

A-30 Cooking Appliances with Integral LPG Cylinders

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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, 2007.

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 (450 grams) designed for cooking outside the boat interior and appliances with integral LPG cylinders of not more than eight ounces (225 grams) designed for cooking and storage in the accommodation spaces.

NOTE: *Installations with a capacity greater than 450 grams (16 ounces) 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 REFERENCED ORGANIZATIONS

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.

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.

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

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

30.4 DEFINITIONS

For the purpose of this standard the following definitions apply.

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.

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](#)).

30.5 GENERAL REQUIREMENTS

30.5.1 The appliance shall be tested to determine that the temperature of the surface below, and immediately surrounding the appliance, does not rise more than 150 degrees F (65 degrees C) above the compartment's ambient temperature, when tested in accordance with temperature test section 18 of UL 1100, *Alcohol and Kerosene Cooking Appliances for Marine Use*.

EXCEPTION: *Externally-mounted grills.*

30.5.2 Cooking appliances shall meet the combustion requirements of ANSI Z21.57, *Recreational Vehicle Cooking Gas Appliances*.

30.5.3 Each cooking appliance shall be permanently marked or labeled with the following information:

30.5.3.1 manufacturer's name or trademark,