

STANDARD INFORMATION

Standard: CSA E60335-2-65

Standard ID: Household and Similar Electrical Appliances - Safety - Part 2-65: Particular Requirements for Air-Cleaning Appliances [CSA E60335-2-65:2011 Ed.2+A2]

Previous Standard ID: Household and Similar Electrical Appliances - Safety - Part 2-65: Particular Requirements for Air-Cleaning Appliances [CSA E60335-2-65:2011 Ed.2]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **June 1, 2027**

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 Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes:

- New markings and instructions
- New requirements for radiation, toxicity and similar hazards
- New requirements for UV radiation and conditioning

Specific details of new/revise 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
6	Info	Classification
		<i>New clause added;</i>
6.1		Appliances shall be class I with respect to protection against electric shock.
7	Info	Marking and instructions
		<i>New clause added;</i>
		UV radiation air-cleaning appliances containing replaceable UV-C emitters shall be marked with the type reference of the emitter and with the substance of the following warning:
7.1		WARNING: UV radiation is dangerous for the eyes and skin. Do not operate the UV-C emitter outside the appliance.
		If it is intended that replacement of the UV-C emitter can be carried out by the user, the appliance shall be marked with “Read the instructions” or with symbol ISO 7000-0790 (2004-01).
		<i>New clause added;</i>
		The instructions shall include details for cleaning and other user maintenance of the appliance. They shall state that prior to cleaning or other maintenance, the appliance must be disconnected from the supply mains.
		<u>The instructions for UV radiation air-cleaning appliances shall give details concerning:</u>
7.12		<u>– the method, frequency of cleaning, and necessary precautions to be taken;</u> <u>– precautions to be taken when replacing UV-C emitters and starters, if applicable.</u> <u>The instructions of appliances containing UV-C emitters shall contain the substance of the following:</u> <u>– This appliance contains a UV-C emitter.</u> <u>– Unintended use of the appliance or damage to the housing may result in the escape of dangerous UV-C radiation. UV-C radiation may, even in little doses, cause harm to the eyes and skin.</u> <u>– Appliances that are obviously damaged must not be operated.</u> <u>– If the replacement of the UV-C emitter by the user is not allowed, this must be clearly stated.</u>



CLAUSE	VERDICT	COMMENT
		<p><u>The instructions of appliances containing replaceable UV-C emitters shall also contain the substance of the following:</u></p> <p><u>– Read the maintenance instructions before opening the appliance;</u> <u>– The appliance must be disconnected from the supply before replacing the UV-C emitter.</u></p>
		<p><i>New clause added;</i></p>
7.101A		<p>The highest ozone level as measured in Clause 32 shall be posted on a label, both on the unit and the outer packaging, using the following statements:</p> <p>a) “The 8 h TWA (time-weighted average) for ozone for this product is [XX] ppmv (parts per million by volume) when tested in a 30 m³ chamber”; and b) “Refer to safety instructions in manual for more information.”</p>
		<p><i>New clause added;</i></p>
		<p>Where required, the air cleaners shall be marked in English and French with the following or equivalent wording:</p>
7.101B		<p>a) CAUTION: DO NOT DEFEAT INTERLOCK and ATTENTION: NE PAS NUIRE À L’ACTION DU VERROUILLAGE DE SÉCURITÉ. b) WARNING: DISCONNECT POWER SUPPLY BEFORE SERVICING and AVERTISSEMENT: COUPER L’ALIMENTATION AVANT DE PROCÉDER AU DÉPANNAGE c) WARNING: WAIT ___ SECONDS BEFORE OPENING PANEL and AVERTISSEMENT: ATTENDRE ___ SECONDES AVANT D’OUVRIR LE PANNEAU. d) CAUTION: MOUNT WITH THE LOWEST MOVING PARTS AT LEAST 2.5 m ABOVE FLOOR OR GRADE LEVEL and ATTENTION: INSTALLER DE SORTE QUE LES PIÈCES MOBILES INFÉRIEURES SOIENT À AU MOINS 2.5 m AU-DESSUS DU PLANCHER OU DU SOL. e) CAUTION: THIS CELL WEIGHS ___ kg. HANDLE WITH CARE WHEN REMOVING FOR CLEANING OR SERVICING and ATTENTION: CE FILTRE PÈSE ___ kg. ENLEVER AVEC SOIN POUR LE NETTOYAGE OU L’ENTRETIEN.</p>
		<p><i>New clause added;</i></p>
7.101C		<p>In addition to the marking requirements of Clause 7.101B, the following shall be marked in English and French in a permanent and visible manner on air cleaners intended for commercial use:</p> <p>a) CAUTION: HIGH LEVELS OF OZONE CAN BE INJURIOUS TO HEALTH. USE AS DIRECTED IN A LOCATION NO SMALLER THAN INDICATED IN THE INSTALLATION INSTRUCTIONS and ATTENTION: DES NIVEAUX ÉLEVÉS D’OZONE PEUVENT ÊTRE</p>



