

# **Mechanical flue-gas exhausters**



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# *Revision History*

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*B255-16*  
***Mechanical flue-gas exhausters***

**IGAC**

*Interprovincial Gas Advisory Council*



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# Preface

This is the third edition of CSA B255, *Mechanical flue gas exhausters*. It supersedes the previous editions published in 1981 and 1973.

This Standard was prepared by the Technical Committee on Gas Appliances and Related Accessories, and the Strategic Steering Committee on Standards for Fuel Burning Appliances, and had been formally approved by the Technical Committee and the Interprovincial Gas Advisory Council.

**Interpretations:** The Strategic Steering Committee on Standards for Fuel Burning 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 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) *This Standard is subject to review five years from the date of publication. Suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to [inquiries@csagroup.org](mailto:inquiries@csagroup.org) and include “Proposal for change” in the subject line:*
  - a) *Standard designation (number);*
  - b) *relevant clause, table, and/or figure number;*
  - c) *wording of the proposed change;*
  - d) *rationale for change.*
- 5) *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*
  - c) *where possible, phrase the request in such a way that a specific “yes” or “no” answer will address the issue.*

*Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are available on the Current Standards Activities page at [standardsactivities.csa.ca](http://standardsactivities.csa.ca).*

# B255-16

## *Mechanical flue-gas exhausters*

### 1 Scope

#### 1.1

This Standard applies to mechanical flue-gas exhausters intended to be installed in a flue pipe, breeching, or chimney and serving appliances burning natural gas, propane, or fuel oil.

#### 1.2

This Standard covers the mechanical and electrical features of mechanical flue-gas exhausters for indoor or outdoor installations.

#### 1.3

This Standard classifies mechanical flue-gas exhausters as:

- a) Type 1 is suitable for maximum operating temperatures of 300 °C (575 °F);
- b) Type 2 is suitable for maximum operating temperatures of 550 °C (1000 °F); and
- c) Type 3 is suitable for maximum operating temperatures of 850 °C (1600 °F).

#### 1.4

This Standard is not intended to cover mechanical flue-gas exhausters with motor ratings exceeding 375 W (1/2 hp).

#### 1.5

This Standard is not intended to cover mechanical flue-gas exhausters for use with incinerators, incinerating toilets, or condensing type or solid fuel burning appliances.

#### 1.6

This Standard may also be applied to such equipment as air circulators and boosters.

#### 1.7

The values given in SI units are the units of record for the purposes of this Standard. The values given in parentheses are for information and comparison only.

#### 1.8

In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to 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.