# STANDARDS UPDATE NOTICE (SUN)
# ISSUED: February 26, 2025

## STANDARD INFORMATION

**Standard:** UL 710
**Standard ID:** Exhaust Hoods for Commercial Cooking Equipment [UL 710:2024 Ed.7]
**Previous Standard ID:** Exhaust Hoods for Commercial Cooking Equipment [UL 710:2012 Ed.6+R:16Feb2021]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **April 26, 2026**

## 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. Reports not updated to this version by the effective date above will be withdrawn.

Note: the 7th edition of UL 710 is harmonized with the 4th edition of ULC 646.

**Overview of Changes:** Specific details of new/revised requirements are found in table below.

- New requirements for internal wiring
- New requirements for overcurrent protection
- New requirements for the abnormal water supply test
- New requirements for ultraviolet radiation systems for use in the ventilation control of commercial cooking operations

Specific details of new/revised 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.***

## STANDARD INFORMATION

| CLAUSE | VERDICT | COMMENT |
|---|---|---|
| | | *Additions to existing requirements are <u>underlined</u> and deletions are shown ~~lined out~~ below.* |
| | | |
| 18 | Info | **Internal Wiring** |
| 18.1 | Info | **General** |
| 18.1.8 | | ***New clause added;***<br><br>Conductors used in hazardous voltage circuits and extra-low-voltage safety circuits shall be selected from Table 18.1 in accordance with the circuit requirements for conductor size, voltage, and temperature rating. |
| 18.1.9 | | ***New clause added;***<br><br>Wiring shall be enclosed in metal clad cable, conduit, electrical metallic tubing, or metal raceways, control boxes, or the equivalent. Appropriate fittings shall be used. Wiring of the types referenced in Groups B or C of Table 18.1 may be employed in lieu of enclosed wiring, provided the requirements of 18.1.10 are met.<br><br>Exception: Wiring of the types in Group A of Table 18.1 may be employed if secured and supported to prevent damage and the requirements of 18.1.10 are met. |
| 18.1.10 | | ***New clause added;***<br><br>Cords or appliance wiring material, used in the cabinet of equipment, shall be suitably enclosed so as to prevent damage to the wiring, ignition of combustible material, or emission of flame or molten metal through openings in the cabinet. Such wiring is suitably enclosed when the cabinet or compartment enclosing the wiring has:<br><br>a) No openings in the bottom, unless a U-shaped channel or trough is located beneath the wiring, and the wires do not project through the plane of the top of the channel or trough. A bottom closure is provided:<br>1) If the bottom opening is always intended to be connected to a supply or return indoor air duct; and the unit includes space heating means (electric heater, hot water, or steam heating coil); or<br>2) If the unit is intended only for nonresidential applications and is so marked, except those openings intended only for conduit or piping; or<br>3) If the bottom opening is provided with a finned coil construction at least two rows in depth and with at least 12 fins per 25.4 mm (1 in); or<br>4) If the bottom opening complies with Figure 23.1 and 23.4 of UL 1995; or |

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| | | 5) The bottom opening complies with the requirements of the tests specified in Appendix B of UL 1995;<br>b) No louvre or openings, other than duct openings, that will permit the probe (Figure 7.1), of UL 1995 when applied in a straight line, to contact wiring; and<br>c) No combustible material other than electrical insulation within the enclosure. Air filter may be employed within the enclosure.<br><br>Exception: The separation specified in (b) does not apply to wiring located above openings in the bottom enclosure of a unit for outdoor installation, provided that such openings comply with the requirements of Clause 20.10, of UL 1995. |
| 22 | Info | **Overcurrent Protection** |
| 22.2 | | Circuit breakers shall clearly indicate whether they are in the open "off" or closed "on" position. Where circuit breaker handles are operated vertically rather than rotationally or horizontally, the "up" position of the handle shall be the "on" position. Circuit breakers shall comply with UL 489, or CSA C22.2 No. 5. |
| 22.3 | | ***New clause added;***<br><br>A protective device integral with the motor that complies with UL 2111, or UL 1004-1 (and CSA C22.2 No. 77) and UL 1004-3 (and CSA C22.2 No. 77). An impedance-protected motor shall comply with UL 1004-1 and UL 1004-2. An electronically protected motor shall comply with UL 1004-1 and UL 1004-7 (and CSA C22.2 No. 77). When an impedance-protected motor is used, it shall not be installed in a compartment handling air for circulation through a duct unless smoke is not generated under any required test condition while the rotor of the motor is locked. |
| 22.5 | | ***New clause added;***<br><br>Fuseholders shall comply with UL 4248-5 or CSA C22.2 No. 4248-5. |
| 22.6 | | ***New clause added;***<br><br>Fuses shall comply with UL 248-1 and CSA C22.2 No. 248.1-00 and one of the following standards:<br><br>a) UL 248-2 and CSA C22.2 No. 248.2 or;<br>b) UL 248-3 and CSA C22.2 No. 248.3 or;<br>c) UL 248-4 and CSA C22.2 No. 248.4 or;<br>d) UL 248-5 and CSA C22.2 No. 248.5 or;<br>e) UL 248-6 and CSA C22.2 No. 248.6 or;<br>f) UL 248-7 and CSA C22.2 No. 248.7 or;<br>g) UL 248-8 and CSA C22.2 No. 248.8 or;<br>h) UL 248-9 and CSA C22.2 No. 248.9 or;<br>i) UL 248-10 and CSA C22.2 No. 248.10 or;<br>j) UL 248-11 and CSA C22.2 No. 248.11 or;<br>k) UL 248-12 and CSA C22.2 No. 248.12 or;<br>l) UL 248-13 and CSA C22.2 No. 248.13 or;<br>m) UL 248-14 and CSA C22.2 No. 248.14 or; |

