



ABYC H-22 July, 2011

Hull Division Standard

Hull Piping Project Technical Committee

The ABYC Standards and Technical Information Reports for Small Craft are the product of a consensus of representatives of government, industry and public sectors. It is intended solely as a guide to aid manufacturers and the marine community in the design, construction, equipage and maintenance of small craft.

ABYC reviews each standard at least every five years at which time it may be reaffirmed, revised, or withdrawn. ABYC welcomes any written comments on the Standards and Technical Information Reports.

ABYC H-22

ELECTRIC BILGE PUMP SYSTEMS



HULL PIPING PROJECT TECHNICAL COMMITTEE

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This list represents the membership at the time the Committee was balloted.

NOTE: Membership on a committee shall not in and of itself constitute an endorsement of ABYC or any document developed by the committee on which the member serves.

This standard was developed under procedures accredited as meeting the criteria for American National Standards. The Project Technical Committee that approved the standard was balanced to ensure that individuals from competent and concerned interests have had an opportunity to participate.

This standard, which is the result of extended and careful consideration of available knowledge and experience on the subject, is intended to provide minimum performance requirements.

ABYC's Project Technical Committee meetings are open to the public. All contact regarding standards activity, interpretations, or meeting attendance should be directed to the ABYC Technical Department at comments@abycinc.org.

ABYC and its committees do not "approve", "certify", or "endorse" any item, construction, or proprietary device.

REQUEST FOR INTERPRETATIONS

Upon written request, the Hull Piping PTC will render an interpretation of any requirement of the Standard. The request for interpretation should be clear and unambiguous. Requests should be presented to the PTC in a manner in which they may be answered in a yes or no fashion.

The committee reserves the right to reconsider any interpretation when or if additional information which might affect it becomes available to the PTC. Persons aggrieved by an interpretation may appeal to the Committee for reinterpretation.

H-22 ELECTRIC BILGE PUMP SYSTEMS

Table of Contents

| | | |
|------|---|---|
| 22.1 | PURPOSE | 1 |
| 22.2 | SCOPE | 1 |
| 22.3 | REFERENCES | 1 |
| 22.4 | DEFINITIONS | 1 |
| 22.5 | GENERAL REQUIREMENTS - PUMPS..... | 2 |
| 22.6 | MATERIALS | 3 |
| 22.7 | DESIGN AND CONSTRUCTION - BILGE PUMP SYSTEM | 4 |
| 22.8 | LOCATION AND INSTALLATION | 4 |
| | APPENDIX - Bilge Pump Rating Criteria..... | 6 |
| | TABLE 1 FREE FLOW BILGE PUMP TEST | 6 |
| | Origin and Development of ABYC H-22, Electric Bilge Pump Systems..... | 7 |

H-22 ELECTRIC BILGE PUMP SYSTEMS

Based on ABYC's assessment of the existing technology, and the problems associated with achieving the goals of this standard, ABYC recommends compliance with this standard for all boats, associated equipment, and systems manufactured after July 31, 2012.

22.1 PURPOSE

These standards are guides for the design, construction, installation, operation, and control of electric bilge pump systems.

22.2 SCOPE

These standards apply to all boats equipped with electric bilge pump systems intended for control of spray, rain water, and normal accumulation of water due to seepage and spillage.

EXCEPTIONS:

1. *Pumps intended for damage control.*

2. *Damage control systems.*

22.3 REFERENCES

22.3.1 The following publications form a part of this standard. Unless otherwise noted the latest version of referenced standards shall apply.

22.3.1.1 ABYC - American Boat & Yacht Council, Inc. 613 Third Street, Ste 10, Annapolis, MD 21403 Phone: (410) 990-4460. Fax: (410) 990-4466 Website: www.abycinc.org

[ABYC E-11, AC and DC Electrical Systems On Boats](#)
[ABYC H-2, Ventilation of Boats Using Gasoline](#)
[ABYC H-27, Seacocks, Thru-Hull Connections, and Drain Plugs](#)

22.4 DEFINITIONS

For the purposes of this standard, the following definitions apply.

22.4.1 Accessible - capable of being reached for inspection, removal, or maintenance without removal of permanent boat structure.

22.4.2 Design Voltage - 113.3% of nominal voltage.

22.4.3 Enclosed Accommodation Compartment - one contiguous space, surrounded by permanent structure, that contains the following:

22.4.3.1 designated sleeping accommodations;

22.4.3.2 a galley area with sink; and

22.4.3.3 a head compartment.

NOTE: A cuddy intended for gear storage and open passenger cockpits, with or without canvas enclosures, are not considered to be enclosed accommodation compartments.

22.4.4 Nominal Voltages - commonly used voltages such as 6, 12, 24, and 32 volts DC, and 110/120 volts AC.

22.4.5 Non-Submersible Pump - a pump designed to be operated with the pump above water.