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ASME A112.3.4-2018/CSA B45.9-18

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Macerating toilet systems and waste-pumping systems for plumbing fixtures



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Preface

This is the second edition of ASME A112.3.4/CSA B45.9, *Macerating toilet systems and waste-pumping systems for plumbing fixtures*. This Standard supersedes ASME A112.3.4-2013/CSA B45.9-13, *Plumbing fixtures with pumped waste and macerating toilet systems*.

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

This Standard was prepared by the ASME/CSA Joint Harmonization Task Group on Plumbing Fixtures, under the jurisdiction of the ASME Standards Committee on Plumbing Materials and Equipment and the CSA Technical Committee on Plumbing Fixtures. The CSA Technical Committee operates under the jurisdiction of the CSA Strategic Steering Committee on Construction and Civil Infrastructure. This Standard was formally approved by the ASME Standards Committee and the CSA Technical Committee This Standard was approved as an American National Standard by the American National Standards Institute on May 31, 2018.

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ASME A112.3.4-2018/CSA B45.9-18
Macerating toilet systems and waste-pumping systems for plumbing fixtures

1 Scope

1.1
This Standard specifies requirements for materials, construction, performance, testing, and markings for macerating toilet systems and waste-pumping systems for plumbing fixtures. Such systems are intended to collect, grind, and pump, or collect and pump waste from a fixture (e.g., a water closet, lavatory, shower, or bathtub) and pump the waste to the sanitary drainage system.

1.2
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.

1.3
SI units are the units of record in Canada. In this Standard, the inch/pound units are shown in parentheses.

The values stated in each measurement system are equivalent in application; however, each system is to be used independently. Combining values from the two measurement systems can result in non-conformance with this Standard.

All references to gallons are to U.S. gallons.

2 Reference publications
This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.

ASME (The American Society of Mechanical Engineers)/CSA Group

ASME A112.19.1-2013/CSA B45.2-13
Enamelled cast iron and enamelled steel plumbing fixtures

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