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American National Standard*

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Ozone Generators



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Chair, Recreational Water Facilities
NSF International
789 North Dixboro Road, P.O. Box 130140
Ann Arbor, Michigan 48113-0140 USA
Phone: (734) 769-8010 Telex: 753215 NSF INTL
FAX: (734) 769-0109
E-mail: info@nsf.org
Web: <http://www.nsf.org>

NSF International Standard/
American National Standard

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

Standard Developer

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Designated as an ANSI Standard

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Foreword²

The purpose of this Standard is to provide a method to evaluate ozone generator production performance (i.e., ozone concentration and output rate) and establish minimum requirements for ozone generator materials and design and construction. This standard specifies the minimum requirements for product literature and labeling information that a manufacturer shall supply to authorized representatives and owners.

This edition of the Standard is a reaffirmation of NSF/ANSI 222– 2006e, and contains no new material.

This Standard was developed by the NSF Joint Committee on Recreational Water Facilities using the consensus process described by the American National Standards Institute.

Suggestions for improvement of this Standard are welcome. Comments should be sent to Chair, Recreational Water Facilities at standards@nsf.org, or c/o NSF International, Standards Department, PO Box 130140, Ann Arbor, Michigan 48113-0140, USA.

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NSF International Standard for Equipment for Swimming Pools, Spas, Hot Tubs and other Recreational Water Facilities–

Ozone Generators

1 General

1.1 Purpose

The purpose of this standard is to provide a method to evaluate ozone generator production performance (i.e., ozone concentration and output rate) and to establish minimum requirements for ozone generator materials and design and construction. This standard specifies the minimum requirements for product literature and labeling information that a manufacturer shall supply to authorized representatives and owners.

1.2 Scope

The objective of this standard is to provide a method to determine ozone generator production performance for water applications. This standard covers ozone generators that produce up to 500 g/h (26.4 lbs/d) of ozone. Devices utilizing actual mixing of the gas produced with water to be treated shall be precluded from this standard.

This Standard does not cover evaluating the effectiveness of an ozone generator for the treatment for water; it also does not cover structural integrity for ozone systems.

1.3 Alternate material, design, and construction

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

2 Normative references

The following documents contain provisions that by reference in this text constitute requirements of this standard. At the time of publication, the indicated editions were valid. All of the documents are subject to revision, and parties are encouraged to investigate the possibility of applying the recent editions of these documents.

ASTM D4000, *Standard Classification System for Specifying Plastic Materials*³

³ American Society for Testing Materials (ASTM) 100 Barr Harbor Drive, West Conshohocken, PA 19428 <www.astm.org>.