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*NSF International Standard /
American National Standard*

NSF/ANSI 62 - 2009

Drinking Water Distillation Systems



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for Drinking Water Treatment Units –

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 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 1

The revision made in this issue updated the scope, normative references, structural integrity requirements, performance indication devices (PID), test waters, exposure procedure, in-place sanitization requirements and test procedures, second tier testing claim for TDS reduction for systems designed to treat brackish water, voltage requirements for the production rate verification test, and instruction and information. Requirements not pertaining to distillers are being removed. The document was also restructured to be consistent with the Drinking Water Treatment Unit family of Standards.

Issue 16

The revision made in this issue included a perchlorate claim and updated maximum product water concentration for arsenic.

Issue 20

The revision in this issue revised the procedure for extraction testing with and without media.

Suggestions for improvement of this Standard are welcome. Comments should be sent to Chair, Joint Committee on Drinking Water Treatment Units, 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