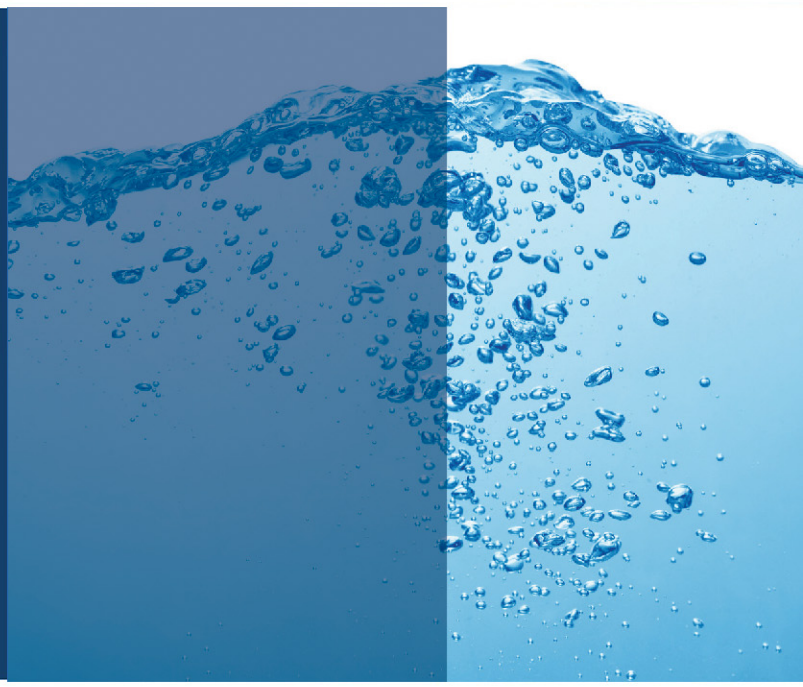
# ASME A112.6.8-2022/ CSA B79.8:22

National Standard of Canada
American National Standard

# Trench drains



# *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.

ASME
SETTING THE STANDARD

CSA GROUP™

# *Standards Update Service*

# *ASME A112.6.8-2022/CSA B79.8:22*
# *July 2022*

**Title:** *Trench drains*

To register for e-mail notification about any updates to this publication
- go to **www.csagroup.org/store/**
- click on **Product Updates**

The **List ID** that you will need to register for updates to this publication is **2429846**.

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.

**Canadian Standards Association (operating as "CSA Group")**, under whose auspices this National Standard has been produced, was chartered in 1919 and accredited by the Standards Council of Canada to the National Standards system in 1973. It is a not-for-profit, nonstatutory, voluntary membership association engaged in standards development and certification activities.

CSA Group standards reflect a national consensus of producers and users — including manufacturers, consumers, retailers, unions and professional organizations, and governmental agencies. The standards are used widely by industry and commerce and often adopted by municipal, provincial, and federal governments in their regulations, particularly in the fields of health, safety, building and construction, and the environment.

More than 10 000 members indicate their support for CSA Group's standards development by volunteering their time and skills to Committee work.

CSA Group offers certification and testing services in support of and as an extension to its standards development activities. To ensure the integrity of its certification process, CSA Group regularly and continually audits and inspects products that bear the CSA Group Mark.

In addition to its head office and laboratory complex in Toronto, CSA Group has regional branch offices in major centres across Canada and inspection and testing agencies in fourteen countries. Since 1919, CSA Group has developed the necessary expertise to meet its corporate mission: CSA Group is an independent service organization whose mission is to provide an open and effective forum for activities facilitating the exchange of goods and services through the use of standards, certification and related services to meet national and international needs.

For further information on CSA Group services, write to
CSA Group
178 Rexdale Boulevard
Toronto, Ontario, M9W 1R3
Canada

A National Standard of Canada is a standard developed by a Standards Council of Canada (SCC) accredited Standards Development Organization, in compliance with requirements and guidance set out by SCC. More information on National Standards of Canada can be found at www.scc.ca.

SCC is a Crown corporation within the portfolio of Innovation, Science and Economic Development (ISED) Canada. With the goal of enhancing Canada's economic competitiveness and social well-being, SCC leads and facilitates the development and use of national and international standards. SCC also coordinates Canadian participation in standards development, and identifies strategies to advance Canadian standardization efforts.

