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C22.2 No. 218.1-13

Spas, hot tubs, and associated equipment

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***Spas, hot tubs, and associated
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Preface

This is the second edition of CSA C22.2 No. 218.1, *Spas, hot tubs, and associated equipment*. It supersedes the previous edition published in 1989. It is one of a series of Standards issued by CSA Group under Part II of the *Canadian Electrical Code*.

For general information on the Standards of the *Canadian Electrical Code, Part II*, see the preface of CAN/CSA-C22.2 No. 0.

This Standard was prepared by the Subcommittee on Hydro-Massage Spas, Hot Tubs, and Associated Equipment, under the jurisdiction of the Technical Committee on Consumer and Commercial Products and the Strategic Steering Committee on Requirement for Electrical Safety, and has been formally approved by the Technical Committee.

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** 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.

- 5) *This Standard is subject to periodic review, and 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** 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.*

C22.2 No. 218.1-13

Spas, hot tubs, and associated equipment

1 Scope

1.1

This Standard applies to spas, hot tubs, and associated equipment intended for residential and commercial use indoors or outdoors in nonhazardous locations, installed in accordance with the Rules of the *Canadian Electrical Code, Part I*, and connected

- a) permanently to an electrical circuit of 250 V or less (i.e., a maximum of 150 volts-to-ground); or
- b) by a factory-provided supply cord, terminating in a moulded attachment plug, to an electrical supply rated at not more than 125 V single-phase and not more than 15 A.

Note: See Clause 4.2.8 for requirements for plug- and cord-connected equipment.

1.2

Clauses 4 to 6 apply to spas and hot tubs. Clauses 7 to 9 apply to associated equipment, as follows:

- a) Clause 7 — remote packaged units for use with spas and hot tubs;
- b) Clause 8 — lighting equipment provided as an integral part of a spa or hot tub; and
- c) Clause 9 — electrolytic chlorine and bromine generators.

1.3

This Standard does not apply to

- a) hydromassage bathtubs (covered in CSA C22.2 No. 218.2);
- b) portable hydromassage units;
- c) heated bathtubs;
- d) hydrotherapy bathtubs or units; and
- e) swimming pool heaters.

1.4

General requirements applicable to this Standard are given in CAN/CSA-C22.2 No. 0, *General Requirements — Canadian Electrical Code, Part II*.

1.5

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; “may” is used to express an option or that which is permissible within the limits of the standard; and “can” is used to express possibility or capability.

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.

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