UL 710B

STANDARD FOR SAFETY

Recirculating Systems

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UL Standard for Safety for Recirculating Systems, UL 710B

Second Edition, Dated September 2, 2011

Summary of Topics

This reaffirmation of ANSI/UL 710B dated July 7, 2026 is issued to update the title page to reflect the most recent designation as a Reaffirmed American National Standard (ANS). No technical changes have been made.

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The requirements are substantially in accordance with Proposal(s) on this subject dated May 15, 2026.

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Second Edition

September 2, 2011

This ANSI/UL Standard for Safety consists of the Second edition including revisions through July 7, 2026.

The most recent designation of ANSI/UL 710B as a Reaffirmed American National Standard (ANS) occurred on July 7, 2026. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

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INTRODUCTION

1 Scope

1.1 These requirements cover the following recirculating systems rated 600 volts or less and intended for indoor use:

a) Non-integral recirculating systems for installation in commercial establishments for the preparation of food;

b) Electric commercial cooking appliances provided with integral recirculating systems intended for installation in commercial establishments for the preparation of food; and

c) Vending machines provided with integral recirculating systems.

1.2 These devices incorporate an air filtering system enclosed in a hooded or otherwise contained area intended to capture air from the cooking process area. The hood assembly typically includes a fan, collection hood, or equivalent design and an air filtering system (consisting of a grease filter with or without other filtering means). In addition, except as noted in the Exceptions to 37.1 and 38.1, the hood assembly includes a fire actuated damper, and a fire extinguishing system.

1.3 Recirculating systems covered by these requirements are intended for installation in accordance with:

a) The Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, NFPA 96;

b) The National Electrical Code, ANSI/NFPA 70; and

c) Other codes such as the International Mechanical Code (IMC), and the Uniform Mechanical Code (UMC).

1.4 Integral recirculating systems shall comply with the requirements for the cooking appliance as noted below, except as modified or superseded by the requirements in this Standard.

a) Commercial electric cooking appliances shall comply with the requirements in the Standard for Commercial Electric Cooking Appliances, UL 197.

b) Vending machines shall comply with the requirements in the Standard for Vending Machines, UL 751.

2 Components

2.1 Except as indicated in 2.2, a component of a product covered by this standard shall comply with the requirements for that component. See Appendix A for a list of standards covering components generally used in the products covered by this standard.

2.2 Except as indicated in this clause, a component of a product covered by this standard shall comply with the requirements for that component. See the Standards for Components appendix for a list of standards covering components generally used in the products covered by this standard.

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

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