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ASME A112.19.5-2017/CSA B45.15-17

Flush valves and spuds for water closets, urinals, and tanks



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Contents

ASME A112 Standards Committee on Plumbing Materials and Equipment 2

CSA Technical Committee on Plumbing Fixtures 5

CSA/ASME Harmonization Task Group on Plumbing Fixtures 10

Preface 12

1 Scope 14

2 Reference publications 14

3 Definitions and abbreviations 15

3.1 Definitions 15

3.2 Abbreviations 15

4 Design requirements 15

4.1 Rated temperatures 15

4.2 Threads 15

4.3 Overflow tubes 16

4.4 Spud dimensions 16

5 Performance requirements and test methods 16

5.1 General 16

5.1.1 Preconditioning 16

5.1.2 Installation for testing 16

5.1.3 Flush valve assembly 16

5.2 Life cycle test 16

5.2.1 Performance requirements 16

5.2.2 Test method 16

5.3 Thread torque test 17

5.3.1 Performance requirements 17

5.3.2 Test method 17

5.4 Fixture and flush valve joint leak test 17

5.4.1 Performance requirement 17

5.4.2 Test method 17

5.5 Leak rate and accelerated chemical resistance tests 17

5.5.1 General 17

5.5.2 Performance requirement 17

5.5.3 Test methods 18

6 Markings 19

6.1 Manufacturer's name or trademark 19

6.2 Packaging 19

Annex A (informative) — Unit conversion and rounding criteria 22

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Preface

This is the second edition of ASME A112.19.5/CSA B45.15, *Flush valves and spuds for water closets, urinals, and tanks*. It supersedes the previous edition published in 2011.

This edition includes the following changes:

- a) addition of 3/4 spud size in Table 2;
- b) update to markings and packaging requirements;
- c) update to chemical resistance test procedure requirements; and
- d) update to the minimum effective thread length dimension.

This Standard is considered suitable for use with conformity assessment within its stated scope.

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 has been 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 23, 2017.

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ASME A112.19.5-2017/CSA B45.15-17

Flush valves and spuds for water closets, urinals, and tanks

1 Scope

1.1

This Standard covers spuds and flush valves for water closet bowls, tanks, and urinals.

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; 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 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 (nonmandatory) 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.

For information on the conversion criteria used in this Standard, see Annex [A](#).

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.

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ASME A112.19.2-2013/CSA B45.1-13

Ceramic plumbing fixtures