

**ULC-S647:2005-R2016
(Reaffirmed 2016)**

**STANDARD FOR EXHAUST CLEANING AND RECIRCULATION
ASSEMBLIES FOR COMMERCIAL AND INSTITUTIONAL
KITCHEN EXHAUST SYSTEMS**

Prepared and Published by:



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ASSEMBLIES FOR COMMERCIAL AND INSTITUTIONAL KITCHEN
EXHAUST SYSTEMS**

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REFERENCE PUBLICATIONS

The documents shown below are referenced in the text of this Standard. Unless otherwise stated elsewhere in this Standard such reference shall be considered to indicate the edition and/or revisions of the document available at the date on which the Committee approved this ULC Standard.

Documents Published by the Canadian Standards Association (CSA)
5060 Spectrum Way, Mississauga, ON L4W 5N6 Canada
Telephone: (416) 747-4000 or 1-800-469-6727
www.csa.ca

- CSA C22.1-02, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations.
 - CAN/CSA-C22.2 No.0-M91, General Requirements - Canadian Electrical Code, Part II.
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- CAN/ULC-S112-M90, Standard Method of Fire Test of Fire-Damper Assemblies.
 - CAN4-S111-95 Standard Method of Fire Tests for Air Filter Units.
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Document Published by the United States Department of National Defense
Available from Defense Automation and Product Service, Building 4/D,
700 Robbins Avenue, Philadelphia, PA 19111-5094, TEL: (215) 697-2179

- MIL-STD-282, United States Army DOP (Diocetyl Phthalate) Test Method 102.9.1.
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Codes published by the National Research Council of Canada Publication Sales M20,
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Telephone: (613) 993-2463, or 1-800-672-7990

- 1995 National Building Code of Canada.
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STANDARD FOR EXHAUST CLEANING AND RECIRCULATION ASSEMBLIES FOR COMMERCIAL AND INSTITUTIONAL KITCHEN EXHAUST SYSTEMS

PREFACE

This is the Reaffirmation of the Second Edition of the Standard for Exhaust Cleaning and Recirculation Assemblies for Commercial and Institutional Kitchen Exhaust Systems, ULC-S647.

This Edition of the Standard has been formally approved by the ULC Standards Committee on Kitchen Exhaust Equipment and Systems.

This Standard has been developed in compliance with the requirements of SCC for accreditation of a Standards Development Organization.

Only metric SI units of measurement are used in this Standard. If a value for measurement is followed by a value in other units in parentheses, the second value may be approximate. The first stated value is the requirement.

In Canada, there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

This Second Edition National Standard of Canada has been reaffirmed.

Attention is drawn to the possibility that some of the elements of this Canadian standard may be the subject of patents rights. ULC Standards shall not be held responsible for identifying any or all such patents rights.

Requests for interpretation of this Standard should be sent to ULC Standards. The requests should be worded in such a manner as to permit a “yes” or “no” answer based on the literal text of the requirement concerned.

The review and action to revise or reaffirm this Standard will not exceed 5 years from the date of publication, unless the Standard is identified as fitting within a stabilized category, whereby the review will commence within the appropriate time frame set out by ULC Standards.

This Standard is intended to be used for conformity assessment.

AMENDMENT NOTICE

UNDERWRITERS' LABORATORIES OF CANADA

STANDARD FOR EXHAUST CLEANING AND RECIRCULATION ASSEMBLIES FOR COMMERCIAL AND INSTITUTIONAL KITCHEN EXHAUST SYSTEMS	ULC-S647-05
AMENDMENT 1	DATE OF AMENDMENT: JULY 2006

The following amendment is being incorporated into ULC-S647-05:

1. Revised Clause 3.5.4

NOTICE

PLEASE NOTE THAT THIS STANDARD INCLUDES AMENDMENT(S). THE CURRENT EDITION OF THIS STANDARD IS NOT VALID UNLESS USED TOGETHER WITH THE AMENDMENT(S).

IT IS POSSIBLE, HOWEVER, THAT CERTAIN CODES WILL REFER TO THE SUPERSEDED EDITION OF THIS STANDARD, WITHOUT THE AMENDMENT(S). IN THOSE INSTANCES, THE COMPILATION OF THIS DOCUMENT ALLOWS FOR REFERENCE TO BE MADE TO THE STANDARD PRIOR TO THE INCLUSION OF THE AMENDMENT(S).

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3.5.4 The lard in the atomizer is then to be heated to a temperature of 200°C, the nozzles opened and the exhaust hood placed in operation. The sizings of the nozzles are to be such that grease will be discharged at the rate of 0.75 L/h/m width of the exhaust hood. The grease discharge should be in the form of a fine mist that may be drawn into the grease extraction devices rather than a spray directed at the devices.
