



UL 147

STANDARD FOR SAFETY

Hand-Held Torches For Fuel Gases

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UL Standard for Safety for Hand-Held Torches For Fuel Gases, UL 147

Seventh Edition, Dated March 5, 2015

SUMMARY OF TOPICS

This new edition of ANSI/UL 147 includes editorial revisions and revisions to the Moist Ammonia-air Stress Cracking Test.

The revised requirements are substantially in accordance with Proposal(s) on this subject dated January 16, 2015.

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The requirements in this Standard are now in effect, except for those paragraphs, sections, tables, figures, and/or other elements of the Standard having future effective dates as indicated in the note following the affected item. The prior text for requirements that have been revised and that have a future effective date are located after the Standard, and are preceded by a "SUPERSEDED REQUIREMENTS" notice.

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MARCH 5, 2015

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UL 147



ANSI/UL 147-2015

Standard for Hand-Held Torches for Fuel Gases

The first and second editions were titled LP-Gas Torches. The third edition was titled LP- and MPS-Gas Torches.

First Edition – November, 1970

Second Edition – August, 1973

Third Edition – July, 1984

Fourth Edition – October, 1992

Fifth Edition – September, 1996

Sixth Edition – February, 2005

Seventh Edition

March 5, 2015

This ANSI/UL Standard for Safety consists of the Seventh edition.

The most recent designation of ANSI/UL 147 as an American National Standard (ANSI) occurred on March 5, 2015. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, or effective date information.

The Department of Defense (DoD) has adopted UL 147 on September 26, 1988. The publication of revised pages or a new edition of this Standard will not invalidate the DoD adoption.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <http://csds.ul.com>.

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INTRODUCTION

1 Scope

1.1 These requirements cover hand-held torches of the air aspirating type for operations such as heating, soldering, and brazing.

1.2 Torches covered by these requirements are intended to operate on commercial grade fuel gases other than acetylene as defined in the Standard for Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes, NFPA 51.

1.3 Torches covered by these requirements are intended for direct connection to disposable containers covered in the Standard for Nonrefillable (Disposable) Type Fuel Gas Cylinder Assemblies, UL 147A, Standard for Nonrefillable (Disposable) Type Metal Container Assemblies for Butane, UL 147B, or similar type disposable containers, or as covered by 1.4.

1.4 Torches covered by these requirements may incorporate integral container assemblies which may be refillable.

1.5 LP-Gas torches are intended for use in accordance with the Liquefied Petroleum Gas Code, NFPA 58.

1.6 Torches covered by these requirements shall be permitted to incorporate a hose assembly and shall be permitted to be used with refillable containers greater than 2.71 pound (1.23 kg) water capacity.

2 General

2.1 Components

2.1.1 Except as indicated in 2.1.2, a component of a product covered by this standard shall comply with the requirements for that component.

2.1.2 A component is not required to comply with a specific requirement that:

- a) Involves a feature or characteristic not required in the application of the component in the product covered by this standard, or
- b) Is superseded by a requirement in this standard.

2.1.3 A component shall be used in accordance with its rating established for the intended conditions of use.

2.1.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.