Standards Update Notice (SUN)

Issued: March 1, 2017

Standard Information

CAN/CSA-C22.2 No. 60335-2-44 replaces the previous edition published in 2001 as CAN/CSA-E60335-2-44 and shall supersede CSA C22.2 No. 99

Superseded Standard
Number: CSA C22.2 No. 99
Name: Construction and test of domestic electric ironing machines
Edition and Issue Date: All Editions

Superseding Standard
Standard Number: CAN/CSA-C22.2 No. 60335-2-44:14
Standard Name: Household and similar electrical appliances — Safety — Part 2-44: Particular requirements for ironers
Standard Edition and Issue Date: 1st Edition Dated February 1, 2014

Effective Date of New/Revised Requirements

Effective Date: **February 22, 2018**

Impact, Overview, and Action Required

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revised requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.

Overview of Changes: New ironers, ironers currently Certified to a previous edition of the subject standard (E335-2-44 or E60335-2-44) and ironers currently Certified to C22.2 No. 99 are required to comply with the requirements of CAN/CSA-E60335-2-44:14 prior to the effective date.

Technical changes between CAN/CSA-E60335-2-44:01 and CAN/CSA-60335-2-44:14 are found in table below.

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Client Action Required:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revised paragraphs noted in the attached or explain why these new/revised requirements do not apply to your product (s).

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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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Description of New/Revised Technical Requirements

Clause	Verdict	Comment
--	--	**New requirement for types of classes based on installation of the product.**
6.1		*Added;* Stationary appliances shall be Class I. All other appliances shall be Class I, Class II, or Class III.
--	--	**New requirements and test for manual release mechanisms.**
7.2A		Where required by Clause 22.109B.3, the actuating member of the release shall be marked “Release” or the equivalent, with an indication of the direction in which force must be applied to effect the release.
22.109B		New section added;
22.109B.1		Appliances shall be provided with a reliable and readily operable manual release mechanism that functions independently of the connection of the machines to the supply. Compliance is checked by inspection and by the criteria specified in Clauses 22.109B.2 to 22.109B.4.
22.109B.2		The actuating member by which the release is operated shall be located so that it will be readily accessible from either side or either end of the appliance. NOTE: In determining whether or not the accessibility of the actuating member is acceptable, consideration is given to the size and type of the machine. In the case of a small rotary ironer, in which the pressure of the shoe against the roll is accomplished by manual means only, an operating member at one end is considered to comply with the intent of this requirement.
22.109B.3		Unless the construction and location of the actuating member are such that its function is entirely obvious (i.e., the handle, lever, or the like is such that it is plainly evident that it is the actuating member of the release), the actuating member shall be marked in accordance with Clause 7.2A.
22.109B.4		A force of 44 N applied to the actuating member in the intended manner shall be sufficient to trip the release mechanism under any condition of operation of the machine. If the intended manner is a push force, the force shall be applied by means of test probe 11 of IEC 61032. If it is a pull force, it shall be applied by a suitable means, such as a suction cup or hook, so that the test results are not affected.
--	--	**New requirement that socket outlets be provided on stationary equipment only.**
22.52		*New clause added;* Socket outlets shall be provided on stationary appliances only.
--	--	**New requirements for rotary ironers.**
22.101		**Rotary ironers** shall be constructed so that the feed aperture has a width not exceeding 8 mm during operation and a width of at least 20 mm when the surfaces are fully separated. **Rotary ironers** having surfaces that are lowered and raised by a motor, shall be constructed so that the surfaces separate as soon as the closing force is released. It shall be possible to separate the surfaces when the supply mains is interrupted.

