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# UL 907

## **STANDARD FOR SAFETY** Fireplace Accessories

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UL Standard for Safety for Fireplace Accessories, UL 907

Fourth Edition, Dated March 11, 2016

**Summary of Topics**

***This revision of ANSI/UL 907 dated August 28, 2019 is being issued to update the title page to reflect the most recent designation as a Reaffirmed American National Standard (ANS). No technical changes have been made.***

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The requirements are substantially in accordance with Proposal(s) on this subject dated June 28, 2019.

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**UL 907**

**Standard for Fireplace Accessories**

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Third Edition – February, 2010

**Fourth Edition**

**March 11, 2016**

This ANSI/UL Standard for Safety consists of the Fourth edition including revisions through August 28, 2019.

The most recent designation of UL 907 as a Reaffirmed American National Standard (ANS) occurred on August 19, 2019. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

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## INTRODUCTION

### 1 Scope

1.1 These requirements apply to fireplace accessories that are intended only for field installation into or attachment to existing masonry fireplaces. Fireplace accessories include items such as heat exchangers, glass door assemblies, and the like. For the purpose of these requirements, fireplace accessories do not include fireplace inserts or devices that incorporate a closed fire chamber.

1.2 Fireplace accessories as covered by these requirements are intended for installation in accordance with the Standard for Chimneys, Fireplaces, Vents and Solid Fuel Burning Appliances, NFPA 211, and in accordance with codes such as the International Building Code, International Mechanical Code, and related mechanical codes.

1.3 A fireplace accessory, as covered by these requirements, is intended for use with solid wood fuel, as specified by the manufacturer.

1.4 These accessories may include:

- a) Field-installed cord-connected or fixed blower assemblies; and
- b) Other field-installed electrical accessories rated at 250 volts or less to be employed in ordinary locations in accordance with the National Electrical Code, NFPA 70.

### 2 Components

2.1 Except as indicated in 2.2, a component of a product covered by this standard shall comply with the requirements for that component. See Appendix A for a list of standards covering components generally used in the products covered by this standard.

2.2 A component is not required to comply with a specific requirement that:

- a) Involves a feature or characteristic not required in the application of the component in the product covered by this standard, or
- b) Is superseded by a requirement in this standard.

2.3 A component shall be used in accordance with its rating established for the intended conditions of use.

2.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.

### 3 Units of Measurement

3.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.

### 4 Terminology

4.1 The term "product" as used in these requirements refers to all fireplace accessories or any part thereof covered by these requirements unless specifically noted otherwise.

### 5 Undated References

5.1 Any undated reference to a code or standard appearing in the requirements of this standard shall be interpreted as referring to the latest edition of that code or standard.

### 6 Glossary

6.1 For the purpose of this standard, the following definitions apply.

6.2 COMBUSTIBLE MATERIAL, NONCOMBUSTIBLE MATERIAL – These terms, as used in this standard, are defined in the Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances, NFPA 211.

6.3 DOOR ASSEMBLY – A factory-built device intended for field attachment to the front of a fireplace.

6.4 FIREPLACE, MASONRY – A field constructed assembly that is built in accordance with the Standard for Chimneys, Fireplaces, Vents and Solid Fuel Burning Appliances, NFPA 211, or other nationally recognized code requirements.

6.5 FIREPLACE ENCLOSURE – The combustible building materials adjacent to the masonry fireplace test fixture consisting of walls, ceiling, floor, and the like.

6.6 FIRESCREEN – A device that attaches to the fireplace accessory, consisting of a mesh type screen, used to reduce the risk of sparks exiting the fire chamber.

6.7 GRATE – A metal frame for supporting fuel within a fireplace accessory.

6.8 HEARTH – The floor area within a fire chamber.

6.9 HEARTH EXTENSION – The floor area outside a fireplace fire chamber consisting of noncombustible material.

6.10 HEAT EXCHANGER – A factory-built device for use with a fireplace consisting of tubes or ducts that are intended to expel heated air into a room, zone or space to be heated. A device that incorporates a closed fire chamber is not considered a heat exchanger.

6.11 REFLECTOR – A product intended to reflect additional radiant heat from the fireplace.

6.12 REFRACTORY – A noncombustible material used in the construction of a fireplace or fireplace accessory.

6.13 REMOTE COMBUSTION AIR – Combustion air introduced into a fireplace that comes from a room, zone, or space other than that in which the fireplace is located.

## CONSTRUCTION

### 7 Materials

7.1 A fireplace accessory or part shall be made of noncombustible corrosion-resistant materials. Metals shall be used in combinations that are galvanically compatible at any location within the assembly.

7.2 The minimum thickness of metal, including coatings where shown, shall comply with Table 7.1.

*Exception No. 1: This requirement does not apply to electrical enclosures. See Enclosure, Section 19.*

*Exception No. 2: This requirement does not apply to decorative parts.*

**Table 7.1**  
**Minimum metal thickness**

Metal	Inch	(mm)
Aluminum alloys	0.016	(0.41)
Steel (uncoated, painted or plated)	0.042	(1.07)
Galvanized Steel (G90 coating class)	0.018	(0.46)
Galvanized steel (G60 coating class)	0.025	(0.64)
Aluminum-coated steel Type T1-40 (regular)		
[0.40 ounces per square foot (0.12 kg/m <sup>2</sup> )]	0.018	(0.46)
Stainless steel	0.012	(0.30)

7.3 Thermal insulation material shall be of a metal or mineral base.

7.4 Thermal insulation shall comply with the following conditions when the fireplace accessory is tested in accordance with these requirements:

- a) The products resulting from the combustion or volatilization of any combustible binder shall be discharged to the chimney;
- b) The insulating material shall remain in its intended position;
- c) The thermal conductivity of the insulating material shall not be increased; and
- d) The thermal insulation shall not show evidence of softening, melting, or deterioration.

7.5 Thermal insulation shall be protected against contact with the products of combustion.

7.6 Thermal insulation that is not self-supporting shall be applied to solid surfaces so that the insulation does not sag. An adhesive or cement used to attach such material shall retain its adhesive qualities at any temperature the adhesive may attain when tested in accordance with these requirements and at 0°F (minus 17.8°C).