

STANDARD INFORMATION

Standard: ULC 628

Standard ID: Standard for Fireplace Inserts and Hearth-Mounted Stoves [CAN/ULC 628:2022 Ed.4]

Previous Standard ID: Standard for Fireplace Inserts (R2016) [ULC S628:1993 Ed.1]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **April 7, 2024**

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 Reports not updated to this version by the effective date above will be withdrawn.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 requirements for screens
- New requirements for doors
- New installation and markings requirements
- Revisions to the crib test

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
5	Info	Electrical Features <i>New clause added;</i>
5.1		The electrical features of fireplace inserts shall comply with CAN/CSA-C22.2 No. 60335-2-102, Household and Similar Electrical Appliances – Safety – Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections.
6	Info	Assembly
6.7	Info	Assembly <i>New clause added;</i>
6.7.1		When provided a fire screen or screens, shall include a mesh having a maximum opening size of 6.4 mm and capable of covering all fire chamber openings.
6.8		<i>New section added;</i> Doors
6.8.1		A fireplace insert may be equipped with integral door(s) or shutter(s) designed to close off the fire chamber from the living space.
6.8.2		Those portions of a handle or knob that are subjected to contact on a fireplace shall be smooth and rounded.
6.8.3		All doors, or any removable screens incorporating glass components, shall be provided with means to positively secure the door or screen in the closed position.
8	Info	Installation Instructions
8.2		The instructions shall be illustrated and shall include such directions and information for proper and safe installation and maintenance, <u>including the parts and materials required and the step-by-step process for the installation of the hearth extension for a fireplace insert or hearth-mounted stove.</u> NOTE: Manufacturer's instructions shall be written in such a manner that all unclear verbiage is explained. i.e.: definition of R or K values required.



CLAUSE	VERDICT	COMMENT
		The instructions shall include particular details concerning:
8.4		<p>g) <u>Instruction that when an insert or hearth-mounted stove is installed in a fireplace, the installation shall be made to minimize the passage of room air into the chimney cavity or cavities.</u></p> <p>h) <u>A warning that the insert shall not be installed in a factory-built fireplace;</u></p>
		<i>New clause added;</i>
8.5		The instructions shall make reference to the manufacturer's catalogue designations or the equivalent, of the fireplace insert and related parts, and shall include the manufacturer's name and address.
		<i>New section added;</i>
		Operating Instructions
9		Complete operating instructions shall be provided by the manufacturer. The operating instructions shall include directions concerning the following: See standard for details.
10	Info	Performance
10.1	Info	Test installation
10.1.3		<u>The test installation is to be made in a structure as illustrated by Figure 10.1, constructed to accommodate the fireplace insert as it is to be tested and complying with the requirements of CSA A405, Design and Construction of Masonry Chimneys and Fireplaces. The test enclosure should be designed to meet building code requirements.</u>
10.4	Info	Test No. 2 – Crib test
10.4.5		<u>After ignition, one crib is to be added every 5 7.5 min interval, or at a slower or faster rate, in order that a fire resulting in the maximum flue gas temperatures can be maintained. The refuelling rate is to be such that there is an ember build up to a level of one-half of the fire chamber opening height consistent with maintaining the maximum flue gas temperature. Ashes are not to be removed from the hearth unless an ashpan is provided, and then only at every second refuelling.</u>
11	Info	MARKING
		The following information shall be incorporated on a metal plate fastened to a major segment of the assembly, to provide a permanent marking:
11.1		<p>a) The manufacturer's identification and model designation;</p> <p>b) A statement requiring that the manufacturer's instructions are to be followed;</p> <p>c) A statement requiring the use of the provided insulation materials;</p> <p>d) Types of fuel (including type of coal) to be used;</p> <p>e) The identification and use of components essential for a safe installation;</p>



CLAUSE	VERDICT	COMMENT
		<p>f) <u>Requirements for floor protectors; Manufacturer’s instructions shall be written in such a manner that all unclear verbiage is explained. i.e.: definition of R or K values required</u></p> <p>g) <u>Requirements for clearances: Manufacturer’s instructions shall be written in such a manner that all unclear verbiage is explained, i.e.: definition of side or top trim = any protrusions, in the wall, less than 1.5” anything over that measurement = a side wall;</u></p> <p>h) <u>“CAN/ULC 628”; and</u></p> <p>i) <u>Where the fireplace insert is equipped with glass components, the following statements:</u></p> <p><u>“Replace glass only with '*' glass"</u> <u>« Remplacer les vitres uniquement par du verre '*' »</u></p> <p><u>* Select appropriate material from the following:</u></p> <p><u>1) Fully Tempered Soda-Lime / à base de soude et de chaux entièrement trempé</u> <u>2) Borosilicate / de borosilicate</u> <u>3) Tempered Borosilicate / de borosilicate trempé</u> <u>4) Ceramic / de céramique</u> <u>5) Silica / de silice</u></p> <p><u>NOTE: Users should be aware that the authority having jurisdiction may also require the mark of the certifying agency be included on the product.</u></p>
11.3		<p><i>New clause added;</i></p> <p>All markings, unless otherwise required to be placed at a specific location, shall be grouped together and located where they are visible after the insert is installed.</p>
11.4		<p><i>New clause added;</i></p> <p>The markings shall be distinct, legible and shall be one of the following:</p> <p>a) Molded; b) Die-stamped; c) Paint stenciled, stamped, embossed, engraved or etched in metal that is permanently secured; or d) Indelibly stamped on a pressure-sensitive label.</p>
11.5		<p><i>New clause added;</i></p> <p>Other materials of equivalent durability and alternate methods of attachment are permissible provided that the label is affixed to the insert in a manner that will destroy the label if removed.</p>



CLAUSE	VERDICT	COMMENT
		<i>New clause added;</i>
11.6		If a pressure-sensitive label, ink, paint-stenciling or other method is used, it shall comply with the requirements of CSA-C22.2 No. 0.15, Adhesive Labels or UL 969, Standard for Marking and Labeling Systems.
