



**CSA/ANSI Z23550:22**  
(ISO 23550:2018, MOD)  
National Standard of Canada  
American National Standard



**CSA/ANSI Z23550:22**  
**Safety and control devices for gas and/or oil burners and**  
**appliances — General requirements**  
(ISO 23550:2018, MOD)



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# National Standard of Canada American National Standard

CSA/ANSI Z23550:22

## Safety and control devices for gas and/or oil burners and appliances — General requirements (ISO 23550:2018, MOD)

Prepared by  
International Organization for Standardization



Reviewed by



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# IGAC

Interprovincial Gas Advisory Council

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# CSA/ANSI Z23550:22

## ***Safety and control devices for gas and/or oil burners and appliances — General requirements***

### *(ISO 23550:2018, MOD)*

## **CSA Preface**

This is the first edition of CSA/ANSI Z23550, *Safety and control devices for gas and/or oil burners and appliances — General requirements*, which is an adoption, with North American deviations, of the identically titled ISO (International Organization for Standardization) Standard 23550 (third edition, 2018-04).

For brevity, this Standard will be referred to as “CSA/ANSI Z23550” throughout.

This Standard is intended to be used in conjunction with the appropriate Standards in the ISO 23551, ISO 23552, and ISO 23553 series, which supplement or modify corresponding clauses in this Standard, to provide relevant requirements for each type of product.

The specific control Standards listed in the Scope of this Standard and found in the ISO 23551 and ISO 23552 series might have been adopted, in whole or in part, in Canada, the USA, or both. Where ISO Standards in these series have not been adopted, the most current nationally recognized published Standard(s) for those controls takes precedence in Canada or the USA.

This Standard represents a modified adoption of an ISO Standard as defined by the ANSI policy on adoption of ISO Standards. This means that this Standard is modified in relation to the ISO Standard where technical deviations are permitted, provided that they are clearly identified and described. This Standard maintains the format and structure of the ISO Standard being adopted.

Regional requirements for Canada and the USA can be found in Annex G.

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

This Standard was reviewed for North American adoption by the Z21/CSA Joint Subcommittee on Standards for Automatic Gas Controls, under the jurisdiction of the CSA Z21/83 Technical Committee on Performance and Installation of Gas-Burning Appliances and Related Accessories, the CSA Technical Committee on Gas Appliances and Related Accessories, and the CSA Strategic Steering Committee on Fuels and Appliances. It has been formally approved by the CSA Technical Committees and the Interprovincial/Territorial Gas Advisory Council.

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.”

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- a) Standard designation (number);
- b) relevant clause, table, and/or figure number;
- c) wording of the proposed change; and
- d) rationale for the change.

# North American deviations

The following deviations are intended to meet local product requirements and to align with requirements for gas and oil-burning appliances of relevant North American regulators.

[Replace all references to “IEC 60730-1” with “CSA E60730-1” for Canada and “UL 60730-1” for the USA]

## 1 Scope

[Add the following]

The requirements for gas quick connectors (GQCs) throughout ISO 23550 are not applicable.

**Note 1A:** CSA/ANSI Z21.85, a Canadian/USA harmonized Standard for GQCs, is being developed separately.

## 2 Normative references

[Add the following]

In this Standard, any reference to International Standards shall be replaced by the relevant National Standard of Canada or American National Standard.

For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

### CSA Group

C22.2 No. 94.1

*Enclosures for electrical equipment, non-environmental considerations*

C22.2 No. 94.2

*Enclosures for electrical equipment, environmental considerations*

C22.2 No. 269 series of Standards

*Surge protective devices*

CSA/ANSI Z21.85 (in development)

*Alternative connection means for use in gas appliances*

The following National Standards of Canada, published by CSA Group, are adoptions of IEC Standards. The requirements of these CSA Group Standards shall take precedence over the International Standards on which they are based. Any reference within CSA/ANSI Z23550 to the International Standard shall be replaced by a reference to the equivalent Canadian Standard.

CAN/CSA-C22.2 No. 60079-11

*Explosive atmospheres — Part 11: Equipment protection by intrinsic safety “i”*