Accreditation services are provided by SCC to various customers, including product certifiers, testing laboratories, and standards development organizations. A list of SCC programs and accredited bodies is publicly available at www.scc.ca.

Standards Council of Canada
600-55 Metcalfe Street
Ottawa, Ontario, K1P 6L5
Canada

Cette Norme Nationale du Canada n'est disponible qu'en anglais.

*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 to judge its suitability for their particular purpose.*
*®A trademark of the Canadian Standards Association, operating as "CSA Group"*

## CSA Group

The Canadian Standards Association (operating as "CSA Group"), under whose auspices this National Standard has been produced, was chartered in 1919 and accredited by the Standards Council of Canada to the National Standards system in 1973. It is a not-for-profit, nonstatutory, voluntary membership association engaged in standards development and certification activities.

CSA Group standards reflect a national consensus of producers and users including manufacturers, consumers, retailers, unions and professional organizations, and governmental agencies. The standards are used widely by industry and commerce and often adopted by municipal, provincial, and federal governments in their regulations, particularly in the fields of health, safety, building and construction, and the environment.

More than 10 000 members indicate their support for CSA Group's standards development by volunteering their time and skills to Committee work.

CSA Group offers certification and testing services in support of and as an extension to its standards development activities. To ensure the integrity of its certification process, CSA Group regularly and continually audits and inspects products that bear the CSA Group Mark.

In addition to its head office and laboratory complex in Toronto, CSA Group has regional branch offices in major centres across Canada and inspection and testing agencies in fourteen countries. Since 1919, CSA Group has developed the necessary expertise to meet its corporate mission: CSA Group is an independent service organization whose mission is to provide an open and effective forum for activities facilitating the exchange of goods and services through the use of standards, certification and related services to meet national and international needs.

For further information on CSA Group services, write to
CSA Group
178 Rexdale Boulevard, Toronto, Ontario,
Canada M9W 1R3

## American National Standards Institute

The American National Standards Institute (ANSI), Inc. is the nationally recognized coordinator of voluntary standards development in the United States through which voluntary organizations, representing virtually every technical discipline and every facet of trade and commerce, organized labor and consumer interests, establish and improve the some 10 000 national consensus standards currently approved as American National Standards.

ANSI provides that the interests of the public may have appropriate participation and representation in standardization activity, and cooperates with departments and agencies of U.S. Federal, state and local governments in achieving compatibility between government codes and standards and the voluntary standards of industry and commerce.

ANSI represents the interests of the United States in international nontreaty organizations such as the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC). The Institute maintains close ties with regional organizations such as the Pacific Area Standards Congress (PASC) and the Pan American Standards Commission (COPANT). As such, ANSI coordinates the activities involved in the U.S. participation in these groups.

ANSI approval of standards is intended to verify that the principles of openness and due process have been followed in the approval procedure and that a consensus of those directly and materially affected by the standards has been achieved. ANSI coordination is intended to assist the voluntary system to ensure that national standards needs are identified and met with a set of standards that are without conflict or unnecessary duplication in their requirements.

Responsibility of approving American standards rests with the
American National Standards Institute, Inc.
25 West 43rd Street, Fourth floor
New York, NY 10036

# *ASME/CSA Standard*

# *ASME A112.6.8-2022/CSA B79.8:22*
# *Trench drains*







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

*Published in July 2022 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 www.csagroup.org/store/***

*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

ISBN 978-0-7918-7522-3
Copyright © 2022 by The American Society of Mechanical Engineers (ASME)

This Standard is available for public review on a continuous basis. This provides an opportunity for additional public input from industry, academia, regulatory agencies, and the public at large.

