



**CSA
Group**

ASME A112.18.6-2017/CSA B125.6-17

Flexible water connectors

Currently in preview, click buy full version

Legal Notice for Harmonized Standard Jointly Developed by ASME and CSA Group

Intellectual property rights and ownership

As between American Society of Mechanical Engineers (“ASME”) and Canadian Standards Association (Operating as “CSA Group”) (collectively “ASME and CSA Group”) and the users of this document (whether it be in printed or electronic form), ASME and CSA Group are the joint owners of all works contained herein that are protected by copyright, all trade-marks (except as otherwise noted to the contrary), and all inventions and trade secrets that may be contained in this document, whether or not such inventions and trade secrets are protected by patents and applications for patents. The unauthorized use, modification, copying, or disclosure of this document may violate laws that protect the intellectual property of ASME and CSA Group and may give rise to a right in ASME and CSA Group to seek legal redress for such use, modification, copying, or disclosure. ASME and CSA Group reserve all intellectual property rights in this document.

Disclaimer and exclusion of liability

This document is provided without any representations, warranties, or conditions of any kind, express or implied, including, without limitation, implied warranties or conditions concerning this document’s fitness for a particular purpose or use, its merchantability, or its non-infringement of any third party’s intellectual property rights. ASME and CSA Group do not warrant the accuracy, completeness, or currency of any of the information published in this document. ASME and CSA Group make no representations or warranties regarding this document’s compliance with any applicable statute, rule, or regulation.

IN NO EVENT SHALL ASME AND CSA GROUP, THEIR RESPECTIVE VOLUNTEERS, MEMBERS, SUBSIDIARIES, OR AFFILIATED COMPANIES, OR THEIR EMPLOYEES, DIRECTORS, OR OFFICERS, BE LIABLE FOR ANY DIRECT, INDIRECT, OR INCIDENTAL DAMAGES, INJURY, LOSS, COSTS, OR EXPENSES, HOWSOEVER CAUSED, INCLUDING BUT NOT LIMITED TO SPECIAL OR CONSEQUENTIAL DAMAGES, LOST REVENUE, BUSINESS INTERRUPTION, LOST OR DAMAGED DATA, OR ANY OTHER COMMERCIAL OR ECONOMIC LOSS, WHETHER BASED IN CONTRACT, TORT (INCLUDING NEGLIGENCE), OR ANY OTHER THEORY OF LIABILITY, ARISING OUT OF OR RESULTING FROM ACCESS TO OR POSSESSION OR USE OF THIS DOCUMENT, EVEN IF ASME OR CSA GROUP HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, INJURY, LOSS, COSTS, OR EXPENSES.

In publishing and making this document available, ASME and CSA Group are not undertaking to render professional or other services for or on behalf of any person or entity or to perform any duty owed by any person or entity to another person or entity. The information in this document is directed to those who have the appropriate degree of experience to use and apply its contents, and ASME and CSA Group accept no responsibility whatsoever arising in any way from any and all use of or reliance on the information contained in this document.

ASME and CSA Group have no power, nor do they undertake, to enforce compliance with the contents of the standards or other documents they jointly publish.

Authorized use of this document

This document is being provided by ASME and CSA Group for informational and non-commercial use only. The user of this document is authorized to do only the following:

If this document is in electronic form:

- load this document onto a computer for the sole purpose of reviewing it;
- search and browse this document; and
- print this document if it is in PDF format.

Limited copies of this document in print or paper form may be distributed only to persons who are authorized by ASME and CSA Group to have such copies, and only if this Legal Notice appears on each such copy.

In addition, users may not and may not permit others to

- alter this document in any way or remove this Legal Notice from the attached standard;
- sell this document without authorization from ASME and CSA Group; or
- make an electronic copy of this document.

If you do not agree with any of the terms and conditions contained in this Legal Notice, you may not load or use this document or make any copies of the contents hereof, and if you do make such copies, you are required to destroy them immediately. Use of this document constitutes your acceptance of the terms and conditions of this Legal Notice.



