



UL 207

Underwriters Laboratories Inc. Standard for Safety

Refrigerant-Containing Components and Accessories, Nonelectrical



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UL Standard for Safety for Refrigerant-Containing Components and Accessories, Nonelectrical, UL 207

Eighth Edition, Dated April 20, 2009

Summary of Topics

This New Edition of ANSI/UL 207 includes the following:

1. Requirements for Large-Scale Refrigeration Equipment Using R744 (CO₂) as Refrigerant

The following table lists the future effective dates with the corresponding reference.

Future Effective Dates	References
April 22, 2013	Sections 14, 21, and Paragraph 22.10

The new and revised requirements are substantially in accordance with UL's Proposal(s) on this subject dated October 24, 2008.

As indicated on the title page (page 1), this UL Standard for Safety is an American National Standard. Attention is directed to the note on the title page of this Standard outlining the procedures to be followed to retain the approved text of this ANSI/UL Standard.

As indicated on the title page (page1), this UL Standard for Safety has been adopted by the Department of Defense.

The UL Foreword is no longer located within the UL Standard. For information concerning the use and application of the requirements contained in this Standard, the current version of the UL Foreword is located on ULStandardsInfoNet at: <http://ulstandardsinfo.net/ulforeword.html>

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New product submittals made prior to a specified future effective date will be judged under all of the requirements in this Standard including those requirements with a specified future effective date, unless the applicant specifically requests that the product be judged under the current requirements. However, if the applicant elects this option, it should be noted that compliance with all the requirements in this Standard will be required as a condition of continued Listing, Recognition, and Follow-Up Services after the effective date, and understanding of this should be signified in writing.

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This Standard consists of pages dated as shown in the following checklist:

Page	Date
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APRIL 20, 2009

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UL 207

**Standard for Refrigerant-Containing Components and Accessories,
Nonelectrical**

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Eighth Edition

April 20, 2009

This ANSI/UL Standard for Safety consists of the Eighth Edition.

The most recent designation of ANSI/UL 207 as an American National Standard (ANSI) occurred on April 17, 2009. 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 207 on April 30, 1976. 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 nonelectrical refrigerant-containing components and accessories, intended for field installation in accordance with the Safety Code for Mechanical Refrigeration, ASHRAE 15, in refrigeration systems, air conditioning equipment, or both, charged with the refrigerants identified for use in the component or accessory. The requirements also apply to components and accessories intended for use by manufacturers in factory-assembled systems or units, in which case the component or accessory is also judged under the requirements for the individual system or unit.

1.2 These requirements do not apply to:

- a) Electric valves and electric refrigeration controllers, hermetic refrigerant motor-compressors, tubing fittings such as flare or compression type fittings, and the like, which are covered in or as part of separate, individual requirements.
- b) Electrical components of assemblies incorporating these refrigerant-containing components or accessories, and
- c) Pressure vessels bearing the ASME Code "U" symbol which are within the Scope of the ASME Boiler and Pressure Vessel Code, Section VIII.

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.