ANSI Z21.60-2017 • CSA 2.26-2017

CSA Group

Decorative gas appliances for installation in solid-fuel burning fireplaces

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Revision History

ANSI Z21.60-2017 • CSA 2.26-2017, Decorative gas appliances for installation in solid-fuel burning fireplaces

Revision from previous edition	Revision symbol (in margin)
Clauses 1.2, 3, 4.1.4, 4.6.1, 5.1.4, 5.2, and D.4 Annexes A, B, and C Tables 4 and 5	Δ

Standards Update Service

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ANSI Z21.60-2017 • CSA 2.26-2017

Decorative gas appliances for installation in solid-fuel burning fireplaces

American National Standards Institute, Inc.

International Gas Advisory Council

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Preface

This is the fourth edition of ANSI Z21.60 • CSA 2.26, *Decorative gas appliances for installation in solid-fuel burning fireplaces*. It supersedes the previous editions published in 2012, 2003, and 1996.

This Standard was prepared by the Z21/CSA Joint Technical Subcommittee on Standards for Decorative Gas Appliances under the jurisdiction of the Z21/83 Technical Committee on Standards for Performance and Installation of Gas Burning Appliances and Related Accessories and the CSA Technical Committee on Gas Appliances and Related Accessories, and had been formally approved by the Technical Committees and the American National Standards Institute.

Interpretations: The Strategic Steering Committee on Standards for Fuel Burning Appliances has provided the following direction for the interpretation of standards under its jurisdiction: "The literal text shall be used in judging compliance of products with the safety requirements of this Standard. When the literal text cannot be applied to the product, such as for new materials or construction, and when a relevant committee interpretation has not already been published, CSA Group's procedures for interpretation shall be followed to determine the intended safety principle."

Notes:

1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*

2) *This Standard contains SI (Metric) units corresponding to the yard/pound quantities, the purpose being to allow the standard to be used in SI (Metric) units. (IEEE/ASTM SI 10,* American National Standard for Metric Practice*, or ISO 80000-1:2009,* Quantities and units — Part 1: General*, is used as a guide in making metric conversion from yard/pound quantities.) If a value for a measurement and a corresponding value in other units are stated, the first stated value is to be regarded as the requirement. The given corresponding value may be approximate. If a value for a measurement and a corresponding value in other units are both specified as a quoted marking requirement, the first stated unit, or both, are to be provided.*

3) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*

4) *This Standard was developed by consensus, which is defined by* CSA Policy governing standardization — Code of good practice for standardization *as "substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity." It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.*

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c) *wording of the proposed change; and*
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b) *provide an explanation of circumstances surrounding the actual field condition; and*
c) *where possible, phrase the request in such a way that a specific "yes" or "no" answer will address the issue.*

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History of the development of the Standard for Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces

Note: *This history is informative and is not part of the Standard.*

With the onset of the Free Trade Agreement between the United States and Canada on January 2, 1988, significant attention was given to the harmonization of the United States and Canadian safety standards addressing gas-fired equipment for residential, commercial and industrial applications. It was believed that the elimination of the differences between the standards would remove potential trade barriers and provide an atmosphere in which North American manufacturers could market more freely in the United States and Canada.

A Z21/CGA joint working group on harmonizing decorative gas appliance standards was established. On October 27-28, 1992, the Z21/CGA Joint Decorative Appliance Subcommittee reviewed the first draft harmonized Standard for Decorative Gas Appliances Installation in Solid Fuel Burning Fireplaces based on current coverage from the American National Standard for Decorative Gas Appliances for Installation in Solid Fuel Burning Fireplaces, ANSI Z21.60-1991, and the National Standard of Canada for Decorative Gas Appliances for Installation in Vented Fireplaces, CAN/CGA 2.26-M86. Following its review, the joint subcommittee modified the draft document and agreed to distribute a second draft for industry review during March 1993.

With the formation of joint subcommittees, a Canadian Gas Association Standards Steering Committee on Gas Burning Appliances and Related Accessories was established to parallel Accredited Standards Committee Z21 and Z83, and to support the formation of joint subcommittees. Operating procedures for joint subcommittees were developed in accordance with American National Standards Institute procedures and subsequently approved by ANSI on April 1, 1993.

During its October 6-7, 1993 meeting, the joint decorative gas appliance subcommittee reconsidered the proposed second draft of the harmonized Standard for Decorative Gas Appliances for Installation in Solid-Fuel Burning Appliances dated March 1993, in light of comments received. Changes to the combustion section of the draft standard were redistributed for review and comment.

At its May 26-27, 1994 meeting, the joint decorative appliance subcommittee reconsidered the proposed combustion section of the draft standard, in light of comments received. As a result a third draft, comprised of the second draft and the proposed combustion section, was recommended to the Z21 Committee and the CGA Standards Steering Committee for approval.

The proposed third draft of the harmonized Standard for Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces was approved by the Z21 Committee by letter ballot dated August 5, 1994, and by the CGA Standards Steering Committee on April 14, 1994.

The first edition of the harmonized Z21/CGA Standard for Decorative Gas Appliances for Installation in Solid Fuel Burning Appliances was approved by The Canadian Interprovincial Gas Advisory Council and the CGA Standards Advisory Committee in September 1995 and by the American National Standards Institute, Inc., on February 7, 1996.

