

STANDARD INFORMATION

Standard: UL 710

Standard ID: Exhaust Hoods for Commercial Cooking Equipment [UL 710:2012 Ed.6+R:16Feb2021]

Previous Standard ID: Exhaust Hoods for Commercial Cooking Equipment [UL 710:2012 Ed.6+R:20Aug2019]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **April 30, 2023**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard.

Overview of Changes:

- Addition of UL 8782 requirements for pollution control units
- Revision of integrated ventilator requirements

Specific details of new/revisted requirements are found in table below.

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



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CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i>
Entire Standard		<p>UL 8782, Outline of Investigation for Pollution Control Units for Commercial Cooking has been published. All products currently certified to UL 710 that fall under the scope of UL 8782 will need to be additionally certified to UL 8782 prior to the effective date.</p> <p>Scope of UL 8782:</p> <p>These requirements cover commercial pollution control unit assemblies that are intended to be installed in line with commercial grease ducts used to exhaust heat, smoke, and grease-laden vapors from commercial cooking operations to the outdoors as specified in the Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, NFPA 96, the International Mechanical Code, and the Uniform Mechanical Code.</p>
7	Info	Accessibility of Uninsulated Live Parts, Film-Coated Wire, and Moving Parts
7.1		Each uninsulated live part or moving part, such as a belt, coupling, fan, gear, pulley, and shaft that results in risk of electric shock or injury to persons shall be located, guarded, or enclosed so as to reduce unintentional contact by service personnel or other persons performing mechanical or electrical service functions that are to be performed while the product is energized. <u>Parts or assemblies which can be removed without the use of tools are not to be considered a guard.</u>
7.7A		<i>New clause added;</i> Electrical components with electrical connections shall be readily inspectable after installation of the exhaust hood.
27A		<i>New section added;</i> Exhaust Hoods with Integral Power Ventilators
27A.1		Power ventilators integral to the hood used to remove exhaust air shall comply with the requirements in the Standard for Power Ventilators, UL 705, including the applicable requirements for restaurant exhaust applications.
27A.2		Power ventilators integral to the hood are considered to comply with the requirements in 27A.1 when complying with the following: a) Power ventilator complies with UL 705, b) An open type motor shall not be exposed to grease-laden air, and c) The entire unit complies with all the tests in Sections 34 – 39 of this standard.



CLAUSE	VERDICT	COMMENT
30	Info	Test installation
30.9		The exhaust hood shall be connected to an exhaust duct which shall be connected to a power ventilator sufficiently sized to exhaust at the rates needed to complete all tests. <u>rates for the tests shall be provided by a power ventilator, either internal or connected by an exhaust duct.</u>
35	Info	Cooking Smoke and Flare-Up Test
35.3		The exhaust air flow is to be adjusted to produce the minimum air flow through the exhaust hood specified by the manufacturer. The exhaust air flow is to be measured as described in 30.10 with the cooking appliance in the unheated state or removed from beneath the hood. <u>When the hood is provided with an integral power ventilator, the outlet shall be uniformly restricted to simulate the maximum external static pressure.</u>
		<i>New section added;</i>
		Rain Test
44A		The rain test apparatus shall consist of three spray heads mounted in a water supply rack as shown in Figure 44A.1. The spray heads shall be constructed in accordance with Figure 44A.2. The product shall be brought into the focal area of the three spray heads in such position, and under such conditions, that the greatest quantity of water will enter the product. See standard for details.
	Info	MARKING
51	Info	General
51.1		The following information shall be permanently marked on each exhaust hood where it is visible after installation: <u>m) Exhaust hoods with integral ventilators shall be marked with maximum external static pressure for which it was tested (see 35.3).</u>