



CSA B64.10:23/CSA B64.10.1:23
National Standard of Canada



Selection and installation of backflow preventers/Maintenance and field testing of backflow preventers



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preventers***



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Preface

This volume contains the eighth edition of CSA B64.10, *Selection and installation of backflow preventers*, and the fifth edition of CSA B64.10.1, *Maintenance and field testing of backflow preventers*. CSA B64.10 supersedes the previous editions published in 2017, 2011, 2007, 2001, 1994, 1988 (as part of the CAN/CSA-B64 Series), and 1981. CSA B64.10.1 supersedes the previous editions published in 2017, 2011, 2007, and 2001.

This edition includes the following major changes:

- a) for CSA B64.10:
 - i) revision to the use of AVB, HCVB, DCAP, LFVB, DuCV, and ASVB devices;
 - ii) addition of Clause [5.3.3](#) for area protection and updates to Table [2](#);
 - iii) addition of Clause [5.4.2](#) for buildings classified as moderate hazards;
 - iv) addition of Clause [5.4.3](#) for single tenancy with multiple functions;
 - v) addition of Clause [5.4.4](#) for individual protection;
 - vi) updates to Clause [5.10](#) for heat exchangers;
 - vii) addition of Clause [5.11](#) for chemical dispensing systems;
 - viii) clarification of field testing at installation in Clause [6.1.5](#);
 - ix) updates to test cock requirements in Clause [6.4.3](#);
 - x) updates to the guides for degree of hazard for point of use cross-connections and premises in Tables [B.1](#) and [B.2](#);
 - xi) updates to the authorized functions list in Annex [E](#); and
 - xii) addition of a note on chemical breakdown to the Hodge and Sterner scale table in Annex [G](#);
and
- b) for CSA B64.10.1:
 - i) clarification on field testing requirements in Clause [4.1.1](#); and
 - ii) addition of pressure drop across check valve 2 procedure for RP devices.

These Standards are intended as a guide for designers of potable water supply and plumbing systems in the selection of the proper type of device, for installers and owners in the installation and maintenance of the devices, and for inspection authorities in the testing of the devices after they have been installed. The Standards provide information on other methods of preventing contamination of potable water by backflow from back siphonage or back pressure.

These Standards provide selection criteria, installation, and maintenance procedures, and techniques that represent the general state of the art, but should not be construed as all-inclusive, especially where procedures and techniques are altered to meet special conditions. Where there are problems with a specific installation, it is suggested that the manufacturer of the backflow preventer be consulted.

These Standards were prepared by the Technical Committee on Backflow Preventers and Water Pressure Reducing Valves, under the jurisdiction of the Strategic Steering Committee on Construction and Civil Infrastructure, and have been formally approved by the Technical Committee.

These Standards have been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. They have been published as National Standards of Canada by CSA Group.

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