



ARRANGEMENT OF SUBMERSIBLE LOW VOLTAGE BILGE PUMPS WITHOUT MANIFOLD

Application

This equivalent solution applies to the use of a bilge system made up of submersible low voltage bilge pumps on a domestic commercial vessel as permitted by Section 5.8 of Part C, Section 5A of the National Standard for Commercial Vessels (NSCV Part C5A).

Current requirement

NSCV Part C5A states:

5.8.2.7 Bilge distribution manifold

The bilge system in vessels of 25 m measured length and over shall be provided with a bilge distribution manifold located in an accessible position. Valves in bilge distribution manifolds shall be of non-return type.

Equivalence

A vessel of 25 m or more in measured length fitted with low voltage submersible bilge pumps, without a bilge distribution manifold, is an approved equivalent means of complying with the requirements of section 5.8.2.7 of NSCV Part C5A if:

- the submersible pumps are metal bodied, low voltage type, with a reliable power supply; and
- the system is arranged such that each compartment can be pumped by two powered pumps each with a capacity of 15.0 kL/h, at least one of which must be a fixed submersible pump. The other may be a portable pump if permitted by NSCV subsection C5A 5.8.3.3 (d).

Note: The bilge system including arrangement, power source, piping and discharges must still comply with all other requirements of NSCV part C5A.

¹ This solution is approved by the National Regulator for the purposes of NSCV Part B 1.6.