

NSF International Standard / American National Standard

NSF/ANSI 62 - 2013

Drinking Water Distillation Systems









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NSF/ANSI 62 - 2013

NSF International Standard/ American National Standard for Drinking Water Treatment Units –

Drinking water distillation systems

Standard Developer

NSF International

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Contents

1	Genera		
		ope	
		nimum requirementsemical and microbiological reduction performance claims	
		views and revisions	
	1.4 Ke	views and revisions	
2	Norma	tive references	1
3	Definiti	ons	2
4	Mataria	ala.	r
4		als	
		terials in contact with drinking water	
		terials evaluation	
	4.3 Ga	s chromatography/mass spectroscopy (GC/MS) analysis	
5	Structu	ral performance	17
	5.1 Str	uctural integrity	17
6	Minim	ım performance requirements	20
U		tal dissolved solids (TDS) reduction	
		rformance indication	
		w control	
		prage tanks	
		aporator chamber	
		enings and rims (product water zone)	
		try ports	
		aste connections	
		oduct water dispensing outlets	
	6.10		
	6.11	Active agents and additives	
	0.11	Active agents and additives	∠٤
7		e performance claims – test methods	
		organic chemical reduction claims qualified by TDS surrogate testing	
		rganic chemical reduction	
		place sanitization of the product water zone	
	7.4 Mid	crobiological reduction	36
8	Instruc	ction and information	40
•		tallation, operation, and maintenance instructions	
		ta plate	
		placement components	
		rformance data sheet	
۸	n a v . A		A 2
ΑŊ	nex A		A1
An	nex B		B1
Λ	nov C		0.4
ΑN	nex C		

Foreword²

The purpose of this Standard is to establish minimum requirements for the materials, design and construction, and performance of point-of-use and point-of-entry drinking water distillation systems that are designed to reduce specific chemical and microbiological contaminants in public or private water supplies. NSF/ANSI 62 also specifies minimum product literature requirements that manufacturers must provide to authorized representatives and consumers.

Water contact materials in drinking water treatment units listed under NSF/ANSI 42, 44, 53, 55, 58, and 62 are tested and evaluated under a separate protocol from NSF/ANSI 61, with criteria that were developed specifically for the intended end-use. NSF/ANSI 61 listing should not be additionally required for acceptance of these listed units for water contact application.

This edition of the Standard contains the following revisions:

Issue 21

This revision addresses tentatively identified compounds (TICs) and unknown compounds that are found during extraction testing under section 4 and c larifies the analytical method(s) to be used to evaluate these compounds with the addition of Annex C.

Suggestions for improvement of this Standard are welcome. This Standard is maintained on a Continuous Maintenance schedule and can be opened for comment at any time. Comments should be sent to Chair, Joint Committee on Drinking Water Treatment Units at standards@nsf.org, c/o NSF International, Standards Department, P.O. Box 130140, Ann Arbor, Michigan 48113-0140, USA.

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NSF/ANSI Standard for Drinking Water Treatment Units –

Drinking water distillation systems

1 General

1.1 Scope

This standard establishes minimum materials, design and construction, and performance requirements for point-of-use and point-of-entry drinking water distillation systems and the components used in these systems. Distillation systems covered by this standard are designed to reduce specific chemical contaminants from potable drinking water supplies. Systems covered under this standard may also be designed to reduce microbiological contaminants, including bacteria, viruses, and cysts, from potable drinking water supplies. It is recognized that a system may be effective in controlling one or more of these contaminants, but systems are not required to control all.

Systems covered by this standard are not intended for the treatment of water that is visually contaminated (turbid) or has an obvious contamination source, such as raw sewage, nor are systems covered by this standard intended to convert wastewater to microbiologically potable water.

1.2 Minimum requirements

A system as defined in this standard shall meet the applicable requirements of Sections 4, 5, 6, and 8.

A component as defined in this standard shall meet the requirements of 4 and 8. If the component is pressure bearing, it shall also meet the applicable requirements of 5.

1.3 Chemical and microbiological reduction performance claims

- **1.3.1** All NSF/ANSI 62 performance claims shall be verified and substantiated by test data generated under the requirements of NSF/ANSI 62.
- **1.3.2** When performance claims are made for substances not specifically addressed in the scope of this Standard or for those substances not specifically addressed but falling under the scope of NSF/ANSI 62, those claims not specifically addressed in the Standard shall be so identified.

1.4 Reviews and revisions

This Standard shall be reviewed at least every five years. The review is to be conducted by the NSF Joint Committee on Drinking Water Treatment Units.

2 Normative references

The following documents contain requirements which, by reference in this text, constitute requirements of this standard. At the time of publication, the indicated editions were valid. All standards are subject to revision and parties are encouraged to investigate the possibility of applying the recent editions of the standards indicated below.