



*NSF International Standard /
American National Standard*

NSF/ANSI 50 - 2015

Equipment for Swimming Pools, Spas,
Hot Tubs and Other Recreational
Water Facilities



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Equipment for Swimming Pools,
Spas, Hot Tubs and other
Recreational Water Facilities—

Evaluation criteria for materials, components,
products, equipment and systems for use at
recreational water facilities

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Annex RR1
Interpretation Annex 1

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Foreword²

The purpose of this Standard is to establish minimum materials, design and construction, and performance requirements for components, products, equipment and systems, related to public and residential recreational water facility operation.

If a value for measurement is followed by a value in other units in parenthesis, the second value may be only approximate. The first stated value is the requirement.

In this edition of NSF/ANSI 50 the following revisions were incorporated:

Issue 74 – This issue addresses requirements for heat exchangers, heaters, coolers, and solar water heating systems.

Issue 77 – This issue addresses pump efficiency and pump performance in pools, spas, hot tubs and other water recreational facilities.

Issue 91 – This issue updates language in Section 1.5 Normative References, Section 3.2 Materials, and Section 4.5 PVC hoses.

Issue 100 – This issue is a revision of section 3 Materials.

Issue 107 – This issue is an editorial revision of the entire 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 Recreational Water Facilities at standards@nsf.org, or c/o NSF International, Standards Department, PO Box 130140, Ann Arbor, MI 48113-0140, USA.

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NSF/ANSI Standard

Equipment for Swimming Pools, Spas, Hot Tubs and other Recreational Water Facilities

Evaluation criteria for materials, components, products, equipment and systems for use at recreational water facilities

1 General

1.1 Scope

This Standard covers materials, components, products, equipment and systems, related to public and residential recreational water facility operation.

1.2 Variations in design and operation

A component varying in design and/or operation may qualify under this Standard. Appropriate tests and investigations shall indicate that the component performs as well as components conforming to this Standard. Such components shall meet the requirements for materials, finishes, and construction in this Standard.

1.3 Alternate materials

If specific materials are mentioned, other materials equally satisfactory from the standpoint of public health may be permitted.

1.4 Standard review

A complete review of this Standard shall be conducted at least every five years. These reviews shall be conducted by representatives from the industry, public health, and user groups, or agencies of the NSF Joint Committee on Recreational Water Facilities.

1.5 Normative references

The following documents contain provisions that, through reference in this text, constitute provisions 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. The most recent published edition of the document shall be used for undated references.

21 CFR Chapter 1. *Code of Federal Regulations*³

21 CFR Part 58, Subchapter A. *Code of Federal Regulations*³

³ USFDA, 5600 Fishers Lane, Rockville, MD 20857 <www.fda.gov>