



**CSA/ANSI NGV 2:23**  
National Standard of Canada  
American National Standard



# Compressed natural gas vehicle fuel containers



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*National Standard of Canada  
American National Standard*

*CSA/ANSI NGV 2:23*

***Compressed natural gas vehicle fuel  
containers***



**IGAC**

*Interprovincial/Territorial  
Gas Advisory Council*

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*Approved on May 22, 2023 by ANSI*

*Approved on April 18, 2023 by IGAC*

*Published in July 2023 by CSA Group*

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*ICS 75.200, 75.160.30  
ISBN 978-1-4883-4500-5*

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# Preface

This is the seventh edition of CSA/ANSI NGV 2, *Compressed natural gas vehicle fuel containers*. It supersedes the previous editions published in 2019, 2016, 2007, 2000, 1998, and 1992.

Significant changes in this edition include the following:

- a) incorporated Canadian specific requirements that harmonize coverage with CSA B51, Part 2;
- b) streamlined the bonfire test to make it more representative of a component level test allowing localized fire test to be performed at system level standards; and
- c) adjusted the permeation test.

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

CSA Group acknowledges that the development of this Standard was made possible, in part, by the financial support of Natural Resources Canada.

This Standard was prepared by the Subcommittee on Fuel Containers for Compressed Natural Gas Vehicles, under the jurisdiction of the Technical Committee on Natural Gas Transportation and the Strategic Steering Committee on Transportation, and has been formally approved by the Technical Committee and IGAC.

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.

## 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*
  - 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.csagroup.org](http://standardsactivities.csagroup.org).*

- 5) *This Standard is subject to review within 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; and*
  - d) *rationale for the change.*