UL 250

STANDARD FOR SAFETY

Household Refrigerators and Freezers

UL Standard for Safety for Household Refrigerators and Freezers, UL 250

Tenth Edition, Dated November 1, 1993

Summary of Topics

Revisions to the Tenth Edition of UL 250 are being issued to incorporate an effective date for the following clauses and table originally revised on December 7, 2012.

Addition of flame spread/radiant panel test for very thin doors and cabinets and clarification to applicability of current requirement – Clauses 4.8.1.5, 4.8.1.5A, and 9.9.1; Table 4.3

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The revised requirements are substantially in accordance with Proposal(s) on this subject dated May 4, 2012 and September 20, 2012.

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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 preface. 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that have been revised and that have a future effective date are located after the Standard, and are preceded by a ″SUPERSEDED REQUIREMENTS″ notice.

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

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Future Effective Date	Reference
September 30, 2014	Paragraphs 4.8.1.5, 4.8.1.5A, 9.9.1, Table 4.3

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Household Refrigerators and Freezers

November 1, 1993

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The Department of Defense (DoD) has adopted UL 250 on March 23, 1976. The publication of revised pages or a new edition of this Standard will not invalidate the DoD adoption.

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Preface

This is the common UL and CSA Group Standard for Household Refrigerators and Freezers. It is the Fourth edition of CAN/CSA-C22.2 No. 63 Household Refrigerators and Freezers and the tenth edition of UL 250, Household Refrigerators and Freezers.

This common Standard was prepared by CSA Group and Underwriters Laboratories Inc., and the appliance manufacturing industry. The efforts and support of the Canadian Appliance Manufacturers Association (CAMA) and the Association of Home Appliance Manufacturers (AHAM) are gratefully acknowledged.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was reviewed by the CSA Subcommittee of the Technical Committee on Consumer and Commercial Products under the jurisdiction of the CSA Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the CSA Technical Committee.

Note: *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*

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UL Effective Date

As of February 22, 2013 all products Listed or Recognized by UL must comply with the requirements in this Standard except for the Clauses in the following list which have an effective date of September 30, 2014.

Clauses 4.8.1.5, 4.8.1.5A, 9.9.1 and Table 4.3.

Between February 22, 2013 and September 30, 2014 for Clauses 4.8.1.5, 4.8.1.5A, 9.9.1 and Table 4.3, new product submittals to UL may be evaluated under all requirements in this Standard or, if requested in writing, evaluated under presently effective requirements only. The presently effected requirements are contained in this Tenth Edition.

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Household Refrigerators and Freezers

1 Scope

1.1 This Standard applies to self-contained household refrigerators and freezers designed to be installed and used in residential occupancies in accordance with the Canadian Electrical Code, Part I, CSA Standard C22.2, and the National Electrical Code, ANSI/NFPA 70.

1.2 These requirements apply to household refrigerators and freezers intended for connection to 15 or 20 A, 100 to 140 V or 15 A, 200 to 250 V, single phase, alternating-current (ac) circuits; and combination ac/dc circuits or direct-current (dc) circuits where the dc voltage does not exceed 30 V.

1.3 The terms ″appliance″, ″refrigerator″, ″product″, ″equipment″, and ″unit″ are used interchangeably and refer to all household refrigerators, combination refrigerator-freezers, freezers, and refrigerated kitchen units or any part thereof covered by this Standard unless specifically noted otherwise.

1.4 The equipment is air-cooled employing hermetic refrigerant motor-compressors or is of the absorption type employing electricity as a heat source. These requirements apply to (a) freestanding, wall-hung, recessed, and built-in refrigerators and freezers; (b) refrigerators and freezers for use in recreational vehicles; (c) refrigerated kitchen units; and (d) accessories.

1.5 A product that contains features, characteristics, components, materials, or systems new or different from those in use when the Standard was developed, and that involves a risk of fire, electric shock, or injury to persons, shall be evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the level of safety for the user of the product as originally anticipated by the intent of this Standard.

2 Definitions

2.1 For the purpose of this Standard, the following definitions apply.

2.2 **ABSORPTION TYPE REFRIGERATOR** – A refrigerator in which electricity is used as a heat source.

2.3 **ACCESSORY** – An optional electrical device, such as an ice maker, intended for installation in or connection to a refrigerator for the purpose of modifying or supplementing the functions of the refrigerator. It may be factory installed or intended for installation by the user or service personnel.

2.4 **BARRIER** – A partition for the insulation or isolation of electric circuits, for the isolation of electric arcs, or for isolation of moving parts or hot surfaces. In this respect, a barrier may serve as a portion of an enclosure or as a functional part.

2.5 **BOND STRENGTH** – The load applied in tension, compression, flexure, peel, impact, cleavage, or shear, required to break an adhesive assembly with failure occurring in or near the plane of the bond.

2.6 **BUILT-IN REFRIGERATOR (OR FREEZER)** – A recessed type refrigerator (or freezer) intended for slide-in installation, into a confined space and trimmed to blend with room decor.

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