



CSA B55.2:15
(reaffirmed 2019)

Drain water heat recovery units



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Contents

Technical Committee on Drain Water Heat Recovery Systems	2
Preface	4
1 Scope	5
2 Reference publications	5
3 Definition	6
4 Classification of drain water heat recovery units	6
5 Materials	6
5.1 Manufacturing materials	6
5.2 Installation materials	7
6 Pressure testing — Minimum burst pressure	7
7 Marking and labelling	7
7.1 General	7
7.2 Marking	7

Technical Committee on Drain Water Heat Recovery Systems

S. Woroniak	Manitoba Hydro, Winnipeg, Manitoba <i>Category: Regulatory Authority</i>	<i>Chair</i>
R. Guinn	Oro-Medonte, Ontario <i>Category: User Interest</i>	<i>Vice-Chair</i>
R. Andrushuk	Manitoba Hydro, Winnipeg, Manitoba	<i>Associate</i>
C. Baumgartner	Natural Resources Canada, Ottawa, Ontario <i>Category: General Interest</i>	
D. Beauchemin	EcolInnovation Technologies Inc, St-Louis de Gonzague, Québec	<i>Associate</i>
A. Cayer	Watercycles Energy Recovery Inc, Edenwold, Saskatchewan <i>Category: Producer Interest</i>	
F. DiFolco	CSA Group, Toronto, Ontario	<i>Associate</i>
M. Fontaine	EcolInnovation Technologies Inc, St-Louis de Gonzague, Québec <i>Category: Producer Interest</i>	
L. Gill	IPEX Management Inc, Mississauga, Ontario	<i>Associate</i>
K.S. Hui	Ontario Ministry of Municipal Affairs and Housing, Toronto, Ontario <i>Category: Regulatory Authority</i>	
A. Knapp	A. Knapp & Associates, Toronto, Ontario <i>Category: General Interest</i>	

F. Michel	Promival inc, Montréal, Québec <i>Category: Producer Interest</i>	
G. Van Decker	RenewABILITY Energy Inc, Kitchener, Ontario <i>Category: Producer Interest</i>	
C. Wright	Ontario Pipe Trades, Dundalk, Ontario <i>Category: User Interest</i>	
L. Pilla	CSA Group, Mississauga, Ontario	<i>Project Manager</i>

Preface

This is the second edition of CSA B55.2, *Drain water heat recovery units*. It supersedes the previous edition published in 2012.

This Standard specifies health and safety requirements for drain water heat recovery (DWHR) units. This Standard was developed in response to the need for a document that specifies safety and performance criteria for DWHR units.

This Standard was prepared by the Technical Committee on Drain Water Heat Recovery Systems, under the jurisdiction of the Strategic Steering Committee on Water Management Products, Materials, and Systems, and has formally been approved by the Technical Committee.

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 Standard 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 Standard.*
- 4) *To submit a request for interpretation of this Standard, please send the following information to inquiries@csagroup.org 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 available on the Current Standards Activities page at standardsactivities.csa.ca.
- 5) *This Standard is subject to review five years from the date of publication. Suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to inquiries@csagroup.org 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.*

CSA B55.2:15

Drain water heat recovery units

1 Scope

1.1

This Standard specifies requirements for the durability and safety of vertically installed, falling-film drain water heat recovery (DWHR) units.

1.2

This Standard applies to DWHR units of any diameter and length and configuration for use with potable water, and to their components and materials supplied by the manufacturer, their assembly and installation instructions, and their operation after assembly in accordance with these instructions. This Standard does not apply to site preparation or installation procedures.

1.3

This Standard is not intended as a design specification or as an instruction manual for untrained persons.

1.4

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.

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)

B16.18-2012

Cast Copper Alloy Solder Joint Pressure Fittings

B16.22-2013

Wrought Copper and Copper Alloy Solder Joint Pressure Fittings