Standards Update Service

ASME A112.18.6-2017/CSA B125.6-17 August 2017

Title: *Flexible water connectors*

To register for e-mail notification about any updates to this publication

- go to shop.csa.ca
- click on **CSA Update Service**

The **List ID** that you will need to register for updates to this publication is **24246.0**

If you require assistance, please e-mail techsupport@csagroup.org or call 416-747-2233.

Visit CSA Group's policy on privacy at www.csagroup.org/legal to find out how we protect your personal information.

ASME/CSA Standard

ASME A112.18.6-2017/CSA B125.6-17 Flexible water connectors



®A trademark of the Canadian Standards Association and CSA America Inc., operating as "CSA Group"

*Published in August 2017 by CSA Group
A not-for-profit private sector organization
178 Rexdale Boulevard, Toronto, Ontario, Canada M9W 1R3
1-800-463-6727 • 416-747-4044*

Visit the CSA Group Online Store at shop.csa.ca

*The American Society of Mechanical Engineers (ASME)
Two Park Avenue
New York, NY 10016-5990, USA
1-800-843-2763*

Visit the ASME Online Store at www.asme.org

Commitment for Amendments

This Standard is issued jointly by the American Society of Mechanical Engineers (ASME) and the Canadian Standards Association (Operating as “CSA Group”). Amendments to this Standard will be made only after processing according to the Standards writing procedures of both ASME and CSA Group.

The American Society of Mechanical Engineers (ASME)
Two Park Avenue
New York, NY 10016-5990
USA
1-800-843-2763
Visit the ASME Online Store at
www.asme.org

Copyright © 2017 by The American Society of Mechanical Engineers (ASME)

The 2017 edition of this Standard is being issued with an automatic addenda subscription service. The use of addenda allows revisions made in response to public review comments or committee actions to be published as necessary.

Published in August 2017 by
CSA Group
A not-for-profit private sector organization
178 Rexdale Boulevard
Toronto, Ontario, Canada
M9W 1R3
1-800-463-6727 or 416-747-4044
Visit the CSA Group Online Store at
shop.csa.ca

ISBN 978-1-4883-0468-2

© CSA Group — 2017

All rights reserved. No part of this publication may be reproduced in any form whatsoever without the prior permission of the publisher.

