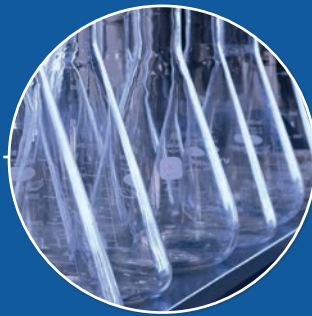




*NSF International Standard /
American National Standard*

NSF/ANSI 50 - 2011 - Addendum

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



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**NSF/ANSI 50 – 2011
Addendum**

NSF International Standard/
American National 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

Standard Developer
NSF International

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November 9, 2011

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Contents

| | | |
|-----------|---|---|
| 12 | Ozone process equipment..... | 1 |
| 12.8 | Disinfection efficacy..... | 1 |
| 13 | Ultraviolet (UV) light process equipment..... | 1 |
| 13.8 | Disinfection efficacy..... | 1 |
| 15 | Brine (batch) type electrolytic chlorine or bromine generators..... | 2 |
| 15.2 | Operating Conditions..... | 2 |
| 16 | Copper/silver and copper ion generators..... | 2 |
| 16.8 | Disinfection efficacy..... | 2 |
| Annex H | | 3 |
| H.1 | Disinfection efficacy of secondary disinfection equipment..... | 3 |
| H.2 | Ozone level test..... | 7 |
| Table H.1 | – Disinfection efficacy sampling sequence..... | 8 |

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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 – 2011 addendum:

Issue 67 – Annex H

When Annex H of NSF 50 was modified in 2005 the procedure eliminated the specific test method for ion generators. This revision reinstates a specific test method for ion generators as well as requires statements in the listing and use instructions that communicate disinfection capabilities of the certified systems.

Issue 71 – Batch chlorination systems

This revision updated the operating condition specifications in 15.2 for batch chlorination system components.

Suggestions for improvement of this Standard are welcome. 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

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12 Ozone process equipment

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12.8 Disinfection efficacy

Process equipment designed for secondary disinfection such as copper and/or silver ion generators, ozone and ultraviolet light equipment shall demonstrate a 3 log inactivation of influent bacteria when tested according to Annex H.

12.8.1 Process equipment shall carry the following information in the installation and use instructions and be noted in the official certification listings:

This unit has demonstrated an ability to provide three log inactivation of <name organisms>. This unit has not demonstrated an ability to provide three log kill or inactivation of <name organisms if applicable>. This product is designed for supplementary disinfection and is intended for use with appropriate residual levels of EPA registered disinfecting chemicals. Specific residual levels of EPA registered disinfecting chemicals may be required by the regulatory agency having authority.

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13 Ultraviolet (UV) light process equipment

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13.8 Disinfection efficacy

Process equipment designed for supplemental disinfection shall demonstrate a 3-log reduction of influent bacteria when tested according to Annex H.

UV systems claiming chlorine resistant organism treatment such as *cryptosporidium parvum* inactivation shall be evaluated according to 13.18.