



*NSF International Standard /
American National Standard*

NSF/ANSI 37 - 2020

**Air Curtains for Entrancesways
in Food and Food Service
Establishments**



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NSF International Standard /
American National Standard
for Food Equipment –

Air Curtains for Entrancesways in Food and Food Service Establishments

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Foreword²

The purpose of this Standard is to establish minimum public health and sanitation requirements for the materials, design, construction, and performance of air curtains for entranceways in food and food service establishments.

This Standard uses inch-pound units as the primary units with equivalent decimal and SI (metric) conversions provided in parentheses. The Joint Committee carried a motion that this convention be adopted in future revisions to this Standard.

Issue 7

This revision updates the location of the definitions in Section 3 to NSF/ANSI 170.

Issue 8

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

Issue 9

This revision corrects the vertical distance errors in Sections 6.2.2.2 and 6.3.2.2.

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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NSF/ANSI Standard for Food Equipment –

Air Curtains for Entrancesways in Food and Food Service Establishments

1 General

1.1 Purpose

This Standard establishes minimum sanitation and performance requirements for the materials, design, construction, and performance of air curtains and their related components

1.2 Scope

Equipment covered by this Standard includes, but is not limited to, air curtains for entrancesways in food and food service establishments (e.g., service and customer entries, service windows, cooler and cold storage entries). Housing, air moving equipment, air directional regulating devices, and other appurtenances to the air curtain are included.

This Standard does not establish equipment installation requirements. While the requirements of this Standard are intended to ensure that equipment may be installed in a sanitary manner, proper installation of equipment shall be governed by the applicable codes.

Equipment components and materials covered under other NSF or NSF/ANSI Standards or Criteria shall also comply with the requirements therein. This Standard is not intended to restrict new unit design, provided that such design meets the minimum specifications described herein.

1.3 Alternative materials, design, and construction

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 provisions that, through reference, constitute provisions of this NSF/ANSI Standard. At the time this Standard was balloted, the editions listed below were valid. All documents are subject to revision, and parties are encouraged to investigate the possibility of applying the 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>