

On t

MEMORANDUM

Published Requirements of Classification Societies regarding  
number of Bilge Pumps and Air Compressors on small Motor Vessels.

Bilge Pumps  
Section 43, Clause 13

British Corporation (1946 Edition of Rules)

"In ships of less than 180 feet length, one bilge pump is to be fitted ..... In addition, at least one independent power pump (such as the ballast or general service pump) of capacity not less than required for the bilge pumps, is to be connected to the main bilge suction pipe, and is to have a direct bilge suction in the engine room not less in diameter than required for the main bilge suction pipe."

Air Compressors Section 39, Clause 7

"Auxiliary Compressors are to be fitted of sufficient capacity for the starting and manoeuvring requirements of the main engines. Engines with air injection should have auxiliary compressors of power not less than half that of the main compressors for one set of engines.

A small auxiliary compressor, which does not require compressed air for starting is to be fitted to obtain the initial charge of air."

American Bureau (1946 Edition of Rules)

Bilge Pumps.  
Section 36, Clause 10(b)

"Self-propelled ocean going and Great Lakes vessels below 180 feet in length and all self-propelled river and harbor vessels are to be provided with at least one independently driven power pump attached to the bilge system and, in addition, either a second power pump which may be attached to the propelling unit or two efficient hand pumps of approved type properly arranged to draw from the bilge."

Air Compressors. Section 34, Clause 18

(a) General

"The auxiliaries specified in the following requirements are the minimum for ocean going vessels, but may be modified for vessels classed for limited service and for sailing vessels fitted with auxiliary propelling engines."

Starting Air Compressors.

"One or more independent compressors, capable of charging the air containers within one hour to the requirements of paragraph 26 (b), are to be fitted."

Emergency Compressors.

"One emergency compressor with a driving unit not requiring air for starting and of a capacity proportioned upon the size of the main engine is to be fitted in addition to the foregoing."

Bureau Veritas (1940 Edition of Rules)

Bilge Pumps  
Article 46, Clause 1

"There should be as a minimum:

(a) Two bilge pumps driven by the engines and so arranged that one can be overhauled when the other is at work, and:

(b) An independent power bilge pump, or

(c) Two independent power bilge pumps.

In vessels of less than 180 feet in length, one bilge pump, in addition to the power bilge pump, need be fitted."