



**ASME A112.6.9-2022/
CSA B79.9:22**
National Standard of Canada
American National Standard



Siphonic roof drains



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D. Gleiberman	Sloan Valve Co., Los Angeles, California, USA	
J. W. Lauer	Sloan Valve Company, Anaheim, California, USA	<i>Alternate</i>
M. Guard	Regulosity, LLC, Wauwatosa, Wisconsin, USA	
G. W. Harrison	Wayne Harrison Consulting, Edmond, Oklahoma, USA	
L. Himmelblau	Chicago Faucet, Des Plaines, Illinois, USA	
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M. Malatesta	American Standard/LIXIL, Piscataway, New Jersey, USA	<i>Alternate</i>
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D. Parney	Cast Iron Soil Pipe Institute, Mundelein, Illinois, USA	<i>Alternate</i>
D. Marbry	Fluidmaster, Inc., San Juan Capistrano, California, USA	
R. Mata	American Society of Plumbing Engineers, Mentor, Ohio, USA	
D. Liang	CSA Group, Toronto, Ontario, Canada	<i>Contributing Member</i>
L. A. Mercer	IAPMO Group, Valley City, Ohio, USA	
J. Menard	CSA Group, Toronto, Ontario, Canada	<i>Contributing Member</i>
A. Murra	Abraham Murra Consulting, Rancho Santa Margarita, California, USA	
D. Orton	NSF International, Ann Arbor, Michigan, USA	
A. Ciechanowski	NSF International, Ann Arbor, Michigan, USA	<i>Alternate</i>
R. Pickering	Eastern Research Group, Inc., Morrisville, North Carolina, USA	<i>Contributing Member</i>
A. Poon	Delta Faucet Company, Indianapolis, Indiana, USA	

B. Ramkarran	Infinity Drains, LTD, Amityville, New York, USA	<i>Contributing Member</i>
S. A. Remedios	Remedios Consulting LLC, London, Ontario, Canada	
M. Sigler	International Code Council, Orlando, Florida, USA	
G. L. Simmons	Charlotte Pipe & Foundry, Charlotte, North Carolina, USA	
W. B. Morris	Charlotte Pipe & Foundry, Charlotte, North Carolina, USA	<i>Alternate</i>
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W. C. Whitehead	Whitehead Consulting Services, Red Oak, Texas, USA	
S. J. McDanal	Jay R. Smith Mfg. Co., Montgomery, Alabama, USA	<i>Alternate</i>

ASME A112.6.9 Project Team on Roof Drains

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A. Bird	Futurologies Consulting, Oro-Medonte, Ontario, Canada	
R. Burnham	Zurn Industries LLC, Erie, Pennsylvania, USA	
N. E. Dickey	Hansgrohe, Inc., Alpharetta, Georgia, USA	
G. S. Duren	Code Compliance, Inc., S Pasadena, Florida, USA	
R. L. George	Plumb-Tech Design and Consulting Services L.L.C, Newport, Michigan, USA	
G. Simmons	Charlotte Pipe & Foundry, Charlotte, North Carolina, USA	
L. Viswanathan	Oatey Co., Cleveland, Ohio, USA	
D. Weisz	UV-System Inc., San Francisco, California, USA	

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M. Constantin	City of Edmonton, Edmonton, Alberta, Canada <i>Category: Regulatory Authority</i>	
J. Costa	Good Harbour Labs, Mississauga, Ontario, Canada	<i>Non-voting</i>
P. Despatis	Régie du bâtiment du Québec, Montréal, Québec, Canada <i>Category: Regulatory Authority</i>	
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G. Emberson	Contour Industries Inc., Toronto, Ontario, Canada	<i>Non-voting</i>
R. Fenney	Fenney & Associates Inc, London, Ontario, Canada	<i>Non-voting</i>
S. Ferrazzo	Green Turtle - Zurn, Charlotte, North Carolina, USA	<i>Non-voting</i>

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

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

M. Khalil	CSA Group, Toronto, Ontario, Canada	<i>Project Manager</i>
J. Menard	CSA Group, Toronto, Ontario, Canada	<i>Project Manager</i>

ASME/CSA Harmonization Task Group on Drains

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P. Sommerhein	Sommerhei, AB, Lidingo, Illerbacken, Sweden	<i>Vice Chair</i>
A. Bird	Futurologies Consulting, Oro-Medonte, Ontario, Canada	
M. Barilla	Oatley Co., Cleveland, Ohio, USA	
R. Beaulieu	Canplas Industries Ltd., Barrie, Ontario, Canada	
T. Burger	ASSE International, Cleveland, Ohio, USA	
R. Burnham	Zurn Industries LLC, Erie, Pennsylvania, USA	
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G. S. Duren	Code Compliance, Inc., S Pasadena, Florida, USA	
R. L. George	Plumb-Tech Design and Consulting Services L.L.C, Newport, Michigan, USA	
L. Himmelblau	The Chicago Faucet Company, Des Plaines, Illinois, USA	
D. Orton	NSF International, Ann Arbor, Michigan, USA	
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E. Ho	IAPMO Group, Markham, Ontario, Canada
G. Simmons	Charlotte Pipe & Foundry, Charlotte, North Carolina, USA
K. Thompson	Plumbing Manufacturers International, McLean, Virginia, USA
S. Remedios	Remedios Consulting, London, Ontario, Canada
C. Rylant	Jay R. Smith Mfg Co., Montgomery, Alabama, USA
D. Weisz	UV-System Inc., San Francisco, California, USA

Preface

This is the first edition of ASME A112.6.9/CSA B79.9, *Siphonic roof drains*. It supersedes CSA B79, *Commercial and residential drains and cleanouts*, published in 2008, and the ASME A112.6.9, Siphonic roof drains Standards.

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.

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Siphonic roof drains

1 Scope

1.1 Inclusions

This Standard specifies minimum requirements for the design, installation, examination, and testing of siphonic roof drains. It includes definitions of terms and parameters involved in the design of siphonic drainage systems.

This Standard applies to roof drains designed and manufactured for installation in piping systems that are intended to operate under depressurized siphonic conditions created by the connected piping system.

1.2 Exclusions

1.2.1 Applicability of roof drain standards

Unless noted otherwise in this Standard, the requirements and standards for roof drains specified in ASME A112.6.4/CSA B79.4 do not apply to siphonic roof drains.

1.2.2 Conventional roof drains

This Standard does not apply to conventional roof drains covered under ASME A112.6.4/CSA B79.4.

1.3 Intent of this Standard

It is not the intent of this Standard to specify that a drain of a given diameter must drain a minimum or maximum amount of water. It is the intent of this Standard to provide standardized procedures to ensure that drain products are evaluated equally.

This Standard does not dictate minimum flow or depth performance criteria for siphonic roof drains. Instead, it specifies standard test procedures to be performed on siphonic roof drain products to document their actual performance and physical limits. The Standard is a measurement protocol and does not have a pass/fail criterion; the data is intended to be used by designers for selecting the drain product and entering performance characteristics into design calculations.

1.4 Terminology

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.