NSF International Standard /
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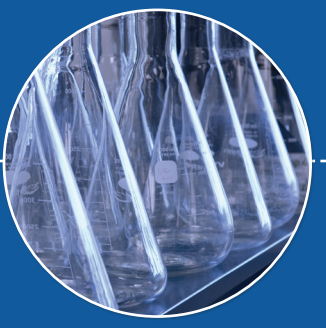
NSF/ANSI 177 - 2022

Shower Filtration Systems - Aesthetic Effects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NSF International Standard /
American National Standard
for Drinking Water Treatment Units –

Shower Filtration Systems – Aesthetic Effects

Standard Developer
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Abbreviations

The following table is provided as a reference for unit abbreviations for common forms of measurement used within NSF documents.

time	second	s
	minute	min
	hour	h
	day	d
	week	wk
	month	mo
	year	yr
length	inch	in
	foot	ft
	yard	yd
	micrometer	µm
	nanometer	nm
	millimeter	mm
	centimeter	cm
	meter	m
	kilometer	km
liquid measure	milliliter	mL
	liter	L
	liters per day	LPD
	liters per minute	LPM
	ounce	oz
	pint	pt
	quart	qt
	gallon	gal
	gallons per minute	GPM
	gallons per day	GPD
weight	microgram	µg
	picogram	pg
	nanogram	ng
	milligram	mg
	centigram	cg
	gram	g
	kilogram	kg
	pound	lb
	ton	t
	metric ton	mt
miscellaneous	kilopascals	kPa
	nephelometric turbidity units	NTU
	pounds per square inch gauge	psig

Contents

Foreword[2]

The purpose of this standard is to establish minimum requirements for materials, design, construction, and performance of shower filtration systems that are designed to reduce aesthetic free available chlorine in public or private water supplies. This standard specifies the minimum product literature and labeling information that a manufacturer is required to supply authorized representatives and system owners. This standard provides minimum service-related obligations that the manufacturer supplies to system owners.

This edition of the standard contains the following revisions:

Issue 10

This revision adds language to Sections 8.1.1 and 8.4.1 to allow installation, operation, and maintenance instruction manuals, as well as performance data sheets, to be provided online.

Issue 12

This revision updates normative references throughout the standard.

Issue 13

This revision corrects normative language by removing the word “note” from requirements (Sections 5.4.1 and 8.4.1) and changing “shall” to permissive language in informative language (Figure 2).

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, P.O. Box 130140, Ann Arbor, Michigan 48113-0140, U.S.A.

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NSF/ANSI Standard
for Drinking Water Treatment Units –

Shower Filtration Systems – Aesthetic Effects

1 General

1.1 Purpose

It is the purpose of this standard to establish minimum performance requirements for shower filtration systems, including substance reduction performance, materials safety, and design, construction, and structural performance. This standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners.

1.2 Scope

The point-of-use shower filtration systems addressed by this standard are designed to be used for the reduction of specific substances that may be present in potable water (public or private). Systems covered under this standard are intended to reduce substances affecting the aesthetic quality of the water. Only whole systems shall be evaluated under this standard. Systems with components or functions covered under other NSF or NSF/ANSI standards or criteria shall comply with those applicable requirements.

1.3 Minimum requirements

This standard establishes minimum requirements. Some requirements may be waived if it is verified that the candidate system or component is sufficiently similar to a tested system or component as to provide equivalent or better operation and performance.

A system as defined in this standard shall meet all requirements of this standard.

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

1.4 Alternate materials, designs, and construction

While specific materials, designs, and construction may be stipulated in this standard, systems that incorporate alternate materials, designs, and construction may be acceptable when it is verified that such systems meet the applicable requirements stated herein.

1.5 Free available chlorine reduction performance claims

1.5.1 All NSF/ANSI 177 performance claims shall be verified and substantiated by test data generated under the requirements of NSF/ANSI 177.

1.5.2 When making performance claims 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 177, those claims not specifically addressed in the standard shall be so identified.