



ABYC A-30 July, 2013

**Equipment Division Standard
Thermal Appliance 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ABYC reviews each standard at least every five years at which time it may be reaffirmed, revised, or withdrawn.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 A-30

COOKING APPLIANCES WITH INTEGRAL LPG CYLINDERS



THERMAL APPLIANCE 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 Thermal Appliance 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.

A-30 COOKING APPLIANCES WITH INTEGRAL LPG CYLINDERS

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A-30 COOKING APPLIANCES WITH INTEGRAL LPG CYLINDERS

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 appliances, associated equipment, and systems manufactured after July 31, 2014.

30.1 PURPOSE

This standard is a guide for the design, construction, installation, and maintenance of cooking appliances with integral LPG cylinders.

30.2 SCOPE

This standard applies to all appliances with integral LPG cylinders of not more than 16 ounces (454 grams) designed for cooking outside the boat interior and appliances with integral LPG cylinders of not more than eight ounces (227 grams) designed for cooking and storage in the accommodation spaces.

NOTE: Installations with a capacity greater than 16 ounces (454 grams) are covered by [ABYC A-1, Marine Liquefied Petroleum Gas \(LPG\) Systems](#); [A-22, Marine Compressed Natural Gas \(CNG\) Systems](#); and [A-3, Galley Stoves](#).

30.3 REFERENCES

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

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

[ABYC A-1, Marine Liquefied Petroleum Gas \(LPG\) Systems](#)
[ABYC A-3, Galley Stoves](#)
[ABYC A-22, Marine Compressed Natural Gas \(CNG\) Systems](#)
[ABYC T-5, Safety Signs and Labels](#)

30.3.2 ANSI - American National Standards Institute, 25 West 43rd Street, New York, NY 10036. Phone: (212) 642-4900. Fax: (212) 398-0023. Web site: www.ansi.org

ANSI Z21.57, *Recreational Vehicle Cooking Gas Appliances*

30.3.3 DOT - Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590. Phone: (202) 366-4000. Web site: www.dot.org

49 CFR 178

30.3.4 UL – Underwriters Laboratories, Inc., 12 Laboratory Drive, PO Box 13995, Research Triangle Park, NC 27709. Phone: (919) 549-1400. Web site: www.ul.com

UL 1100, *Alcohol and Kerosene Cooking Appliances for Marine Use*

30.4 DEFINITIONS

For the purpose of this standard the following definitions apply.

30.4.1 Externally-Mounted LPG Grills - an appliance designed for outdoor cooking fueled by LPG, that is mounted above the deck or over the side of the boat.

30.4.2 Liquefied Petroleum Gas (LPG) - products predominately composed of any of the following hydrocarbons: propane, propylene, butanes (i.e., normal butane or isobutane), butylenes, or a mixture thereof with physical properties as listed in the Appendix. LPG is heavier than air and will tend to sink if released into cabin space. See [Appendix](#).