



CSA/ANSI Z21.1:24 • CSA 1.1:24  
National Standard of Canada  
American National Standard



# Household cooking gas appliances



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# Preface

This is the third edition of CSA/ANSI Z21.1 • CSA 1.1, *Household cooking gas appliances*. It supersedes the previous editions published in 2018 and 2016.

Major changes to this edition include the following:

- a) Added criteria for altitude of testing.
- b) Added an annex on input calculations (Annex [G](#)).
- c) Updated requirements for automatic gas ignition systems.
- d) Updated requirements of reaching for controls or performing cooking operations.
- e) Updated sponge wash requirements.
- f) Added additional requirements for oven rack loading.
- g) Updated requirements for hot coil ignition testing.
- h) Updated requirements for surface temperature measurements.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was prepared by the Z21/CSA Joint Subcommittee on Standards for Domestic Gas Ranges, under the jurisdiction of the Technical Committee on Bi-National Gas Appliances and Related Accessories and the Strategic Steering Committee on Standards for Gas Appliances and Related Accessories, and has been formally approved by the Technical Committee.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

This Standard has been approved by the American National Standards Institute (ANSI) as an American National Standard.

**Interpretations:** The Strategic Steering Committee on 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.”

**Notes:**

- 1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- 2) *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.*
- 3) *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.*
- 4) *To submit a request for interpretation of this Standard, please send the following information to [inquiries@csagroup.org](mailto:inquiries@csagroup.org) and include “Request for interpretation” in the subject line:*
  - a) *define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;*
  - b) *provide an explanation of circumstances surrounding the actual field condition; and*