



*ABYC H-24, July 2017*

**Hull Division Standard**

**Fuel and Ventilation Project Technical  
Committee**

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*ABYC reviews each standard at least every five years at which time it may be reaffirmed, revised, or withdrawn.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-24**

  

## **GASOLINE FUEL SYSTEMS**



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*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](mailto: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 Fuel & Ventilation Systems 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.

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## H-24 GASOLINE FUEL SYSTEMS

Based on ABYC's assessment of existing technology, promulgated federal regulations 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 or installed after July 31, 2018.

### 24.1 PURPOSE

This standard is a guide for the design, choice of materials for, construction, installation, repair, and maintenance of permanently installed gasoline fuel systems.

#### NOTES:

1. Portable gasoline fuel systems are covered by [ABYC H-25, Portable Gasoline Fuel Systems](#).
2. The United States Coast Guard has promulgated mandatory requirements for gasoline fuel systems in 33 CFR, Subpart J, Sections 183.501 - 183.590. Refer to the CFR for complete, current federal requirements.
3. The Environmental Protection Agency has promulgated regulations regarding the evaporative and diurnal emissions for gasoline spark ignition marine engines and fuel systems in 40 CFR Chapter 1060 (see [APPENDIX 2](#)). Refer to the CFR for complete, current federal requirements.
4. The California Air Resources Board has promulgated regulations regarding the evaporative and diurnal emissions for Spark Ignition Marine Watercraft (SIMW) in 13 CCR 2850-2871 (see [APPENDIX 2](#)). Refer to the CCR for complete, current requirements.

### 24.2 SCOPE

This standard applies to all parts of permanently installed gasoline fuel systems from the fuel fill opening to the point of connection to the propulsion engine and/or to any auxiliary equipment on all boats with gasoline engines, excluding onboard refueling systems.

### 24.3 REFERENCES

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

24.3.1 ABYC - American Boat & Yacht Council, Inc., 613 Third St., Suite 10, Annapolis, MD 21403. Phone: (410) 990-4460. Fax: (410) 990-4466. Website: [www.abycinc.org](http://www.abycinc.org)

[ABYC C-1, Primer Bulbs](#)  
[ABYC E-11, AC and DC Electrical Systems on Boats](#)  
[ABYC H-2, Ventilation of Boats Using Gasoline](#)  
[ABYC H-25, Portable Gasoline Fuel Systems](#)  
[ABYC S-8, Boat Measurement and Weight](#)  
[ABYC T-5, Safety Signs and Labels](#)  
[ABYC T-24, Owner/Operator's Manual](#)

24.3.2 ASTM International - American Society for Testing and Materials International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. Phone: (610) 832-9500. Fax: (610) 832-9555. Website: [www.astm.org](http://www.astm.org)

ASTM A463/A463M-02a, *Standard Specification for Steel Sheet, Aluminum-Coated, by the Hot-Dip Process*  
ASTM A653/A653M-02a, *Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process*  
ASTM B96/B96M-01, *Standard Specification for Copper-Silicon Alloy Plate, Sheet, Strip, and Rolled Bar for General Purposes and Pressure Vessels*  
ASTM B122/B122M-00, *Standard Specification for Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar*  
ASTM B127-98, *Standard Specification for Nickel-Copper Alloy (UNS N04400) Plate, Sheet, and Strip*  
ASTM B152/B152M-00, *Standard Specification for Copper Sheet, Strip, Plate, and Rolled Bar*