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American National Standard*

NSF/ANSI 62 - 2020

Drinking Water Distillation Systems



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Drinking Water Distillation Systems

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Foreword²

The purpose of this Standard is to establish minimum requirements for the materials, design and construction, and performance of point-of-use (POU) and point-of-entry (POE) 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 shall provide to authorized representatives and consumers.

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

This edition of the Standard contains the following revision:

Issue 38

This revision removes the language in Sections 7.2 and 7.4.7 that allows for 10% of samples to not meet the effluent requirement under the contaminant reduction protocols.

The Interpretations Annex contains responses to interpretation requests. The responses will be published in each version of the Standard until such time that the interpretation response is no longer applicable.

This Standard was developed by the NSF Joint Committee on Drinking Water Treatment Units using the consensus process described by the American National Standards Institute.

This Standard and the accompanying text are intended for voluntary use by certifying organizations, regulatory agencies, and/or manufacturers as a basis of providing assurances that adequate health protection exists for covered products.

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, or c/o NSF International, Standards Department, PO 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 (POU) and point-of-entry (POE) 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 Sections 4 and 8. If the component is pressure bearing, it shall also meet the applicable requirements of Section 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 Treatment train

A system that contains multiple, sequential treatment technologies for a performance claim under this Standard shall meet the applicable requirements as described in Annex N-1.

1.5 Reviews and revisions

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