



*NSF International Standard /
American National Standard*

NSF/ANSI 29 - 2021

**Detergent and Chemical Feeders
for Commercial Spray-Type
Dishwashing Machines**



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Chair, Joint Committee on Food Equipment
c/o NSF International
789 North Dixboro Road, PO Box 130140
Ann Arbor, Michigan 48113-0140 USA
Phone: (734) 769-8010 Fax: (734) 769-0109
Email: info@nsf.org
Web: www.nsf.org

NSF International Standard /
American National Standard
for Food Equipment –

**Detergent and Chemical Feeders
for Commercial Spray-type
Dishwashing Machines**

Standard Developer
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Foreword²

The purpose of this Standard is to establish minimum public health and sanitation requirements for chemical sanitizing feeders, detergent feeders, rinse agent feeders, and similar devices.

This edition of the Standard contains the following revisions:

Issue 6

This revision updates the year on the American National Standard for Metric Practice reference for IEEE/ASTM SI 10 from 2010 to 2016.

Issue 7

This revision updates the boilerplate language in Section 2 to match other Food Equipment standards.

This revision also includes an editorial update to the names of the Annexes within. The Annexes are being changed from alpha characters to numeric, preceded by a 'Normative' or 'Informative'. The Annexes have also been reordered so the Normative Annexes appear first, followed by the Informative Annexes. The table below shows the previous name of the Annex with the corresponding new name of the Annex:

| Annexes | |
|-----------------------------|---------------------------|
| Previously known as: | Now known as: |
| Annex A | Informative Annex 1 (I-1) |
| Annex B | Informative Annex 2 (I-2) |

This Standard was developed by the NSF Joint Committee on Food Equipment 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 Food Equipment at standards@nsf.org, or c/o NSF International, Standards Department, PO Box 130140, Ann Arbor, Michigan 48113-0140, USA.

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for Food Equipment –

Detergent and Chemical Feeders for Commercial Spray-type Dishwashing Machines

1 General

1.1 Purpose

This Standard establishes minimum public health and sanitation requirements for chemical sanitizing feeders, detergent feeders, rinse agent feeders, and similar devices for commercial spray-type dishwashing machines.

1.2 Scope

This Standard covers chemical sanitizing feeders, detergent feeders, drying agent feeders, and similar devices that automatically maintain the concentration of additives in the prewash, wash, pumped rinse, or final rinse of commercial spray-type dishwashing machines.

Equipment components and materials covered under other NSF or NSF/ANSI Standards or Criteria shall also conform to the requirements therein.

1.3 Alternate materials, design and construction

While specific materials, design, and construction may be stipulated in this Standard, equipment that incorporates alternate materials, design, or construction may be acceptable when such equipment meets intent of the applicable requirements herein. This Standard is not intended to restrict new unit design, provided that such design meets the minimum specifications described herein.

1.4 Measurement

Decimal and SI conversions provided parenthetically shall be considered equivalent. Metric conversions and significant figure rounding have been made according to IEEE/ASTM SI 10.

2 Normative references

The following documents contain requirements 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 most recent editions of the documents indicated below. The most recent published edition of the document shall be used for undated references.

IEEE/ASTM SI 10-2016, *American National Standard for Metric Practice*³

NSF/ANSI 51, *Food Equipment Materials*

³ ASTM International. 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428. <www.astm.org>