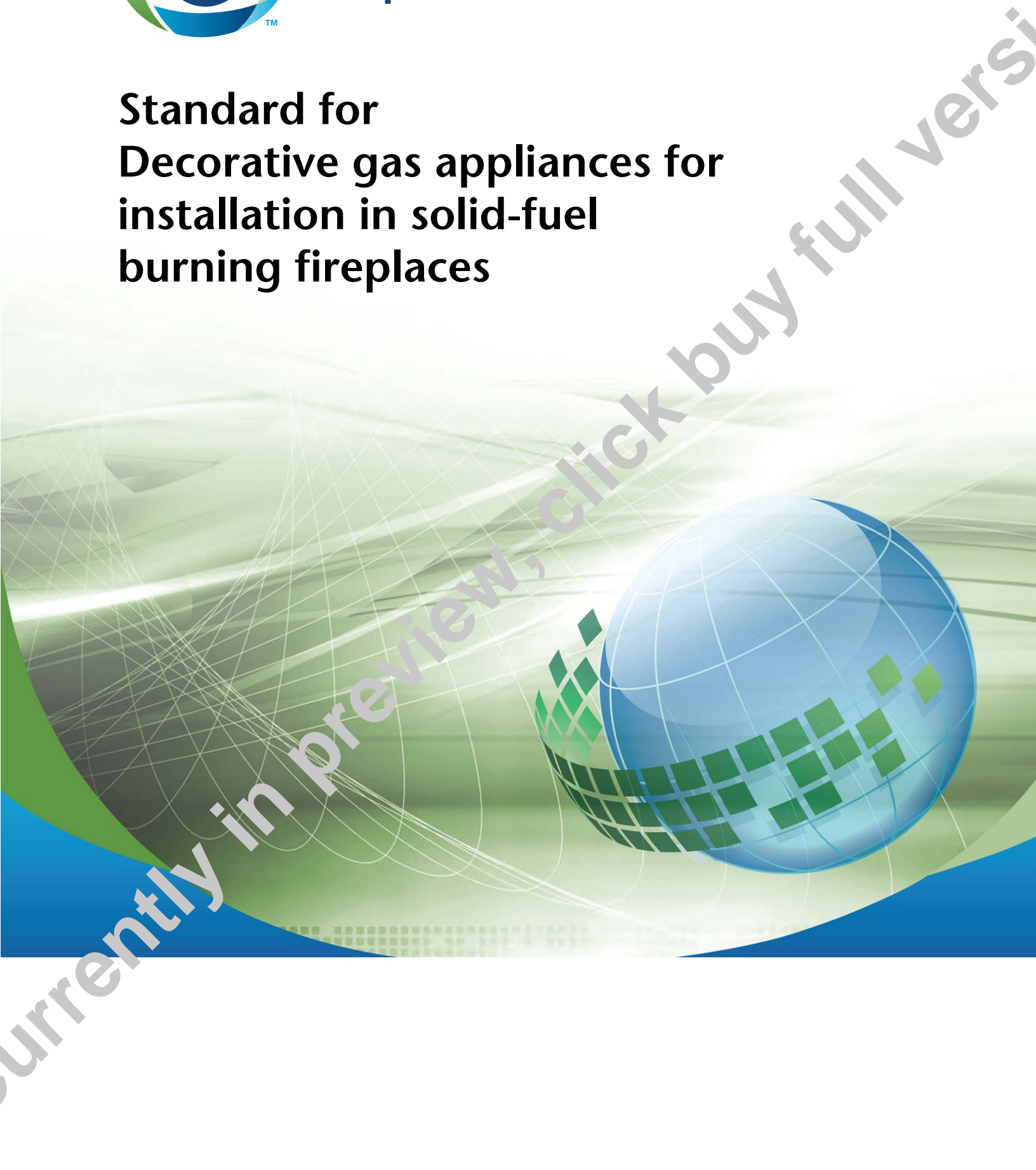




**CSA  
Group**

**ANSI Z21.60-2012  
CSA 2.26-2012**

**Standard for  
Decorative gas appliances for  
installation in solid-fuel  
burning fireplaces**



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AMERICAN NATIONAL STANDARD  
ANSI Z21.60-2012

CSA 2.26-2012

Third Edition - 2012  
This Standard is based on the Standard for  
Decorative gas appliances for installation  
in solid-fuel burning fireplaces  
ANSI Z21.60-2003 • CSA 2.26-2003,  
ANSI Z21.60a-2003 • CSA 2.26a-2003, and  
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Standard Developer

CSA AMERICA INC.  
Operating as "CSA Group"  
8501 East Pleasant Valley Road  
Cleveland, Ohio 44131

CANADIAN STANDARDS ASSOCIATION  
Operating as "CSA Group"  
5060 Spectrum Way, Suite 100  
Mississauga, Ontario, Canada L4W 5N6



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10036***

# *Preface*

This publication represents a basic standard for safe operation, substantial and durable construction, and acceptable performance of storage a decorative gas appliance for installation in solid-fuel burning fireplaces. It is the result of years of experience in the manufacture, testing, installation, maintenance, inspection and research on a decorative gas appliance for installation in solid-fuel burning fireplaces designed for utilization of gas. There are risks of injury to persons inherent in appliances that, if completely eliminated, would defeat the utility of the appliance. The provisions in this standard are intended to help reduce such risks while retaining the normal operation of the appliance.

