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ANSI Z21.5.2-2013 • CSA 7.2-2013

# **Gas clothes dryers, volume II, type 2 clothes dryers**

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**Gas clothes dryers, volume II, type 2**  
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# Preface

This is the fourth edition of ANSI Z21.5.2-2013 • CSA 7.2-2013, Gas clothes dryers, volume II, type 2 clothes dryers. It supersedes the previous editions published in 2005, 2001, and 1998.

This Standard was prepared by the Z21/CSA Joint Technical Advisory Group on Standards for Gas Clothes Dryers, under the jurisdiction of the Z21/83 Technical Committee on Performance and Installation of Gas Burning Appliances and Related Accessories, the Canadian Technical Committee on Gas Appliances and Related Accessories, and the Strategic Steering Committee on Standards for Fuel Burning Equipment, and had been formally approved by the Technical Committees, American National Standards Institute, and the Interprovincial Gas Advisory Council.

**Interpretations:** The Strategic Steering Committee on Standards for Fuel Burning Equipment 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’s procedures for interpretation shall be followed to determine the intended safety principle.”

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## History of the development of ANSI Z21.5.2-2013 • CSA 7.2-2013

**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. The harmonization of these standards was also seen as a step toward harmonization with international standards.

A draft harmonized standard for Type 2 gas clothes dryers was prepared by subcommittee members and IAS U.S. staff. On December 6, 1995 the Z21/CGA Joint Gas Clothes Dryers Subcommittee reviewed by letter ballot the first draft harmonized Type 2 gas clothes drier standard based on current coverage from the American National Standard for Gas Clothes Dryers, Volume II, Type 2 Clothes Dryers, ANSI Z21.5.2-1995, and Canadian Gas Association Standard for Gas Clothes Dryers, Commercial, CGA 7.2-1971.

The December 1995 letter ballot was approved by the joint subcommittee and a harmonized draft was distributed for industry review during January 1996.

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 Committees Z21 and Z83, and to support the formation of joint subcommittees. Operating procedures, in accordance with American National Standards Institute procedures, for joint subcommittees were developed and subsequently approved by ANSI on April 1, 1993.

Following reconsideration and modifications of the proposed draft standard for Type 2 gas clothes dryers, in light of comments received, the joint gas clothes dryers subcommittee, at its March 6, 1996 meeting, recommended the proposed draft to the Accredited Standards Committee Z21 and the CGA Standards Steering Committee for approval.

The proposed draft of the harmonized standard for type 2 gas clothes dryers, as modified by the joint subcommittee, was approved by the Z21 Committee by letter ballot dated October 14, 1996, and by the CGA Standards Steering Committee on November 11, 1997.

The first edition of the harmonized Z21/CSA Standard for Gas Clothes Dryers, Volume II, Type 2 Clothes Dryers was approved by the Interprovincial Gas Advisory Council (IGAC), in February, 1998, and by the American National Standards Institute, Inc. (ANSI), on February 26, 1998.

The second edition was approved by the IGAC on June 25, 2001, and by ANSI on February 9, 2001.

The third edition of the Standard for Gas clothes dryers, volume II, type 2 clothes dryers was approved by the IGAC on April 1, 2005 and by ANSI on December 20, 2004.

This, the fourth edition of the Standard for Gas clothes dryers, volume II, type 2 clothes dryers was approved by the CSA Technical Committee on Gas Appliances and Related Accessories on September 5, 2012, the Z21/83 Technical Committee on Performance and Installation of Gas Burning Appliances and Related Accessories on April 23, 2013, the IGAC on June 5, 2013 and by ANSI on August 1, 2013.

The previous editions of the type 2 gas clothes dryers, and addenda thereto, approved by ANSI and the IGAC, are as follows:

ANSI Z21.5.2-1998 • CSA-7.2-M98  
ANSI Z21.5.2a-1999 • CSA-7.2a-M99  
ANSI Z21.5.2b-2000 • CSA-7.2b-M00

ANSI Z21.5.2-2001 • CSA-7.2-2001  
ANSI Z21.5.2a-2003 • CSA-7.2a-2003  
ANSI Z21.5.2b-2003 • CSA-7.2b-2003

ANSI Z21.5.2-2005 • CSA 7.2-2005  
ANSI Z21.5.2a-2006 • CSA 7.2a-2006

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

ANSI Z21.5.2-2013 • CSA 7.2-2013

**Note:** *This edition of ANSI Z21.5.2-2013 • CSA 7.2-2013 incorporates changes to the 2005 edition and addendum there to. Changes, other than editorial, are denoted by a circled numeral in the margin.*

# Revision History

## ANSI Z21.5.2-2013 • CSA 7.2-2013 Gas clothes dryers, volume II, type 2 clothes dryers

Revision Issued — August 2013	Revision symbol (in margin)
Added coverage for a water dispensing system(s) (Clauses 3, 4.21, 4.23.3, 4.24.5, 4.24.6, and 5.12)	①
Removed provision for thermotubes (Clause 5.10)	②

# ANSI Z21.5.2-2013 • CSA 7.2-2013

## ***Gas clothes dryers, volume II, type 2 clothes dryers***

### **1 Scope**

#### **1.1**

This standard applies to newly produced type 2 clothes dryers (see Clause 3) hereinafter referred to as dryers, constructed entirely of new, unused parts and materials:

- a) for use with natural gas;
- b) for use with manufactured gas;
- c) for use with mixed gas;
- d) for use with propane gas;
- e) for use with liquefied petroleum gases; and
- f) for use with LP gas-air mixtures.

The construction of dryers for use with the above-mentioned gases is covered in Clause 4.

The performance of dryers for use with the above-mentioned gases is covered in Clause 5.

#### **1.2**

This standard also covers all electrical equipment, wiring and accessories built in or supplied for use with the dryer. It covers only dryers whose electrical equipment, wiring and accessories are intended to be installed in accordance with the *National Electrical Code, ANSI/NFPA 70* or the *Canadian Electrical Code, CSA C22.1*. This standard covers dryers having supply voltage ratings of 120, 208, 240, 277 or 480 volts.

#### **1.3**

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.

#### **1.4**

Special construction provisions applicable to a clothes dryer designed for use with an optional listed conversion kit are outlined under Annex A (optional).

#### **1.5**

All references to "psi" throughout this standard are to be considered gage pressures unless otherwise specified.

#### **1.6**

Clause 2 contains a list of standards referenced in this standard, and sources from which these reference standards may be obtained.