Contents

ASME A112 Standards Committee on Plumbing Materials and Equipment 3

CSA Technical Committee on Plumbing Fittings 6

CSA/ASME Harmonization Task Group on Plumbing Fixtures 11

Preface 13

1 Scope 15

2 Reference publications 15

3 Definitions and abbreviations 17

3.1 Definitions 17

3.2 Abbreviations 17

4 General requirements 17

4.1 Toxicity and lead content 17

4.2 Materials 17

4.3 Coatings 18

4.4 Connections 18

4.4.1 General 18

4.4.2 Pipe threads 18

4.4.3 Hose end threads 18

4.4.4 Fill valve threads 18

4.4.5 Solder connections 18

4.4.6 Flare connections 18

4.4.7 Compression connections 18

4.4.8 Push-fit fittings 19

4.4.9 Alternate connections 19

4.5 Water heater flexible connectors 19

4.6 Working pressure 19

4.7 Working temperature 19

5 Performance requirements and test methods 19

5.1 General 19

5.2 Intermittent impulse pressure test 19

5.2.1 Performance 19

5.2.2 Procedure 20

5.3 Burst pressure test 20

5.3.1 Performance 20

5.3.2 Procedure 20

5.4 Pressure drop test 20

5.4.1 Performance 20

5.4.2 Set-up 20

5.4.3 Procedure 21

5.5 Torque test 21

6 Markings 21

Annex A (informative) — Exposure to aqueous chloramine 23

Annex B (informative) — Unit conversion and rounding criteria 24

Currently in preview, click buy full version

ASME A112 Standards Committee on Plumbing Materials and Equipment

W.M. Smith	American Society of Plumbing Engineers, Montgomery, Alabama, USA	<i>Chair</i>
S. Rawalpindiwala	Kohler Co., Kohler, Wisconsin, USA	<i>Vice-Chair</i>
T.J. Stessman	Kohler Co., Kohler, Wisconsin, USA	<i>Alternate</i>
R.K. Adler	City of San Jose, San Jose, California, USA	
J.A. Ballanco	JB Engineering & Code Consulting, PC, Munster, Indiana, USA	
J.E. Bertrand	Moen Incorporated, North Olmsted, Ohio, USA	
A. Bonlender	Bradley Corporation, Menomonee Falls, Wisconsin, USA	
R. Burnham	Zurn Industries, LLC, Erie, Pennsylvania, USA	
M. Campos	ICC Evaluation Service, LLC, Orland, California, USA	
S.L. Cavanaugh	Cavanaugh Consulting, Santa Fe, New Mexico, USA	
W.E. Chapin	Professional Code Consulting, LLC, Cullman, Alabama, USA	
P.V. Delmarco	IAPMO, Dayton, New Jersey, USA	
C.N. Gross	IAPMO, Ontario, California, USA	<i>Alternate</i>

N.E. Dickey	CSA Group, Cleveland, Ohio, USA	
F. DiFolco	CSA Group, Toronto, Ontario, Canada	<i>Alternate</i>
G.S. Duren	Code Compliance, Inc., S Pasadena, Florida, USA	
R. Emmerson	Consultant, Mundelein, Illinois, USA	
C.L. Jahrling	ASSE International, Chicago, Illinois, USA	<i>Contributing Member</i>
R.L. George	Plumb-Tech Design and Consulting Services I.L.C., Newport, Michigan, USA	
G.W. Harrison	Wayne Harrison Consulting, Edmond, Oklahoma, USA	
L. Himmelblau	Chicago Faucet, Des Plaines, Illinois, USA	
J.M. Koeller	Koeller and Co., Yorba Linda, California, USA	
N.M. Kummerlen	Consultant, Lorain, Ohio, USA	<i>Contributing Member</i>
C.J. Lagan	IXEL Water Technologies Americas, Piscataway, New Jersey, USA	
J.W. Lauer	Sloan Valve Company, Huntington Beach, California, USA	
D. Clierman	Sloan Valve Company, Huntington Beach, California, USA	<i>Alternate</i>
W.H. LeVan	Cast Iron Soil Pipe Institute, Panama City Beach, Florida, USA	
D. Marbry	Fluidmaster, Inc., San Juan Capistrano, California, USA	

R. Mata	CSA Group, Cleveland, Ohio, USA	
D. Liang	CSA Group, Guangzhou, China	<i>Alternate</i>
D. Orton	NSF International, Ann Arbor, Michigan, USA	
S. Aridi	NSF International, Ann Arbor, Michigan, USA	<i>Alternate</i>
S.A. Remedios	Remedios Consulting LLC, London, Ontario, Canada	
M. Sigler	Plumbing Manufacturers International, Rolling Meadows, Illinois, USA	
G.L. Simmons	Charlotte Pipe & Foundry, Charlotte, North Carolina, USA	
D.G. Waggoner	Charlotte Pipe & Foundry, Charlotte, North Carolina, USA	<i>Alternate</i>
D. Viola	IAPMO, Mokena, Illinois, USA	
L.A. Mercer	IAPMO, Mokena, Illinois, USA	<i>Alternate</i>
J.C. Watson	Elkay Manufacturing, Cock Brook, Illinois, USA	
M. Weiss	Plumbing and Drainage Institute, Polson, Montana, USA	
W.C. Whitehead	Whitehead Consulting Services, Peabody, Massachusetts, USA	
A.L. Guzman	American Society of Mechanical Engineers, New York, New York, USA	<i>Staff Secretary</i>