Nothing in this standard is to be considered in any way as indicating a measure of quality beyond compliance with the provisions it contains. It is designed to allow compliance of decorative gas appliance for installation in solid-fuel burning fireplaces, the safety construction and performance of which may exceed the various provisions specified herein. In its preparation, recognition has been given to possibilities of improvement through ingenuity of design. As progress takes place, revisions may become necessary. When they are believed desirable, recommendations or suggestions should be forwarded to the CSA Group, 8501 East Pleasant Valley Road, Cleveland, Ohio 44131, or the CSA Group, 1060 Spectrum Way, Suite 100, Mississauga, Ontario, Canada L4W 5N6.

Safe and satisfactory operation of a decorative gas appliance for installation in solid-fuel burning fireplaces depends to a great extent upon its proper installation, use and maintenance. It should be installed, as applicable, in accordance with the National Fuel Gas Code, ANSI Z223.1/NFPA 54; the Natural Gas and Propane Installation Code, CSA B149.1.

Users of this American National Standard/Canadian Standards Association Standard are advised that the devices, products and activities within its scope may be subject to regulation at the Federal, Territorial, Provincial, state or local level. Users are strongly urged to investigate this possibility through appropriate channels. In the event of a conflict with this standard, the Federal, Territorial, Provincial, state or local regulation should be followed.

THIS STANDARD IS INTENDED TO BE USED BY THE MANUFACTURING SECTOR AND BY THOSE APPLYING THE EQUIPMENT AND BY THOSE RESPONSIBLE FOR ITS PROPER INSTALLATION. IT IS THE RESPONSIBILITY OF THESE USERS TO DETERMINE THAT IN EACH CASE THIS STANDARD IS SUITABLE FOR AND APPLICABLE TO THE SPECIFIC USE THEY INTEND.

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**EFFECTIVE DATE:** An organization using this standard for product evaluation as a part of its certification program will normally establish the date by which all products certified by that organization should comply with this standard.

# ***History Of The Development Of Standards For Decorative Gas Appliances For Installation In Solid-Fuel Burning Fireplaces***

(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.

This 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 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:

Z21.60-1996 • CGA 2.26-M96

Z21.60a-2000 • CGA 2.26a-2000

Z21.60b-2001 • CGA 2.26b-2001

Z21.60-2003 • CSA 2.26-2003

Z21.60-2003a • CSA 2.26a-2003

Z21.60-2004b • CSA 2.26b-2004

The following identifies the designation and year of the harmonized standard:

ANSI Z21.60-2012 • CSA Group 2.26-2012

*Note: This the third edition of Z21.60 • CSA Group 2.26 incorporates changes to the second 2003 edition of Z21.60 • CSA 2.26 and addenda thereto. Changes are denoted by a vertical line in the margin.*

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***Decorative gas appliances for installation  
in solid-fuel burning fireplaces***



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## NOTE

*This standard contains SI (Metric) equivalents to the yard/pound quantities, the purpose being to allow the standard to be used in SI (Metric) units. (Standard for use of the International System of Units (SI): The Modern Metric System, IEEE/ASTM SI 10 or Metric Practice Guide, CAN/CSA Z234.1 are used as a guide in making metric conversion from yard/pound quantities.) If a value for a measurement and an equivalent value in other units, the first stated is to be regarded as the requirement. The given equivalent value may be approximate. If a value for a measurement and an equivalent value in other units, are both specified as a quoted marking requirement, the first stated unit, or both shall be provided.*

# *ANSI Z21.60-2012 • CSA 2.26-2012*

## *Standard for decorative gas appliances for installation in solid-fuel burning fireplaces*

### *Part I: Construction*

#### **1.1 Scope**

##### **1.1.1**

The standard applies to decorative gas appliances for installation in solid-fuel burning fireplaces, (see Part IV, 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;
- c. For use with natural and convertible for use with propane gas (see Part IV, 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 Part I.

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

##### **1.1.2**

Decorative appliances for installation in solid-fuel burning fireplaces shall not be thermostatically controlled.

##### **1.1.3**

This standard does not cover unvented room heaters.

##### **1.1.4**

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.

##### **1.1.5**

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 E.3.1.)