



**CSA  
Group**

**B55.2-12**

## Drain water heat recovery units

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# ***Technical Committee on Drain Water Heat Recovery Systems***

<b>S. Woroniak</b>	Manitoba Hydro, Winnipeg, Manitoba	<i>Chair</i>
<b>R. Guinn</b>	Hawkestone, Ontario	<i>Vice-Chair</i>
<b>R. Andrushuk</b>	Manitoba Hydro, Winnipeg, Manitoba	<i>Associate</i>
<b>C. Baumgartner</b>	Natural Resources Canada, Ottawa, Ontario	
<b>D. Beauchemin</b>	EcolInnovation Technologies Inc., St-Louis de Gonzague, Québec	<i>Associate</i>
<b>A. Cayer</b>	Watercycles Energy Recovery Inc., Edenwold, Saskatchewan	
<b>P.J. Cook</b>	IPEX Inc., Verdun, Québec	<i>Associate</i>
<b>F. Di Folco</b>	CSA Group, Toronto, Ontario	<i>Associate</i>
<b>M. Fontaine</b>	EcolInnovation Technologies Inc., St-Louis de Gonzague, Québec	
<b>K.S. Hui</b>	Ontario Ministry of Municipal Affairs and Housing, Toronto, Ontario	
<b>A. Knapp</b>	A. Knapp & Associates, Toronto, Ontario	
<b>F. Michel</b>	SolÉnergie Énergie Québec Inc., St-Furcent, Québec	
<b>G. Van Decker</b>	Renewability Energy Inc., Mitchener, Ontario	
<b>K. Winder</b>	Saskatchewan Research Council , Saskatoon, Saskatchewan	
<b>C. Wright</b>	Ontario Pipe Trades, Dundalk, Ontario	
<b>L. ...</b>	CSA Group, Mississauga, Ontario	<i>Project Manager</i>

# Preface

This is the first edition of CSA B55.2, *Drain water heat recovery units*.

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 Units, 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 on 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](mailto:inquiries@csagroup.org) and include “Request for interpretation” in the subject line:
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  - (a) Standard designation (number);
  - (b) relevant clause, table, and/or figure number;
  - (c) wording of the proposed change; and
  - (d) rationale for the change.

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## ***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*

B16.22-2001 (R2005)

*Wrought Copper and Copper Alloy Solder Joint Pressure Fittings*

#### **ASTM International (American Society for Testing and Materials)**

B88-09

*Standard Specification for Seamless Copper Water Tube*

B306-09

*Standard Specification for Copper Drainage Tube (DWV)*