Published in July 2022 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
www.csagroup.org/store/

ISBN 978-1-4883-4103-8
ICS 91.140.80
© 2022 Canadian Standards Association

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

ASME A112.6.8 Project Team on Trench Drains 7

CSA Technical Committee on Drains and Interceptors 9

ASME/CSA Harmonization Task Group on Drains 13

Preface 16

**1 Scope** 18
1.1 Inclusions 18
1.2 Linear shower drains 18
1.3 Illustrations 18
1.4 Terminology 18
1.5 Units of measure 18
1.6 Alternatives 18

**2 Reference publications** 19

**3 Definitions and abbreviations** 20
3.1 Definitions 20
3.2 Abbreviations 21

**4 Material** 21
4.1 General 21
4.2 Other materials 22
4.2.1 Polymer concrete 22
4.2.2 Precast concrete 22
4.2.3 Fiberglass 22
4.2.4 Thermoplastic compounds 22
4.2.5 Steel 23
4.3 Fastener materials 23
4.3.1 Carbon steel fasteners 23
4.3.2 Removable fasteners 23

**5 Design requirements** 23
5.1 Outlets 23
5.2 Top dimensions — Areas of grate openings 23
5.2.1 Area calculations 23
5.2.2 Area per unit length 23
5.2.3 Heel-resistant grates 23
5.2.4 Grate opening blocking 23
5.3 Channel flow area determination 23

**6 Load test procedures** 24
6.1 General 24


© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association

6.1.1 Channel testing options *24*
6.1.2 Grate and cover testing options *24*
6.1.3 Slot drain testing options *24*
6.2 Channel load test options *24*
6.2.1 AASHTO M306 load test option *24*
6.2.2 EN 1433 load test option *24*
6.2.3 ASME A112.6.3/CSA B79.3 load test option *24*
6.2.4 Encapsulation concrete strength test *25*
6.3 Grate and cover load test options *25*
6.3.1 AASHTO M306 load test option *25*
6.3.2 EN 1433 load test option *25*
6.3.3 ASME A112.6.3/CSA B79.3 load test option *25*
6.4 Slot drain test *26*
6.4.1 Installation of test specimens *26*
6.4.2 AASHTO M306 load test option *26*
6.4.3 EN1433 load test option *26*
6.4.4 ASME A112.6.3/CSA B79.3 load test option *26*

**7 Markings** *26*
7.1 General *26*
7.2 Permanent markings *26*

**8 Literature** *26*


© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association

# ASME A112 Standards Committee on Plumbing Materials and Equipment

| | | |
|---|---|---|
| **W. M. Smith** | American Society of Plumbing Engineers,<br>Montgomery, Alabama, USA | *Chair* |
| **S. Rawalpindiwala** | Kohler Co.,<br>Kohler, Wisconsin, USA | *Vice-Chair* |
| **M. R. Gibeault** | Kohler Co.,<br>Kohler, Wisconsin, USA | *Alternate* |
| **A. L. Guzman Rodriguez** | American Society of Mechanical Engineers,<br>New York, New York, USA | *Staff Secretary* |
| **R. K. Adler** | City of San Jose,<br>San Jose, California, USA | |
| **J. A. Ballanco** | JB Engineering & Code Consulting, PC,<br>Munster, Indiana, USA | |
| **J. E. Bertrand** | Watts Water Technologies, Inc.,<br>Avon, Ohio, USA | |
| **C. Haldiman** | Watts Regulator,<br>North Andover, Massachusetts, USA | *Alternate* |
| **T. Burger** | ASSE International,<br>Mokena, Illinois, USA | |
| **R. Burnham** | Zurn Industries LLC,<br>Erie, Pennsylvania, USA | |
| **M. Campos** | ICC Evaluation Service, LLC,<br>Brea, California, USA | |
| **S. L. Cavanaugh** | Cavanaugh Consulting,<br>Santa Fe, New Mexico, USA | *Contributing Member* |
| **W. E. Chapin** | Professional Code Consulting, LLC,<br>Cullman, Alabama, USA | |


© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association

| | | |
|---|---|---|
| **P. V. DeMarco** | IAPMO,<br>Dayton, New Jersey, USA | |
| **N. E. Dickey** | Hansgrohe, Inc.,<br>Alpharetta, Georgia, USA | |
| **G. S. Duren** | Code Compliance, Inc.,<br>S Pasadena, Florida, USA | |
| **R. Emmerson** | Consultant,<br>Arlington Heights, Illinois, USA | |
| **K. Ernst** | OS&B,<br>Oakville, Ontario, Canada | |
| **R. L. George** | Plumb-Tech Design and Consulting Services L.L.C,<br>Newport, Michigan, USA | |
| **D. Gleiberman** | Sloan Valve Co.,<br>Los Angeles, California, USA | |
| **J. W. Lauer** | Sloan Valve Company,<br>Anaheim, California, USA | *Alternate* |
| **M. Guard** | Regulosity, LLC,<br>Wauwatosa, Wisconsin, USA | |
| **G. W. Harrison** | Wayne Harrison Consulting,<br>Edmond, Oklahoma, USA | |
| **L. Himmelblau** | Chicago Faucet,<br>Des Plaines, Illinois, USA | |
| **J. Kendzel** | American Supply Association,<br>Itasca, Illinois, USA | *Contributing Member* |
| **J. M. Koeller** | Koeller and Co.,<br>Yorba Linda, California, USA | |
| **N. M. Kummerlen** | Consultant,<br>Lorain, Ohio, USA | *Contributing Member* |


© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association

| | | |
|---|---|---|
| **C. J. Lagan** | American Standard/LIXIL,<br>Piscataway, New Jersey, USA | |
| **M. Malatesta** | American Standard/LIXIL,<br>Piscataway, New Jersey, USA | *Alternate* |
| **W. H. LeVan** | Cast Iron Soil Pipe Institute,<br>Auburn, Alabama, USA | |
| **D. Parney** | Cast Iron Soil Pipe Institute,<br>Mundelein, Illinois, USA | *Alternate* |
| **D. Marbry** | Fluidmaster, Inc.,<br>San Juan Capistrano, California, USA | |
| **R. Mata** | American Society of Plumbing Engineers,<br>Mentor, Ohio, USA | |
| **D. Liang** | CSA Group,<br>Toronto, Ontario, Canada | *Contributing Member* |
| **L. A. Mercer** | IAPMO Group,<br>Valley City, Ohio, USA | |
| **J. Menard** | CSA Group,<br>Toronto, Ontario, Canada | *Contributing Member* |
| **A. Murra** | Abraham Murra Consulting,<br>Rancho Santa Margarita, California, USA | |
| **D. Orton** | NSF International,<br>Ann Arbor, Michigan, USA | |
| **A. Ciechanowski** | NSF International,<br>Ann Arbor, Michigan, USA | *Alternate* |
| **R. Pickering** | Eastern Research Group, Inc.,<br>Morrisville, North Carolina, USA | *Contributing Member* |
| **A. Poon** | Delta Faucet Company,<br>Indianapolis, Indiana, USA | |


© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association

| | | |
|---|---|---|
| **B. Ramkarran** | Infinity Drains, LTD.,<br>Amityville, New York, USA | *Contributing Member* |
| **S. A. Remedios** | Remedios Consulting LLC,<br>London, Ontario, Canada | |
| **M. Sigler** | International Code Council,<br>Orlando, Florida, USA | |
| **G. L. Simmons** | Charlotte Pipe & Foundry,<br>Charlotte, North Carolina, USA | |
| **W. B. Morris** | Charlotte Pipe & Foundry,<br>Charlotte, North Carolina, USA | *Alternate* |
| **S. Tanner** | US Environmental Protection Agency,<br>Washington, District of Columbia, USA | *Contributing Member* |
| **J. C. Watson** | Elkay Manufacturing,<br>Downers Grove, Illinois, USA | |
| **M. Weiss** | Plumbing and Drainage Institute,<br>Polson, Montana, USA | |
| **W. C. Whitehead** | Whitehead Consulting Services,<br>Red Oak, Texas, USA | |
| **S. J. McDanal** | Jay R. Smith Mfg. Co.,<br>Montgomery, Alabama, USA | *Alternate* |


© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association

# ASME A112.6.8 Project Team on Trench Drains

| | | |
|---|---|---|
| **B. Tubaugh** | Josam Company,<br>Michigan City, Indiana, USA | *Chair* |
| **J. W. Bolduc** | Neenah Foundry Company,<br>Neenah, Wisconsin, USA | |
| **J. Falle** | Neenah Foundry Company,<br>Oshkosh, Wisconsin, USA | *Alternate* |
| **R. Burnham** | Zurn Industries LLC,<br>Erie, Pennsylvania, USA | |
| **M. Campos** | ICC Evaluation Service, LLC,<br>Brea, California, USA | |
| **J. DelRe** | Jay R. Smith Manufacturing Company,<br>Montgomery, Alabama, USA | |
| **N. E. Dickey** | Hansgrohe, Inc.,<br>Alpharetta, Georgia, USA | |
| **J. Flora** | ABT Inc.,<br>Beecher, Illinois, USA | |
| **R. L. George** | Plumb-Tech Design and Consulting Services L.L.C,<br>Monroe, Michigan, USA | |
| **G. W. Harrison** | Wayne Harrison Consulting,<br>Edmond, Oklahoma, USA | |
| **M. Haydon** | Zurn Industries, LLC,<br>Cary, North Carolina, USA | |
| **R. Hetzler** | Watts Water Technologies, Inc.,<br>Hendersonville, North Carolina, USA | |
| **F. R. Lezza** | BG-Graspointner Inc.,<br>Montréal, Québec, Canada | |


© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association

| | | |
|---|---|---|
| **C. B. Locke** | ABT, Inc,<br>Houston, Texas, USA | |
| **G. Lucier** | North Carolina State University,<br>Raleigh, North Carolina, USA | |
| **R. Mata** | American Society of Plumbing Engineers,<br>Mentor, Ohio, USA | |
| **D. Orton** | NSF International,<br>Ann Arbor, Michigan, USA | |
| **J. Pollock** | Northstar Industries,<br>Cambridge, Ontario, Canada | |
| **G. Potter** | ACO Polymer Products, Inc,<br>Fort Mill, South Carolina, USA | |
| **B. Ramkarran** | Infinity Drain, LTD,<br>Amityville, New York, USA | |
| **A. Carreon** | Infinity Drain, Inc.,<br>Amityville, New York, USA | *Alternate* |
| **A. W. San Solo** | US Foundry,<br>Medley, Florida, USA | |
| **T. Simon** | ABT Inc,<br>Statesville, North Carolina, USA | |
| **D. J. Smith** | Kusel Equipment Co,<br>Watertown, Wisconsin, USA | *Contributing Member* |
| **L. Veldboom** | EJ USA,<br>East Jordan, Michigan, USA | |
| **L. Viswanathan** | Oatey Co.,<br>Cleveland, Ohio, USA | |
| **M. Weiss** | Plumbing & Drainage Institute (PDI),<br>Polson, Montana, USA | |


© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association

# CSA Technical Committee on Drains and Interceptors

| | | |
|---|---|---|
| **R. Beaulieu** | Canplas Industries Ltd,<br>Barrie, Ontario, Canada<br>*Category: Producer Interest* | *Chair* |
| **B. Brown** | Schier Products,<br>Edwardsville, Kansas, USA | *Non-voting* |
| **T. Burger** | ASSE International,<br>Cleveland, Ohio, USA | *Non-voting* |
| **R. Burnham** | Zurn Industries LLC,<br>Erie, Pennsylvania, USA<br>*Category: Producer Interest* | |
| **M. Constantin** | City of Edmonton,<br>Edmonton, Alberta, Canada<br>*Category: Regulatory Authority* | |
| **J. Costa** | Good Harbour Labs,<br>Mississauga, Ontario, Canada | *Non-voting* |
| **P. Despatis** | Régie du bâtiment du Québec,<br>Montréal, Québec, Canada<br>*Category: Regulatory Authority* | |
| **N. Dickey** | Hansgrohe, Inc,<br>Alpharetta, Georgia, USA<br>*Category: Producer Interest* | |
| **G. Emberson** | Contour Industries Inc.,<br>Toronto, Ontario, Canada | *Non-voting* |
| **R. Fenney** | Fenney & Associates Inc,<br>London, Ontario, Canada | *Non-voting* |
| **S. Ferrazzo** | Green Turtle - Zurn,<br>Charlotte, North Carolina, USA | *Non-voting* |


© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association

| | | |
|---|---|---|
| **B. Ghaly** | Watts Regulator Co.,<br>Burlington, Ontario, Canada<br>*Category: Producer Interest* | |
| **M. Gordon** | Regional Municipality of Waterloo,<br>Cambridge, Ontario, Canada<br>*Category: Regulatory Authority* | |
| **A. Guzman Rodriquez** | American Society of Mechanical Engineers (ASME),<br>New York, New York, USA | *Non-voting* |
| **G. Hale** | The Corporation of the Town of Markham,<br>Markham, Ontario, Canada<br>*Category: Regulatory Authority* | |
| **G. W. Harrison** | Wayne Harrison Consulting,<br>Edmond, Oklahoma, USA<br>*Category: User/General Interest* | |
| **E. Ho** | IAPMO Group,<br>Markham, Ontario, Canada<br>*Category: User/General Interest* | |
| **K. S. Hui** | Ontario Ministry of Municipal Affairs,<br>Toronto, Ontario, Canada | *Non-voting* |
| **D. Liang** | CSA Group,<br>Toronto, Ontario, Canada<br>*Category: User/General Interest* | |
| **K. Loucks** | Schier Products Company,<br>Vancouver, Washington, USA<br>*Category: Producer Interest* | |
| **R. Mata** | American Society of Plumbing Engineers,<br>Mentor, Ohio, USA | |
| **A. Mikrogiannakis** | Goslyn Canada,<br>Aurora, Ontario, Canada<br>*Category: Producer Interest* | |
| **A. Murra** | Abraham Murra Consulting,<br>Rancho Santa Margarita, California, USA | *Non-voting* |


© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association

| | | |
|---|---|---|
| **B. Orr** | City of London,<br>London, Ontario, Canada<br>*Category: Regulatory Authority* | |
| **D. Orton** | NSF International,<br>Ann Arbor, Michigan, USA<br>*Category: User/General Interest* | |
| **T. P. Palkon** | IAPMO R&T,<br>Mokena, Illinois, USA | *Non-voting* |
| **H. Parlee** | City of Edmonton,<br>Edmonton, Alberta, Canada | *Non-voting* |
| **F. Piazza** | Richmond Hill, Ontario, Canada | *Non-voting* |
| **A. Puddicomb** | City of Toronto, Toronto Water,<br>Toronto, Ontario, Canada<br>*Category: Regulatory Authority* | |
| **S. A. Remedios** | Remedios Consulting,<br>London, Ontario, Canada<br>*Category: User/General Interest* | |
| **D. Rockwell** | Rockwell Supplies,<br>Lower Sackville, Nova Scotia, Canada | *Non-voting* |
| **W. Smith** | American Society of Plumbing Engineers (ASPE),<br>Montgomery, Alabama, USA | *Non-voting* |
| **C. Spagnuolo** | Region of Peel,<br>Mississauga, Ontario, Canada<br>*Category: Regulatory Authority* | |
| **M. Weiss** | PDI,<br>Polson, Montana, USA<br>*Category: User/General Interest* | |
| **F. Winter** | Canplas,<br>Barrie, Ontario, Canada | *Non-voting* |


© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association

| | | |
|---|---|---|
| **M. Khalil** | CSA Group,<br>Toronto, Ontario, Canada | *Project Manager* |
| **J. Menard** | CSA Group,<br>Toronto, Ontario, Canada | *Project Manager* |



© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association

# ASME/CSA Harmonization Task Group on Drains

| | | |
|---|---|---|
| **B. Tubaugh** | Josam Company,<br>Michigan City, Indiana, USA | *Chair* |
| **R. Beaulieu** | Canplas Industries Ltd,<br>Barrie, Ontario, Canada | |
| **J. W. Bolduc** | Neenah Foundry Company,<br>Neenah, Wisconsin, USA | |
| **T. Burger** | ASSE International,<br>Cleveland, Ohio, USA | |
| **J. Falle** | Neenah Foundry Company,<br>Oshkosh, Wisconsin, USA | *Alternate* |
| **R. Burnham** | Zurn Industries LLC,<br>Erie, Pennsylvania, USA | |
| **M. Campos** | ICC Evaluation Service, LLC,<br>Brea, California, USA | |
| **J. DelRe** | Jay R. Smith Manufacturing Company,<br>Montgomery, Alabama, USA | |
| **N. E. Dickey** | Hansgrohe, Inc.,<br>Alpharetta, Georgia, USA | |
| **J. Flora** | ABT Inc.,<br>Beecher, Illinois, USA | |
| **R. L. George** | Plumb-Tech Design and Consulting Services L.L.C,<br>Monroe, Michigan, USA | |
| **D. Liang** | CSA Group,<br>Toronto, Ontario, Canada | |
| **G. W. Harrison** | Wayne Harrison Consulting,<br>Edmond, Oklahoma, USA | |


© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association

| | | |
|---|---|---|
| **M. Haydon** | Zurn Industries, LLC,<br>Cary, North Carolina, USA | |
| **R. Hetzler** | Watts Water Technologies, Inc.,<br>Hendersonville, North Carolina, USA | |
| **E. Ho** | IAPMO Group,<br>Markham, Ontario, Canada | |
| **F. R. Lezza** | BG-Graspointner Inc.,<br>Montréal, Québec, Canada | |
| **C. B. Locke** | ABT, Inc,<br>Houston, Texas, USA | |
| **G. Lucier** | North Carolina State University,<br>Raleigh, North Carolina, USA | |
| **R. Mata** | American Society of Plumbing Engineers,<br>Mentor, Ohio, USA | |
| **D. Orton** | NSF International,<br>Ann Arbor, Michigan, USA | |
| **J. Pollock** | Northstar Industries,<br>Cambridge, Ontario, Canada | |
| **G. Potter** | ACO Polymer Products, Inc,<br>Fort Mill, South Carolina, USA | |
| **K. Thompson** | Plumbing Manufacturers International (PMI),<br>McLean, Virginia, USA | |
| **B. Ramkarran** | Infinity Drain, LTD,<br>Amityville, New York, USA | |
| **S. A. Remedios** | Remedios Consulting,<br>London, Ontario, Canada | |
| **A. Carreon** | Infinity Drain, Inc.,<br>Amityville, New York, USA | *Alternate* |


© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association

| | | |
|---|---|---|
| **A. W. San Solo** | US Foundry,<br>Medley, Florida, USA | |
| **T. Simon** | ABT Inc,<br>Statesville, North Carolina, USA | |
| **D. J. Smith** | Kusel Equipment Co,<br>Watertown, Wisconsin, USA | *Contributing Member* |
| **L. Veldboom** | EJ USA,<br>East Jordan, Michigan, USA | |
| **L. Viswanathan** | Oatey Co.,<br>Cleveland, Ohio, USA | |
| **M. Weiss** | Plumbing & Drainage Institute (PDI),<br>Polson, Montana, USA | |


© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association

# Preface

This is the first edition of ASME A112.6.8/CSA B79.8, *Trench drains*. It supersedes CSA B79, *Commercial and residential drains and cleanouts standard*, published in 2008, and the testing and certification requirements for trench drains of the ASME A112.6.3-2019, *Floor and Trench Drains* Standard.

This Standard was prepared by the ASME/CSA Harmonization Task Group on Drains under the jurisdiction of the ASME A112 Standards Committee on Plumbing Materials and Equipment and the CSA Technical Committee on Drains and Interceptors. The ASME A112 Standards Committee operates under the jurisdiction of the ASME Board on Standardization and Testing and the CSA Technical Committee operates under the jurisdiction of the CSA Strategic Steering Committee on Construction and Civil Infrastructure.

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

This Standard was approved as an American National Standard by the American National Standards Institute on May 9, 2022.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

**ASME Notes:**

1) *The next edition of this standard is scheduled for publication in 2025.*
2) *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 ensure that individuals from competent and concerned interests had an opportunity to participate. The proposed standard was made available for public review and comment, which provided an opportunity for additional public input from industry, academia, regulatory agencies, and the public-at-large.*
3) *ASME does not "approve," "rate," or "endorse" any item, construction, proprietary device, or activity. 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 does ASME 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 representatives or persons 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) *Upon request, ASME will issue an interpretation of any requirement of this standard. An interpretation can be issued only in response to a request submitted through the online Interpretation Submittal Form. The form is accessible at http://go.asme.org/InterpretationRequest. 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.*


© 2022 The American Society of Mechanical Engineers
© 2022 Canadian Standards Association