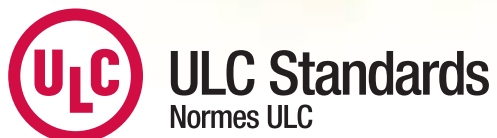


**ULC-S628-93
(Reaffirmed 2016)**

STANDARD FOR FIREPLACE INSERTS

Prepared and Published by:



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STANDARD FOR FIREPLACE INSERTS

ICS 91.140.20

Prepared and Published by:



First Edition	October 1981
Second Edition	October 1982
Third Edition	May 1993
Amended	May 1997
REAFFIRMED	FEBRUARY 2016

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REFERENCE PUBLICATIONS

The documents shown below are referenced in the text of this Standard. Unless otherwise stated elsewhere in this Standard such reference shall be considered to indicate the edition and/or revisions of the document available at the date on which the Committee approved this ULC Standard.

Document Published by the American Society for Testing and Materials (ASTM)
100 Barr Harbour Drive, PO Box C700, West Conshohocken, PA 19428-2959 U.S.A.
Telephone: (610) 832-9585
www.astm.org

- ASTM A525-93 Specification for General Requirements for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process

Documents Published by the Canadian Standards Association (CSA)
5060 Spectrum Way, Mississauga, ON L4W 5N6 Canada
Telephone: (416) 747-4000 or 1-800-469-6727
www.csa.ca

- CSA C22.2 No. 3, Electrical Features of Fuel-Burning Equipment
- CSA C22.2 NO. 113-M1984 (R1999), Fans and Ventilators

Documents Published by Underwriters' Laboratories of Canada (ULC)
7 Underwriters Road, Toronto, ON M1R 3B4 Canada
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- CAN/ULC-S635, Standard for Lining Systems for Existing Masonry or Factory-Built Chimneys and Vents
 - CAN/ULC-S640, Standard for Lining Systems for New Masonry Chimneys
-

1. SCOPE

1.1 These requirements cover prefabricated *fireplace inserts* for masonry fireplaces and appliances intended to be vented through the throat of a masonry fireplace. These appliances are designed for burning solid fuels such as wood and coal.

1.2 This Standard covers catalytic combustors utilized with *fireplace inserts*.

NOTE: Installation of *glass* doors to existing masonry fireplaces is not covered by this Standard.

2. GLOSSARY

NOTE: Terms used in this Standard that are in *Italic print* are defined as follows:

FIREPLACE INSERT - Any solid-fuel fired heat producing appliance intended for installation within, or partially within the fuel burning space of a masonry fireplace and which substantially closes off the fireplace opening.

GLASS - Any transparent or translucent material employed in the construction of a heat producing appliance or intended as an accessory or component of an accessory for such an appliance.

QUALIFIED PERSON - A person who has successfully completed a training program recognized by the regulatory authority and who is familiar with the use of the product and the risks associated with improper installation procedures.

3. GENERAL

3.1 A *fireplace insert* shall meet the requirements contained in Part A of this Standard.

3.2 A *fireplace insert* equipped with a catalytic combustor shall meet the requirements contained in Parts A and B of this Standard.

3.3 A *fireplace insert* shall be installed with a continuous chimney liner extending from the *fireplace insert* to the top of the chimney. A chimney liner shall be tested for conformance with Class 3 requirements of CAN/ULC-S635, Standard for Lining Systems for Existing Masonry or Factory-Built Chimneys and Vents, or CAN/ULC-S640, Standard for Lining Systems for New Masonry Chimneys.

4. ELECTRICAL FEATURES

4.1 The electrical features of *fireplace inserts* shall comply with CSA C22.2 No. 3, Electrical Features of Fuel-Burning Equipment.

4.2 Fans and motors driving the fans used to circulate air around or through a *fireplace insert* shall be guarded or enclosed in accordance with the requirements of CSA C22.2 No. 113, Fans and Ventilators.

PART A

5. ASSEMBLY

5.1 GENERAL

5.1.1 *Fireplace inserts* shall have a firechamber enclosed on all sides (including top and bottom) and shall be designed for the attachment of a chimney liner.

5.1.2 Each assembly shall include a complete set of installation and operating instructions in accordance with Section 7, Installation Instructions and Section 8, Operating Instructions.

5.1.3 The *fireplace insert* shall be designed to permit the inspection and cleaning of the chimney liner from below by normal means without the removal of the *fireplace insert*.

(Amendment No. 1, Dated May 1997, Revised Clause 5.1.3)

5.1.4 A *fireplace insert* and related parts shall be constructed and assembled to assure its strength, rigidity, and durability when tested in accordance with these requirements and to withstand damage during handling and erection.

5.1.5 A joint in metal surfaces of a fire chamber or flue gas passageway within the *fireplace insert* shall be gas-tight, as attained by being welded, lock-seamed, riveted, or bolted. A joint shall not depend primarily on cement for tightness.

5.1.6 Each part or assembly shall be constructed for ready attachment of one to the other without requiring alteration, cutting, threading, drilling, welding, or similar operation by the installer; except that a special assembly or part designed to be cut to length or to fit by the installer may be provided if means are furnished for readily joining any altered part to a companion part or assembly.

5.1.7 Except for fire chamber materials, insulating materials shall be an integral part of the assembly if required to protect combustible parts of the building when the *fireplace insert* is installed in accordance with the manufacturer's instructions.

5.1.8 Two or more parts or subassemblies which must bear a definite relationship to each other shall be arranged and constructed to permit them to be incorporated into the complete assembly without need for alteration; or such parts or subassemblies shall be assembled and shipped from the factory as one element.

5.1.9 Excluding options, parts of a *fireplace insert* that are necessary to obtain safe temperatures on adjacent construction, shall be factory-attached or shipped with the *fireplace insert*.

5.1.10 A *fireplace insert* shall be shipped with any special parts for the connection to a chimney liner.