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**ANSI Z21.72-2016 • CSA 11.2-2016**

## **Portable type gas camp stoves**

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## Portable type gas camp stoves



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# IGAC

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# Preface

This is the third edition of ANSI Z21.72 • CSA 11.2, *Portable type gas camp stoves*. It supersedes the previous editions published in 2000 and 2011.

This Standard was prepared by the Z21/CSA Joint Technical Subcommittee on Standards for Gas-Fired Refrigerators and Portable Camping Equipment, under the jurisdiction of the Technical Committee on Performance and Installation of Gas Burning Appliances and Related Accessories and the Strategic Steering Committee on Standards for Gas Appliances and Related Accessories, and had been formally approved by the Z21/83 and CSA Technical Committees, American National Standards Institute, and the Interprovincial Gas Advisory Council.

**Interpretations:** The Strategic Steering Committee on Standards for Standards for Gas Appliances and Related Accessories 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.”

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## History of the development of the Standard for Portable type gas camp stoves

**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.

The draft harmonized standard was based on current coverage from the *American National Standard for Portable Camp Cook Stoves for Use with Propane Gas, Z21.72-1982*, and the *Canadian Standard for Portable Type Gas Camp Stoves, CAN1-11.2-M79*. On September 19, 1997, the Z21/(Interim CSA) Joint Gas Refrigerators and Portable Camping Equipment Subcommittee reviewed by letter ballot the first draft harmonized portable type gas camp stoves standard. At its February 5, 1998 meeting, in light of comments received, the joint subcommittee agreed to adopt the revised draft standard for public review and comment. The revised draft portable type gas camp stoves standard was distributed for an industrial review during June 1998.

At its November 1998 meeting, the subcommittee assigned a task group to review the comments received and to revise the draft standard. At its June 1999 meeting, the joint subcommittee reviewed the revised draft standard prepared by the camping equipment task group and agreed to distribute substantive changes to the camp stoves draft standard for another industry review. The substantive revisions to the draft standard were distributed for an industrial review during September 1999.

During its January 25-26, 2000 meeting, the joint gas refrigerators and portable camping equipment subcommittee recommended the proposed draft standard to the Accredited Standards Committee Z21/83 and the (Interim CSA) Standards Steering Committee for approval.

The proposed draft was approved by the Z21/83 Committee on April 13, 2000, and by the CSA Technical Committee by letter ballot dated March 10, 2000.

The first edition of the harmonized American National Standard/CSA Standard for Portable Type Gas Camp Stoves was approved by the Canadian Interprovincial Gas Advisory Council (IGAC) on June 1, 2000, and by the American National Standards Institute, Inc. (ANSI), on September 14, 2000.

The second edition of the Standard for Portable Type Gas Camp Stoves was approved by the IGAC on August 23, 2011, and by ANSI on March 17, 2011.

This, the third edition of the Standard for Portable Type Gas Camp Stoves was approved by the IGAC on November 16, 2015, and by ANSI on December 7, 2015.

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

ANSI Z21.72-2016 • CSA 11.2-2016

# ***ANSI Z21.72-2016 • CSA 11.2-2016***

## ***Portable type gas camp stoves***

### **1 Scope**

#### **1.1**

This Standard applies to portable type gas camp stoves having input ratings of 12,000 Btu/hr (3.5 kW) or less per burner for use:

- a) with propane, butane, liquefied petroleum gas, and any combination thereof; and
- b) outdoors only.

#### **1.2**

Stoves and components employing materials or having forms of construction differing from those detailed in this Standard may be examined and tested according to the intent of this Standard and if found to be satisfactorily equivalent, may be given recognition.

#### **1.3**

This Standard applies to stoves constructed entirely of new, unused parts.

#### **1.4**

All references to psi throughout this Standard are to be considered gauge pressures unless otherwise specified.

#### **1.5**

All accessories recommended by the manufacturer for use with appliances certified to this Standard are to be supplied and evaluated with the appliance.

#### **1.6**

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, except as noted in Clause 4.13, Instructions, and Clause 4.14.1.

#### **1.7**

Annex A, Items Unique to Canada, contains provisions that are unique to Canada.

#### **1.8**

Clause 2, Reference publications, contains a list of standards specifically referenced in this Standard, and sources from which these standards may be obtained.

#### **1.9**

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. (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.

### 1.10

In this Standard, “shall” is used to express a requirement, i.e., a provision that the user shall satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

## 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

CSA 8.1-2015

*Elastomeric Hose and Hose Couplings for Conducting Propane and Natural Gas*

CSA-8.3-2015

*Thermoplastic Hose and Hose Couplings for Conducting Propane and Natural Gas*

ANSI Z21.15-2014/CSA 9.1-2014

*Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves*

CSA B149.1-10

*Natural Gas and Propane Installation Code*

CSA B339-14

*Cylinders, Spheres and Tubes for the Transportation of Dangerous Goods*

CSA C22.2 No. 0.15-15

*Adhesive Labels*

ANSI Z21.18-2007 • CSA 6.3-2007 (R2012), and Addenda Z21.18a-2010 • CSA 6.3a-2010 (R2012)

*Gas Appliance Pressure Regulators*

### American Gas Association

ANSI Z223.1-2015/NFPA 54-2015

*National Fuel Gas Code*