



NSF Standard
American National Standard

NSF/ANSI 24-2024

Plumbing System Components for Recreational Vehicles



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American National Standard
for Water –

Plumbing System Components for Recreational Vehicles

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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	foot-pound	ft-lb
	joule	J
	kilopascal	kPa
	pounds per square inch	psi
	pounds per square inch gauge	psig

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Foreword²

The purpose of this standard is to establish minimum requirements for materials, design, and construction and performance of pipe, fittings, valves, traps, vents, tanks, pumps, connectors, fixtures, appliances, and similar appurtenances used in a plumbing system of a recreational vehicle (RV).

This edition of the standard contains the following revisions:

- **Issue 12**

This revision includes the following:

- updates to normative references in Section [2](#) and as referenced in Sections [5.3](#) and [19.3.1](#)
- revisions to normative references boilerplate language in Section [2](#)
- minor grammar corrections in Section [12.3.8](#)
- correction of a typo in the Section [22](#) heading
- the addition of an equivalency note in Table [22.1](#).

This standard was developed by the NSF Joint Committee on Plastics and RV Plumbing Components 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, utilities, regulatory agencies, and/or manufacturers as a basis of providing assurances that adequate health protection exists for covered products. Product certification issues, including frequency of testing and requirements for follow-up testing, evaluation, enforcement, and other policy issues, are not addressed by this standard.

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 Plastics and RV Plumbing Components at standards@nsf.org, or c/o NSF, Standards Department, PO Box 130140, Ann Arbor, Michigan 48113-0140, USA.

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