CLAUSE	VERDICT	COMMENT
22	Info	<p>NOCIFS. RESPECTER LES CONSIGNES ET UTILISER DANS UN ENDROIT QUI N'EST PAS INFÉRIEUR QU'INDIQUÉ DANS LES INSTRUCTIONS D'INSTALLATION.</p> <p>b) FOR COMMERCIAL USE ONLY. NOT FOR RESIDENTIAL USE and POUR USAGE COMMERCIAL UNIQUEMENT. NE CONVIENT PAS POUR USAGE DOMESTIQUE.</p> <p>c) CERTIFIED FOR SHOCK AND ELECTRICAL FIRE HAZARD ONLY and CERTIFIÉ UNIQUEMENT DU POINT DE VUE DE LA PROTECTION CONTRE LES CHOCS ET LES INCENDIES D'ORIGINE ÉLECTRIQUE.</p>
22.103		<p><i>New clause added;</i></p> <p>UV radiation air-cleaning appliances shall not emit UV radiation in hazardous amounts:</p> <ul style="list-style-type: none">– before, during or after installation;– during operation;– during maintenance;– during cleaning;– during replacement of the UV-C emitter. <p>Compliance is checked by inspection and by the tests of Clause 32. If a switch is used to deenergize the UV-C emitter so as to meet the requirement, it shall not be possible to operate the switch with test probe B of IEC 61032.</p>
22.104		<p><i>New clause added;</i></p> <p>If the replacement of the UV-C emitter is allowed by the user, the appliance shall be constructed so that</p> <ul style="list-style-type: none">– the replacement of the UV-C emitter is easily possible;– if screws or components are omitted or incorrectly positioned or fastened, the appliance is rendered inoperable or manifestly incomplete;– the UV-C emitter is deactivated by an interlock actuated by opening or removing of a part to gain access. <p>Compliance is checked by inspection and by manual test.</p>
22.105		<p><i>New clause added;</i></p> <p>If the replacement of the UV-C emitter by the user is not intended, this shall be prevented by the construction of the appliance.</p> <p>Compliance is checked by inspection and, if necessary, by manual test.</p>



CLAUSE	VERDICT	COMMENT
		<i>New clause added;</i>
22.106		Parts of organic material that are exposed to direct or reflected UV-C radiation shall be UV-C resistant. Compliance is checked by inspection and, if necessary, by manual test.
23	Info	Internal wiring
		<i>New clause added;</i>
23.101		Internal wiring that is exposed to direct or reflected UV-C radiation shall be UV-C resistant. Compliance is checked by the following test. Samples of the internal wiring are conditioned in accordance with Annex AA. On completion of the conditioning, the cable is wrapped in metal foil and is wound around a conductive mandrel 15 mm in diameter for three turns. A voltage of 2 000 V is applied for 15 min between the conductor and the mandrel. There shall be no break down.
		<i>New section added;</i>
32		Radiation, toxicity and similar hazards The ozone concentration produced by ionization shall not be excessive. See standard for details.
		<i>New annex added;</i>
Annex AA		UV radiation conditioning Ten samples of the internal wiring are subjected to ultraviolet light conditioning according to Clause AA.2 or AA.3. When the internal wiring is provided in more than one colour, ten samples of each colour are subjected to this conditioning. See standard for details.