Regulation 10.2.1.4.1

SOLAS II-2 Regulation 10.2.1.4.1 reads as follows:

Isolating valves to separate the section of the fire main within the machinery space containing the main fire pump or pumps from the rest of the fire main shall be fitted in an easily accessible and tenable position outside the machinery spaces. The fire main shall be so arranged that when the isolating valves are shut all the hydrants on the ship, except those in the machinery space referred to above, can be supplied with water by another fire pump or an emergency fire pump. The emergency fire pump, its seawater inlet, and suction and delivery pipes and isolating valves shall be located outside the machinery space. If this arrangement cannot be made, the sea-chest may be fitted in the machinery space if the valve is remotely controlled from a position in the same compartment as the emergency fire pump and the suction pipe is as short as practicable. Short lengths of suction or discharge piping may penetrate the machinery space, provided they are enclosed in a substantial steel casing, or are insulated to "A-60" class standards. The pipes shall have substantial wall thickness, but in no case less than 11 mm, and shall be welded except for the flanged connection to the sea inlet valve.

Interpretation

Any part of the fire main routed through a category A machinery space, except for short lengths of suction or discharge piping complying with SOLAS II-2/10.2.1.4.1, must be fitted with isolating valves outside of the space. The arrangements of the fire mains must allow for fire water from the fire pumps or emergency fire pump to reach all hydrants outside of the isolated space. Isolation requirements of SOLAS Reg. II-2/10.2.1.4.1 are not applicable to the piping from fire pumps located in other spaces other than category A machinery spaces.

Note:

1. Rev.2 of this Unified Interpretation is to be uniformly implemented by IACS Societies on ships constructed on or after 1 July 2023.
2. The “contracted for construction” date means the date on which the contract to build the vessel is signed between the prospective owner and the shipbuilder. For further details regarding the date of “contract for construction”, refer to IACS Procedural Requirement (PR) No. 29.

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