| CLAUSE | VERDICT | COMMENT |
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| | | n) UL 248-15 and CSA C22.2 No. 248.15 or;<br>o) UL 248-16 and CSA C22.2 No. 248.16. |
| 25 | Info | **Switches and Controllers** |
| 25.5 | | ***New clause added;***<br><br>A clock-operated switch, in which the switching contacts are actuated by a clock-work, by a geartrain, by electrically-wound spring motors, by electric clock-type motors, or by equivalent arrangements shall comply with:<br><br>a) CSA C22.2 No. 177, and UL 917; or<br>b) CSA E60730-1, CSA E730-2-7; and, UL 60730-1, UL 60730-2-7. |
| 25.6 | | ***New clause added;***<br><br>Enclosed and dead front switches shall comply with CSA C22.2 No. 4-04 and UL 98. |
| 40 | Info | **Abnormal Water Supply Test** |
| 40.1 | | ***New clause added;***<br><br>An exhaust hood, employing water for flushing, cleaning, cooling, continuously wetting surfaces, etc., shall conform to the requirements of Section 35, Temperature Test, and Section 36, Cooking Smoke and Flare-Up Test, through to Section 39, Fire Test, under any condition of reduced water supply and also with no water supply. |
| | Info | **CONTROL UNIT TESTS** |
| 51 | Info | **General** |
| 51.2 | | ***New clause added;***<br><br>Control units doing regulating only shall comply with one of the following requirements:<br><br>a) CSA C22.2 No. 14, in Canada and UL 508, in the United States.<br>b)The following test parameters shall be among the items considered when judging the acceptability of an operating control investigated using UL 60730-1 and, E60730-1:<br>1) Control action Types 1 or 2;<br>2) Unless otherwise specified in this Standard, manual and automatic controls shall be tested for 6,000 cycles with under maximum normal load conditions, and 50 cycles under overload conditions.<br>3) Installation class 2 per IEC 61000-4-5;<br>4) For the applicable Overvoltage Category, see Table 51.1;<br>5) For the Applicable Material Group, see Table 51.2;<br>6) For the Applicable Pollution Degree, see Table 51.3. |

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| | Info | **MARKINGS** |
| 54 | Info | **General** |
| 54.1 | | The following information shall be permanently marked on each exhaust hood where it is visible after installation:<br><br>a) Exhaust hood (for commercial and institutional kitchens);<br>b) The classification, (i.e. filter type or grease extractor type hood);<br>c) This hood is provided with the following features as appropriate:<br>1) Wash system<br>2) Filter units<br>3) Lighting fixtures<br>4) Make-up air fire dampers<br>5) Make-up air plenum<br>6) Exhaust duct temperature limited by*<br>* Method employed such as fire damper<br><br>g) The voltage rating, frequency, and total current in amperes of the exhaust hood. If the exhaust hood includes more than one circuit to be applied by individual external supply circuits, the current of each circuit shall be indicated. The current rating may be shown as "overall rating 12 A or less" on appliances operating on 115 230 V, single phase, if the input of any style of the model is not more than 12 A; |
| 54.9 | | ***New clause added;***<br><br>When extinguishing systems are supplied as factory installed equipment, a statement describing the extent of coverage provided shall be prominently displayed adjacent to the extinguishing agent container. |
| Annex A | | ***New annex added;***<br><br>**Ultraviolet Radiation Systems for Use in the Ventilation Control of Commercial Cooking Operations**<br><br>These requirements cover ultraviolet (UV) radiation lamp systems used for the reduction of grease laden vapors from commercial cooking equipment when installed within Exhaust Hoods for Commercial Cooking Equipment.<br><br>See standard for details. |