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Clause	Verdict	Comment
22.108		**Rotary ironers** shall be constructed so that when the means for separating the surfaces is actuated, the roller shall stop before it has rotated more than 10 mm. **Rotary ironers** having surfaces that are lowered and raised by a motor shall be constructed so that the surfaces separate as soon as the closing force is released. *Compliance is checked by the following test.* *The appliance is supplied at **rated voltage** with the surfaces in the closed position. The means for separating the surfaces is then actuated. The surfaces shall separate as soon as the closing force is released and the roller shall stop before it has rotated more than 10 mm.* *If compliance relies on the operation of an **electronic circuit**, the appliance is supplied at **rated voltage** with the surfaces in the closed position and is further tested as follows.* *The electromagnetic phenomena test of 19.11.4.2 and 19.11.4.5 are applied in turn. During application of the electromagnetic phenomena tests, the means for separating the surfaces is actuated. The surfaces shall immediately separate and the roller shall stop before it has rotated more than 10 mm.* *The fault conditions in a) to g) of 19.11.2 are applied one at a time to the **electronic circuit**. During application of each of the fault conditions, the means for separating the surfaces is actuated. The surfaces shall immediately separate and the roller shall stop before it has rotated more than 10 mm.* *If the **electronic circuit** is programmable, the software shall contain measures to control the fault/error conditions specified in Table R.1 and is evaluated in accordance with the relevant requirements of Annex R.*
--	--	**New requirements for ironing presses intended for direct operation by both hands.**
22.102		**Ironing presses** shall be constructed so that the pressing surfaces are held in contact with each other by using a hand, elbow, knee or foot and so that they separate when the closing force is released. The pressing surfaces of **ironing presses,** intended for direct operation by both hands, may be locked in contact with each other and shall be constructed so that the pressing surfaces can be separated without using the hands, even when the supply mains is interrupted. *Compliance is checked by inspection and by manual test.*
22.109		The pressing surfaces of **ironing presses,** intended for direct operation by both hands, may be locked in contact with each other provided that the heating elements are automatically switched off within 15 s by non-self-resetting means and the pressing surfaces separate when the locking means is released. *Compliance is checked by the following test.* *The appliance is supplied at **rated voltage** with the surfaces locked in contact with each other. When the locking means is released, the surfaces shall immediately separate and the heating elements shall automatically be switched off within 15 s by a non-self-resetting means.*

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Clause	Verdict	Comment
		*If compliance relies on the operation of an **electronic circuit**, the appliance is supplied at **rated voltage** with the surfaces locked in contact with each other and is subjected to the following tests. The electromagnetic phenomena test of 19.11.4.2 and 19.11.4.5 are applied in turn. During application of the electromagnetic phenomena tests, the locking means is released. The surfaces shall immediately separate and the heating elements shall automatically be switched off within 15 s by a non-self-resetting means.* *The fault conditions in a) to g) of 19.11.2 are applied one at a time to the **electronic circuit**. During application of each of the fault conditions, the locking means is released. The surfaces shall immediately separate and the heating elements shall automatically be switched off within 15 s by a non-self-resetting means.* *If the **electronic circuit** is programmable, the software shall contain measures to control the fault/error conditions specified in Table R.1 and is evaluated in accordance with the relevant requirements of Annex R.*
--	--	**New requirement for pilot lights.**
22.109A		If switches are used to interrupt motor circuits without interrupting heater circuits, a pilot light shall be provided indicating that the heater is in the "on" position. The pilot light shall not cycle with a heater-element thermostat, temperature limiter, or thermal cut-out. Compliance is checked by inspection.
--	--	**New requirement for supply cord types and foot switch cord types and ampacity.**
25.7		Supply cords for Class I and Class II products and flexible cords used to connect a foot switch to an appliance shall be suitable for hard usage or extra-hard usage in accordance with Table 11 of the *Canadian Electrical Code, Part I*. NOTE: Examples of suitable cords for compliance with this clause are types SJ and SJT flexible cords.
25.8DV.1.1		Ampacities of flexible cords used to connect a foot switch to an appliance shall not be less than the current through the cord when the switch is in use in normal operation.
--	--	**New requirement for programmable electronic circuits – Annex R.**
R.2.2.5		For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in Table R.1 or Table R.2, detection of a fault/error shall occur before compliance with Clauses 19, 22.108 and 22.109 is impaired.
R.2.2.9		The software and safety-related hardware under its control shall be initialized and shall terminate before compliance with Clauses 19, 22.108 and 22.109 is impaired.
		CUSTOMERS PLEASE NOTE: This Table and column "Verdict" can be used in determining how your current or future production is or will be in compliance with new/revised requirements.