



CSA B401.2:21
National Standard of Canada



Propane vehicle maintenance facilities code



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Preface

This is the first edition of CSA B401.2, *Propane vehicle maintenance facilities code*.

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

This Code was prepared by the Subcommittee on Vehicle Maintenance Facilities Code, under the jurisdiction of the Technical Committee on Propane Autogas and the Strategic Steering Committee on Transportation, and has been formally approved by the Technical Committee and the Interprovincial/Territorial Gas Advisory Council.

This Code 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.

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 Code is stated in its Scope, it is important to note that it remains the responsibility of the users of the Code to judge its suitability for their particular purpose.*
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 - 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.*

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

CSA B401.2:21

Propane vehicle maintenance facilities code

1 Scope

1.1 Inclusions

This Code applies to the portions of a motor vehicle maintenance facility where propane-fuelled vehicles are maintained, repaired, or stored during maintenance or repair, including ancillary areas and systems. This applies to where the fuel system is for motive power of the vehicle.

1.2 Exclusions

This Code does not apply to

- a) motor vehicle repair procedures;
- b) parking facilities;
- c) other fuels used for vehicles; or
- d) propane when used for other purposes such as cooking, space, or water heating.

Note: *The requirements for the storage, handling, and transferring of propane can be found in CSA B149.2.*

1.3 Purpose

The purpose of this Code is to provide reasonable means to manage the risks associated with the maintenance and repair of vehicles fuelled with propane inside motor vehicle maintenance facilities.

1.4 Terminology

1.4.1 Fuelling and refuelling

The terms “fuelling” and “refuelling” are used interchangeably in this Code.

1.4.2 Propane and hydrocarbons

Where the term “propane” is used, the requirements of this Code include, and apply equally to, any material that is composed predominantly of any of the following hydrocarbons or a mixture of them: propane, propylene, butane (normal butane or isobutane), and butylenes.

1.5 Units of record

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

Notes:

- 1) *CSA B149.5 can be used as a guide when converting Imperial units to metric units.*
- 2) *Less than 1 m will be shown in mm.*
- 3) *1 m or more will be shown in m to the nearest 0.1 m.*
- 4) *Pressures will be rounded to the nearest whole value using traditional rounding conventions.*
- 5) *Where the word “gallon” is used in this Code, it indicates a U.S. gallon equivalent to 3.785 L water capacity.*