

**Portable, pressurized-type,
liquid-petroleum-fuelled lamps and
lanterns**



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Preface

This is the second edition of CSA B140.9.4, *Portable, pressurized-type, liquid-petroleum-fuelled lamps and lanterns*. It supersedes the previous edition, published in 1979. It is the third in a series of Standards covering minimum requirements for safe operation, acceptable performance, marking, and testing of portable, liquid-fuel-burning appliances. The other Standards in the series are

- (a) CSA B140.9.1, *Portable liquid fuelled catalytic appliances*; and
- (b) CSA B140.9.2, *Portable, pressurized-type, liquid-petroleum-fuelled camp stoves*.

Safe and satisfactory use of portable, liquid-fuelled appliances depends in part on correct operation and the burning of appropriate fuel.

Although these appliances do not require installation and are generally self-contained, the intent and the definitions of the latest edition of CSA B139, *Installation code for oil-burning equipment*, should be applied to the use of this equipment.

This Standard has been revised to reflect SI units as the primary measurement system and to update the instructions and marking requirements.

This Standard was prepared by the Technical Committee on Oil Burning Appliance Standards, under the jurisdiction of the Strategic Steering Committee on Fuel Burning Equipment, and has been formally approved by the Technical Committee.

February 2010

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 the 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 publication 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 publication.
- (4) CSA Standards are subject to periodic review, and suggestions for their improvement will be referred to the appropriate committee.
- (5) All enquiries regarding this Standard, including requests for interpretation, should be addressed to Canadian Standards Association, 5060 Spectrum Way, Suite 100, Mississauga, Ontario, Canada L4W 5N6.
Requests for interpretation should
 - (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) be phrased where possible to permit a specific “yes” or “no” answer.

Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are published in CSA’s periodical Info Update, which is available on the CSA Web site at www.csa.ca.

B140.9.4-10

Portable, pressurized-type, liquid-petroleum-fuelled lamps and lanterns

1 Scope

1.1

This Standard applies to portable, pressurized-type, liquid-petroleum-fuelled lamps and lanterns with one or more burners.

Note: The term “device” as used in this Standard refers to both lamps and lanterns as defined in Clause 3. The term “lamp” or “lantern” is used where specific reference is intended.

1.2

This Standard applies to devices intended for use outdoors only.

1.3

This Standard may be applied to devices using alcohol-type fuel with a pressurized fuel system.

1.4

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.

1.5

In CSA Standards, “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 provide 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.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

2 Reference publications

This publication refers to the following publications, and where such reference is made, it shall be the edition listed below:

CSA (Canadian Standards Association)

C139-09

Installation code for oil-burning equipment