



CSA/ANSI Z21.21:23 • CSA 6.5:23
National Standard of Canada
American National Standard



Automatic valves for gas appliances



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Preface

This is the seventh edition of CSA/ANSI Z21.21 • CSA 6.5, *Automatic valves for gas appliances*. It supersedes the previous editions published in 2019, 2015, 2012, 2005, 2000, and 1995.

The major changes to this edition include the following:

- a) removed the Figure on Class 125 cast iron pipe flange body connections;
- b) in Clause [4.4.5](#), revised flange connection requirements;
- c) in Clause [4.4.6](#), added coverage for additional flange connections;
- d) in Clause [4.10.2](#), added an additional date code option;
- e) in Clause [5.6.2.1](#), removed the capacity test for 85 to 110% of the manufacturer's rated voltage; and
- f) in Clause [5.15](#), revised the nonmetallic materials test method.

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 Automatic Gas Controls, under the jurisdiction of the Z21/83 Technical Committee on Performance and Installation of Gas Burning Appliances and Related Accessories, the Subcommittee on Gas Appliances and Related Accessories, and the Strategic Steering Committee on Fuels and Appliances. It has been formally approved by the Z21/83 Technical Committee and the Technical Committee on Gas Appliances and Related Accessories.

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 Fuels and Appliances 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 CSA 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 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*