

UNDERWRITERS LABORATORIES INC. CERTIFICATION REQUIREMENT DECISION

This Certification Requirement Decision is prepared by UL LLC. It is normative for the applicable UL Product Certification Program(s); however, it is currently not part of the UL Standard(s) referenced below.

Product Category (CCN): OTDG

Standard Number: UL 1180

Standard Title: Standard for Fully Inflatable Recreational Personal Flotation Devices

Edition Date: February 13, 2009

Edition Number: 2

Section / Paragraph Reference: Added Paragraph 5.2 and Added Legacy Sections 45 - 59

Subject: Legacy Marking and Labeling Requirements

DECISION:

(NEW)

5.2 Devices shall be marked in accordance with Sections 45 and 58 – 59, or as described within the Normative Annex.

Normative Annex

45 General

45.1 All required markings shall be clearly reproduced in permanent, waterproof lettering of a color or colors that contrast with the color on which they are applied. Use of more than one color shall not change the prominence of the markings as required by 46.1.

45.2 A device shall not have markings which modify, contradict the intent of, or detract from the prominence of any required markings. Devices shall not be marked to indicate they are suitable for use at high speeds.

46 PFD Label Markings

46.1 Inflatable devices shall be marked in accordance with Table 46.1 and Figure 46.1. The fonts of the PFD label shall be at least as large as those shown in the figure. If enlarged fonts are used, the relative prominence between the required markings shall be maintained. The layout of the required markings may be altered provided the layout used presents the information in Figure 46.1. The markings required in Figure 46.1 shall be visible during donning, but are not required to be visible after the device is donned.

Exception: If the design of a device is such that insufficient surface area exists to permit the contiguous presentation of the Figure 46.1 markings, the markings may be divided into up to three separate labels provided the following groupings are maintained:

- a) The warning statement and individual warning items are within a single label group;*
- b) The caution statements are within a single label group; and*
- c) The USCG Approval statements and third party certification mark and information are within a single label group.*

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If label groupings are placed such that they will not be simultaneously visible when one is viewed, the groupings which do not contain the warning statements shall include reference directing the user to the warning statements in accordance with Figure 46.2.

Table 46.1
Device-specific required markings for PFD label

Symbol ^a	Requirement
[A]	Type of Inflatable PFD I, II, or III as assigned by the USCG based on performance type.
[SIZE]	Size Class If this marking is not visible when the device is packaged, it shall also appear on the package. The "ADULT – ", the size class may be followed by a size description, such as: "S", "M", "L", "XL", "XXL", "XXXL", "S/M", "L/XL", "UNIVERSAL", or "OVERSIZE".
[B]	Chest Size Shall be expressed in inches and centimeters over a range tested. for example, "30 to 32 inches (76 to 81 cm)". If this marking is not visible when the device is packaged, it shall also appear on the package.
[C]	Model Number A unique model number shall be provided for each inflation system / inflation compartment design. <i>Exception: A single model number may be used for a series of like devices differing only in size, provided that a size description such as "S", "M", "L", or "XL" is included.</i>
[D]	Style A unique style number shall be provided for each type of closure system. The style number may be in code with the model, or the device may be manufactured in only one style, in which case this field need not be included on the device.
###/###/##	U.S. Coast Guard Approval Number Assigned by the USCG.
†	This warning bullet may be modified to more specifically instruct the user regarding the indicators present on the device.
§	Shall be included on a device having removable inflation chambers.
*	Shall be provided for devices with automatic and manual-automatic inflation systems. Shall not be provided for devices with only manual inflation systems.
[Third Party Certification Mark]	Certification mark of third party organization providing testing, listing, and production follow-up inspection service.
[G]	Third party certification mark issue number.
[TRADEMARK OR NAME, AND ADDRESS]	Company or individual's trademark or name to be used on or in conjunction with the product, and address of the same. Shall be located within the borders of the PFD label as follows: A. For Figures 46.1, in any position below the USCG Approval statement; B. Such that no other required markings are obscured.
[LOT NUMBER]	Lot Number Shall incorporate a means for the user to identify the year and quarter of manufacture of the device if not provided elsewhere on the device. A lot shall consist of not more than 1000 devices. Lots shall be numbered serially. If a manufacturer produces PFDs at more than one factory, the lot number shall provide a means, which may be coded, of identifying the device as the product of a particular factory. Individualized serial marking of the PFDs (i.e., 1 device per lot) is acceptable.

^a See Figure 46.1.

Figure 46.1
Inflatable personal flotation device label

RECREATIONAL INFLATABLE – TYPE [A]
PERSONAL FLOTATION DEVICE
ADULT - [SIZE]
USER WEIGHT: More than 80 lbs. (36 kg)
CHEST SIZE: [B]

USCG Approved for use only on recreational boats by persons at least 16 years of age. An owner's manual must be provided with this PFD. Not approved to meet carriage requirements on commercial vessels. Not approved for use on personal water craft, for white water paddling, or for waterskiing, knee boarding, or similar towed uses.