CSA Technical Committee on Plumbing Fittings

K. Ernst	Oakville Stamping & Bending Limited, Oakville, Ontario, Canada <i>Category: Producer Interest</i>	<i>Chair</i>
W. Ball	Woodford Manufacturing Company, Colorado Springs, Colorado, USA	<i>Associate</i>
J.E. Bertrand	Moen Incorporated, North Olmsted, Ohio, USA <i>Category: Producer Interest</i>	
A. Bonlender	Bradley Corporation, Menomonee Falls, Wisconsin, USA	<i>Associate</i>
S. Breda	Omni Brass Inc., North York, Ontario, Canada <i>Category: User Interest</i>	
T. Burke	Victoria + Albert Baths Ltd., Telford, , United Kingdom	<i>Associate</i>
R. Burnham	Zurn Industries LLC, Erie, Pennsylvania, USA	<i>Associate</i>
M. Campos	International Code Council, Brea, California, USA	<i>Associate</i>
W.E. Chapin	Professional Code Consulting, LLC, Cullman, Alabama, USA	<i>Associate</i>
Y. Duchesne	Régie du bâtiment du Québec, Québec, Québec <i>Category: Regulatory Authority</i>	
C. Erickson	Underwriters Laboratories Inc., Northbrook, Illinois, USA	<i>Associate</i>
W. Falcomer	The Corporation of the City of Ottawa, Ottawa, Ontario, Canada <i>Category: Regulatory Authority</i>	

F. Fernández	Toto U.S.A. Inc, Ontario, California, USA	<i>Associate</i>
M. Fish	Zurn Industries, LLC, Cary, North Carolina, USA	<i>Associate</i>
D. Gleiberman	Sloan, Los Angeles, California, USA	<i>Associate</i>
D. Green	National Research Council Canada, Canadian Codes Centre, Ottawa, Ontario, Canada	<i>Associate</i>
M. Guard	International Code Council (ICC), Washington, DC, USA	<i>Associate</i>
R. Guinn	Oro-Medonte, Ontario, Canada <i>Category: User Interest</i>	
L. Himmelblau	Chicago Faucets Geberit Manufacturing Division, Des Plaines, Illinois, USA <i>Category: Producer Interest</i>	
E. Ho	IAPMO Research & Testing Inc, Markham, Ontario, Canada	<i>Associate</i>
E. Hood	H. H. Angus & Associates Ltd., Toronto, Ontario, Canada <i>Category: User Interest</i>	
K.S. Hui	Ontario Ministry of Municipal Affairs, Toronto, Ontario, Canada <i>Category: Regulatory Authority</i>	
C. Jahrling	ASSE International, Mokena, Illinois, USA	<i>Associate</i>
A. Knapp	A. Knapp & Associates, Toronto, Ontario, Canada <i>Category: General Interest</i>	
J. Knapton	SAIT Polytechnic, Calgary, Alberta, Canada <i>Category: General Interest</i>	

J. Koeller	Koeller and Company, Yorba Linda, California, USA <i>Category: General Interest</i>	
F. Lemieux	Health Canada, Ottawa, Ontario, Canada <i>Category: Regulatory Authority</i>	
D. Liang	CSA Group, Guangzhou, , China	<i>Associate</i>
R. Liao	Xiamen Lota International Co. Ltd., Xiamen, , China	<i>Associate</i>
J. MacDonald	BLANCO Canada Inc., Brampton, Ontario, Canada	<i>Associate</i>
M. Malatesta	American Standard Brands/LWTA, Piscataway, New Jersey, USA	<i>Associate</i>
D. Marbry	Fluidmaster Inc., San Juan Capistrano, California, USA	<i>Associate</i>
C. McLeod	Kohler Co., Kohler, Wisconsin, USA <i>Category: Producer Interest</i>	<i>Associate</i>
D. McNamara	Franke Kindred Canada Limited, Midland, Ontario <i>Category: Producer Interest</i>	
M. Mohammed	Reliance Worldwide Corp. (Canada) Inc., Vaughan, Ontario, Canada	<i>Associate</i>
A. Murra	Abraham Murra Consulting, Oakville, Ontario, Canada	<i>Associate</i>
S.R. O'Neill	Mohawk College of Applied Arts and Technology, Stoney Creek, Ontario, Canada	<i>Associate</i>
D. Orton	NSF International, Ann Arbor, Michigan, USA	<i>Associate</i>