The second edition of the harmonized Z21/Canadian Standards Association Standard for Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces, was approved by the Canadian Interprovincial Gas Advisory Council on February 17, 2003 and by the American National Standards Institute Inc. on July 10, 2002.

The third edition of the Standard for Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces, was approved by the Canadian Interprovincial Gas Advisory Council on March 22, 2012 and by the American National Standards Institute Inc. on February 23, 2012.

This, the fourth edition of the decorative gas appliances for installation in solid-fuel burning fireplaces standard was distributed for industry review during December 2012 and November 2013; approved by the Z21/83 Technical Committee on October 10, 2016; approved by the CSA Technical Committee on October 10, 2016; and formally approved by the American National Standards Institute, Inc. on January 6, 2017 and the Interprovincial Gas Advisory Council on December 1, 2016.

The previous editions of Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces, and addenda thereto, approved by the Interprovincial Gas Advisory Council and American National Standards Institute, Inc. are as follows:

ANSI Z21.60-1996 • CGA 2.26-M96
ANSI Z21.60a-2000 • CGA 2.26a-2000
ANSI Z21.60b-2001 • CGA 2.26b-2001
ANSI Z21.60-2003 • CSA 2.26-2003
ANSI Z21.60a-2003 • CSA 2.26a-2003
ANSI Z21.60b-2004 • CSA 2.26b-2004

ANSI Z21.60-2012 • CSA 2.26-2012

The following identifies the designation and year of the fourth edition of the Standard:

ANSI Z21.60-2017 • CSA 2.26-2017

Note: *This, the 2017 edition of ANSI Z21.60 • CSA 2.26, incorporates changes to the 2012. Changes, other than editorial, are denoted by a delta in the margin.*

ANSI Z21.60-2017 • CSA 2.26-2017
Decorative gas appliances for installation in solid-fuel burning fireplaces

1 Scope

1.1
This Standard applies to decorative gas appliances for installation in solid-fuel burning fireplaces, (see Clause 3, Definitions), hereinafter referred to as appliances, which are constructed entirely of new, unused parts and materials, and having input ratings up to and including 400,000 Btu/hr (117 228 W).

These appliances are:
a) for use with natural gas;
b) for use with propane gas;
c) for use with natural and convertible for use with propane gas (see Clause 3, Definitions);
d) for manufactured home (U.S. only) or mobile home installation for use with natural and convertible for use with propane gas; and
e) for manufactured home (U.S. only) or mobile home installation for use with propane gas only.

The construction of decorative appliances for installation in solid-fuel burning fireplaces for use with the above-mentioned gases is covered under Clause 4.

The performance of decorative appliances for installation in solid-fuel burning fireplaces for use with the above-mentioned gases is covered under Clause 5.

Δ **1.2**
Decorative appliances for installation in solid-fuel burning fireplaces are not thermostatically controlled.

1.3
This Standard does not cover unvented room heaters.

1.4
The use of the term “appliance” henceforth in this Standard is in reference to a decorative gas appliance for installation in a solid-fuel burning fireplace.

1.5
If a value for measurement as given in this Standard is followed by an equivalent value in other units, the first stated value is to be regarded as the specification. (Also see Clause 8.3.)

1.6
All references to psi throughout this Standard are to be considered gage pressure unless otherwise specified.

1.7
Clause 7, Items unique to the United States, contains provisions that are unique to the United States.

1.8
Clause 8, Items unique to Canada, contains provisions that are unique to Canada.

1.9
Special construction provisions applicable to an appliance designed for use with an optional listed conversion kit are outlined under Annex D, Provisions for listed gas appliances conversion kits (optional).

1.10
Clause 2 contains a list of standards specifically referenced in this Standard and sources from which they may be obtained. Clause 2 includes both U.S. and Canadian reference standards where applicable. It is the responsibility of the user of this Standard to determine which referenced standard applies based on the requirements of the authority having jurisdiction at the location of the installation.

2 Reference publications
This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.

CSA Group

ANSI Z21.15-2009 (R2014) • CSA 9.1-2009 (R2014)
Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves

ANSI Z21.18-2007 (R2012) • CSA 6.3-2007 (R2012)
Gas Appliance Pressure Regulators

ANSI Z21.20-2010 • CSA C22.2 No. 199-2010 • UL 372-2010
Automatic Gas Ignition Systems and Components

ANSI Z21.21-2015 • CSA 6.5-2015
Automatic Valves for Gas Appliances

ANSI Z21.24-2015 • CSA 5.10-2015
Metal Connectors for Gas Appliances

ANSI Z21.35-2005 (R2015) • CSA 6.8-2005 (R2015)
Pilot Gas Filters

ANSI Z21.77-2005 (R2015) • CSA 6.23-2005 (R2015)
Manually Operated Piezo-Electric Spark Gas Ignition Systems and Components

ANSI Z21.78-2010 (R2015) • CSA 6.20-2010 (R2015)
Combination Gas Controls for Gas Appliances

CSA B149.1-15
Natural Gas and Propane Installation Code

CSA B78.4-1979
Electrical and Electronics Diagrams