WARNING – DROWNING HAZARD:

- **READ OWNER'S MANUAL BEFORE USE**
- **FOLLOW MANUFACTURER'S USE, CARE, AND MAINTENANCE INSTRUCTIONS**
- **YOU MUST INFLATE THIS DEVICE TO FLOAT**
- **WEAK OR NON-SWIMMERS SHOULD NOT USE THIS DEVICE UNLESS WORN INFLATED**

WARNING – TO REDUCE THE RISK OF DEATH BY DROWNING:

- **BEFORE DONNING, CHECK THAT THE DEVICE IS PROPERLY ARMED AND PACKED IN ACCORDANCE WITH THE OWNER'S MANUAL, AND THAT A FULLY CHARGED CYLINDER OF THE TYPE SPECIFIED IS IN PLACE †**
- **PERFORM SERVICE TEST EACH SEASON BEFORE USING THIS DEVICE**
- **CHOOSE THE RIGHT TYPE AND SIZE DEVICE AND WEAR IT - FASTEN ALL CLOSURES AND ADJUST FOR SNUG FIT**
- **DO NOT USE BELOW FREEZING**
- **DO NOT REMOVE THE INFLATABLE CHAMBERS §**
- **DO NOT FASTEN DEVICE TO BOAT**

WARNING – INJURY HAZARD – DO NOT WEAR THIS DEVICE UNDER CLOTHING.

CAUTION - MANUAL/AUTOMATIC INFLATABLE PFDS MAY INFLATE UNEXPECTEDLY WHEN EXPOSED TO HIGH HUMIDITY OR OTHER SEVERE CONDITIONS.*

CAUTION - THIS PFD REQUIRES REARMING AFTER EACH INFLATION. ALWAYS HAVE REARMING KITS TO SERVICE YOUR INFLATABLE PFDS.

MODEL: [C] STYLE: [D]
U.S. COAST GUARD APPROVAL NUMBER 160.###/###/##

[Third Party Certification Mark]	LISTED TYPE [X] RECREATIONAL INFLATABLE PFD Issue No. [G]
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[TRADEMARK
OR NAME,
AND ADDRESS] [LOT NUMBER]

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Figure 46.2
Text for divided label content

^a To avoid death by drowning, read all the WARNINGS AND CAUTIONS located [specify location on PFD] before using this PFD.
^a Text to precede Model and Style designation section in Figure 46.1.

46.2 The complete text of the markings in Figure 46.1 shall lie directly on the surface of the device or on a label attached to the device in accordance with the requirements in Section 56, Sewn Labels. (i.e. the Figure 46.1 markings shall not be applied on hang tags).

46.3 For Manual/Automatic inflated Type V PFDs with convertible inflation, the applicable rearming instructions shall be included on the PFD and in the Owner's Manual and shall cover both modes of arming as follows:

- ARMING INSTRUCTIONS FOR MANUAL ONLY
- ARMING INSTRUCTIONS FOR AUTOMATIC BACKUP

The instructions shall identify the specific arming kit model numbers and provide instruction for proper servicing for either mode of operation.

47 Donning Instructions

47.1 Identical written, pictogram, or both, donning instructions present on the device during the Use Characteristics Tests, Sections 16 – 27, shall be included on all devices.

48 Status Indicator Instructions

48.1 Written, pictogram, or both, instructions equivalent to those present on the device during evaluation of the inflation system(s) to the Standard for Components for Personal Flotation Devices, UL 1191, shall be situated so as to be apparent during examination of the status indicators.

49 Use, Care, and Maintenance Instructions

49.1 Devices shall also be marked with instructions on use, care, and maintenance in written or pictogram form. The instructions shall cover cleaning, drying, storage, rearming, use in below freezing conditions, use by non-swimmers, and other supplemental information. A suggested format for the instructions appears in Figure 49.1. These instructions may be provided in the combined form shown in Figure 49.1 or as multiple markings, sewn tags, or hang tags included on the device.

Figure 49.1
Inflatable PFD use, care, and maintenance instructions

USE, CARE AND MAINTENANCE INSTRUCTIONS

USE:	Any safety considerations specific to the particular design of a device.
MAINTENANCE:	Identification of the specific inflation medium containers to be used, quantity and type of activation devices required, etc. Guidelines on when to retire a device, i.e.: fabric tears or ravelling, open seams, excessive fading, inflation chamber leaks, etc.. Also, required instructions and/or pictograms for the rearming of the inflation systems. The instructions and/or pictograms regarding the rearming shall be equivalent to those used in the evaluation of the system for compliance with UL 1191 and identical to those used for determining compliance with this standard.
CLEANING:	(Shall comply with Federal Trade Commission Rule 16 CFR 423.) (Such as warning against dry cleaning.)
DRYING:	(Shall comply with Federal Trade Commission Rule 16 CFR 423.)
STORAGE:	(Such as instructions to avoid over inflation, exposure to chemicals, storage in direct sunlight or damp areas, etc.)

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