P. Paré	Masco Canada Limited, St. Thomas, Ontario, Canada <i>Category: Producer Interest</i>	
R. Pickering	Eastern Research Group, Inc. (ERG), Morrisville, North Carolina, USA	<i>Associate</i>
S.M. Rawalpindiwala	Kohler Co. Plumbing Division, Kohler, Wisconsin, USA <i>Category: Producer Interest</i>	
S.A. Remedios	Remedios Consulting LLC, London, Ontario, Canada <i>Category: User Interest</i>	
P. Saeed	Powers, A Watts Brand, Mt. Prospect, Illinois, USA <i>Category: Producer Interest</i>	
R. Sharma	U.S. Environmental Protection Agency, Washington, DC, USA	<i>Associate</i>
M. Sigler	Plumbing Manufacturers Int'l, Rolling Meadows, Illinois, USA	<i>Associate</i>
W.M. Smith	American Society of Plumbing Engineers (ASPE), Montgomery, Alabama, USA <i>Category: General Interest</i>	
S. Sparling	Giffin Koerth Forensic Engineering, Toronto, Ontario, Canada <i>Category: General Interest</i>	
J. St-Denis	Intertek Testing Services NA Ltd. Services d'essais Intertek AN Ltee., Lachine, Québec, Canada	<i>Associate</i>
S. Tanner	U.S. Environmental Protection Agency, Washington, DC, USA <i>Category: General Interest</i>	
C.W. Trendelman	Bargersville, Indiana, USA	<i>Associate</i>
C. Tripodi	Moen Incorporated, Oakville, Ontario, Canada	<i>Associate</i>

D. Tyner	Delta Faucet Company, Indianapolis, Indiana, USA	<i>Associate</i>
J.C. Watson	Elkay, Oak Brook, Illinois, USA	<i>Associate</i>
S. Williams	Watts Water Technologies (Canada) Inc., Burlington, Ontario, Canada	<i>Associate</i>
C. Wright	Ontario Pipe Trades, Dundalk, Ontario, Canada	<i>Associate</i>
L. Pilla	CSA Group, Toronto, Ontario	<i>Project Manager</i>

CSA/ASME Harmonization Task Group on Plumbing Fixtures

P. Paré	Masco Canada Ltd., St. Thomas, Ontario, Canada	<i>Co-Chair</i>
S. Remedios	Remedios Consulting LLC, London, Ontario, Canada	<i>Co-Chair</i>
M. Campos	International Code Council, Whittier, California, USA	
I. Chang	Intertek Testing Services NA Ltd., Coquitlam, British Columbia, Canada	
N.E. Dickey	CSA Group, Cleveland, Ohio, USA	
K. Ernst	Oakville Stamping & Bending Limited, Oakville, Ontario, Canada	
R. Guinn	Oro-Medonte, Ontario, Canada	
L. Himmelblau	Chicago Faucets Geberit Manufacturing Division, Des Plaines, Illinois, USA	
E. Ho	IAPMO Research & Testing Inc., Markham, Ontario, Canada	
A. Knapp	A. Knapp & Associates, Toronto, Ontario, Canada	
N. M. Kummerlen	Consultant, Lorain, Ohio, USA	
F. Lemieux	Health Canada, Ottawa, Ontario, Canada	
D. Liang	CSA Group, Guangzhou, China	<i>Associate</i>

M. Malatesta	American Standard Brands/LWTA, Piscataway, New Jersey, USA	
D. McNamara	Franke Kindred Canada Limited, Midland, Ontario, Canada	
D. Orton	NSF International, Ann Arbor, Michigan, USA	
S. Rawalpindiwala	Kohler Co. Plumbing Division, Kohler, Wisconsin, USA	
P. Saeed	Powers, A Division of Watts Water Technologies, Inc., Buffalo Grove, Illinois, USA	
W.M. Smith	American Society of Plumbing Engineers (ASPE), Montgomery, Alabama, USA	
C. Wright	Ontario Pipe Trades, Dundalk, Ontario, Canada	
L. Pilla	CSA Group, Toronto, Ontario, Canada	<i>Project Manager</i>

Preface

This is the second edition of ASME A112.18.6/CSA B125.6, *Flexible water connectors*. It supersedes the previous edition published in 2009.

