

ANSI Z21.72-2011
CSA 11.2-2011

American National Standard/
CSA Standard for
Portable Type
Gas Camp Stoves

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AMERICAN NATIONAL STANDARD
ANSI Z21.72-2011

CSA STANDARD
CSA 11.2-2011

Second Edition - 2011

This Standard is based on the Standard for
Portable Type Gas Camp Stoves

ANSI Z21.72-2000 • CSA 11.2-2000,
ANSI Z21.72a-2001 • CSA 11.2a-2001, and
ANSI Z21.72b-2002 • CSA 11.2b-2002

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***American National Standards Institute, Inc.
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New York, NY
10036***

Preface

This publication represents a basic standard for safe operation, substantial and durable construction, and acceptable performance of portable type gas camp stoves. It is the result of years of experience in the manufacture, testing, installation, maintenance, inspection and research on portable type gas camp stoves. 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 portable type gas camp stoves, 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 feasible, recommendations or suggestions should be forwarded to the CSA America, 8501 East Pleasant Valley Road, Cleveland, Ohio 44131, or the Canadian Standards Association, 5060 Spectrum Way, Suite 100, Mississauga, Ontario, Canada L4W 5N6.

Safe and satisfactory operation of portable type gas camp stoves 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/CSA 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 levels. 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 Standard For Portable Type Gas Camp Stoves

(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 gasfired 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 4, 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 industrial 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 Standards/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.

This the second edition of the portable type gas camp stoves standard was approved by the IGAC on August 23, 2011, and by ANSI on March 17, 2011.

Previous editions of this standard and addenda thereto approved by the IGAC and ANSI are as follows:

ANSI Z21.72-2000 • CSA 11.2-2000
ANSI Z21.72a-2001 • CSA 11.2a-2001
ANSI Z21.72b-2002 • CSA 11.2b-2002

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

ANSI Z21.72-2011 • CSA 11.2-2011

Note: This edition of Z21.72 • CSA 11.2 incorporates changes to the first edition of Z21.72-2000 • CSA 11.2-2000 and addenda thereto. Changes are denoted by a vertical line in the margin.

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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.

American National Standard/CSA Standard For Portable Type Gas Camp Stoves

Part I: Construction

1.1 Scope

1.1.1

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.

1.1.2

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

1.1.3

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

1.1.4

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

1.1.5

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

1.1.6

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 1.14.1 and 1.15.4.

1.1.7

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

1.1.8

Exhibit B, List of Reference Standards, contains a list of standards specifically referenced in this standard, and sources from which these standards may be obtained.

1.2 General Construction And Assembly

1.2.1

Construction features and the quality of the workmanship shall be in conformity with acceptable engineering practices.