

A-26 LPG AND CNG FUELED APPLIANCES

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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 systems and associated equipment manufactured and/or installed after July 31, 2007.

26.1 PURPOSE

These standards and recommended practices are guides for the design, construction, installation, and maintenance of LPG and CNG fueled appliances.

26.2 SCOPE

These standards and recommended practices apply to permanently installed LPG and CNG fueled appliances intended for use in enclosed compartments on boats.

EXCEPTIONS:

- 1. Stoves covered by [ABYC A-3 Galley Stoves](#).**
- 2. Stoves covered by [ABYC A-30 Cooking Appliances With Integral LPG Cylinders](#).**

26.3 REFERENCED ORGANIZATIONS

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

ANSI - American National Standards Institute, 1430 Broadway, New York, NY 10018 (212) 354-3300. www.ansi.org

NFPA - National Fire Protection Association, Batterymarch Park, Quincy, MA 02269 (617) 770-3000. Website: www.nfpa.org

UL - Underwriters Laboratories Marine Department, POB 13995, 12 Laboratory Drive, Research Triangle Park, NC 27709 (919) 549-1400. Website: www.ul.com

26.4 DEFINITIONS

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

Attended Appliance - an appliance that is installed in the cabin of a boat and used when the occupants are in the accommodation space in which the appliance is installed, and that requires frequent attention by an operator, such as cooking stoves and ovens.

Unattended Appliance - appliances intended to function without frequent attention by an operator, and that may cycle on and off automatically, such as refrigerators, thermostatically controlled cabin heaters, and water heaters.

Flame Failure - the failure of combustion to continue after initial flame establishment.

Flame Failure Device - a device preventing fuel from flowing to the burner or to a pilot light if flame is not present.

Room Sealed Combustion System - a combustion system in which incoming air, the combustion chamber, and the outgoing products of combustion are sealed from the boat interior.

Compressed Natural Gas (CNG) - compressed natural gas consists principally of methane in gaseous form, and includes naturally occurring mixtures of hydrocarbon gases. CNG is a natural gas that is normally supplied as a fuel by a gas utility, and is stored under pressure in portable cylinders.

Liquefied Petroleum Gas (LPG) - includes any products predominantly composed of any of the following hydrocarbons: propane, propylene, butanes, i.e., normal butane or isobutane, butylenes, or a mixture thereof.