The following changes appear in this edition:

- a) updated reference to the latest edition of NSF 61;
- b) revised working temperatures;
- c) new low lead requirements;
- d) updated fill valve thread requirements; and
- e) updated ice maker pressure drop requirements.

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 Fittings, under the jurisdiction of ASME Standards Committee on Plumbing Materials and Equipment and the CSA Technical Committee on Plumbing Fittings. The CSA Technical Committee operates under the jurisdiction of the CSA Strategic Steering Committee on Water Management Products, Materials, and Systems. 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 June 19, 2017.

ASME Notes:

- 1) *This standard was developed under procedures accredited as meeting the criteria for American National Standards and it is an American National Standard. The Standards Committee that approved the code or standard was balanced to assure that individuals from competent and concerned interests have had an opportunity to participate. The proposed Standard was made available for public review and comment that provides an opportunity for additional public input from industry, academia, regulatory agencies, and the public-at-large.*
- 2) *ASME does not “approve,” “rate,” or “endorse” any item, construction, proprietary device, or activity.*
- 3) *ASME does not take any position with respect to the validity of any patent rights asserted in connection with any items mentioned in this document, and does not undertake to insure anyone utilizing a standard against liability for infringement of any applicable letters patent, nor assume any such liability. Users of a standard are expressly advised that determination of the validity of any such patent rights, and the risk of infringement of such rights, is entirely their own responsibility.*
- 4) *Participation by federal agency representative(s) or person(s) affiliated with industry is not to be interpreted as government or industry endorsement of this standard.*
- 5) *ASME accepts responsibility for only those interpretations of this document issued in accordance with the established ASME procedures and policies, which precludes the issuance of interpretations by individuals.*
- 6) *ASME issues written replies to inquiries concerning interpretation of technical aspects of this Standard. All inquiries regarding this Standard, including requests for interpretations, should be addressed to:*
Secretary, A112 Standards Committee
The American Society of Mechanical Engineers
Two Park Avenue
New York, NY 10016-5990

A request for interpretation should be clear and unambiguous. The request should

- cite the applicable edition of the Standard for which the interpretation is being requested.
- phrase the question as a request for an interpretation of a specific requirement suitable for general understanding and use, not as a request for an approval of a proprietary design or situation. The inquirer may also include any plans or drawings, which are necessary to explain the question; however, they should not contain proprietary names or information.

ASME procedures provide for reconsideration of any interpretation when or if additional information that might affect an interpretation is available. Further, persons aggrieved by an interpretation may appeal to the cognizant ASME Committee.

Interpretations are published on the ASME Web site under the Committee Pages at <http://www.asme.org/codes/> as they are issued.

CSA 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 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) To submit a request for interpretation of CSA Standards, please send the following information to inquiries@csa.ca 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 published in CSA’s periodical Info Update, which is available on the CSA website at <http://standardsactivities.csa.ca>.
- 5) CSA Standards are subject to periodic review, and suggestions for their improvement will be referred to the appropriate committee. To submit a proposal for change to CSA Standards, please send the following information to inquiries@csa.ca 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.
- 6) Attention is drawn to the possibility that some of the elements of this Standard may be the subject of patent rights. CSA is not to be held responsible for identifying any or all such patent rights. Users of this Standard are expressly advised that determination of the validity of any such patent rights is entirely their own responsibility.

ASME A112.18.6-2017/CSA B125.6-17

Flexible water connectors

1 Scope

1.1

This Standard covers flexible water connectors for use in water supply systems under

- a) continuous pressure in accessible locations; and
- b) intermittent pressure in recreational vehicles only.

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 (non-mandatory) to define their application.

1.3

SI units are the units of record in Canada. In this Standard, the yard/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 B.

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)

A112.19.5-2005

Trim for Water-Closet Bowls, Tanks, and Urinals

B1.1-2003 (R2008)

Unified Inch Screw Threads (UN and UNR Thread Form)