



Joint Committee on Food Equipment

May 2, 2024

Proposed revision to NSF/ANSI:

5 – Water Heaters, Hot Water Supply Boilers, and Heat Recovery Equipment (5i12r1)
37 – Air Curtains for Entranceways in Food and Food Service Establishments (37i11r1)
59 – Mobile Food Carts (59i12r1)

Revision 1 of NSF/ANSI 5, issue 12, Revision 1 of NSF/ANSI 37, issue 11, and Revision 1 of NSF/ANSI 59, issue 12 are being forwarded to the Joint Committee for consideration. Please review the proposal and **submit your ballot by May 23, 2024** via the [NSF Online Workspace](#).

Please review all ballot materials. When adding comments, please include the section number for your comment and add all comments under one comment number whenever possible. If additional space is needed, you may upload a MS Word or .PDF version of your comments directly to the NSF Online Workspace.

Purpose

The purpose of this ballot is to approve new and revised language correcting the use of informative NOTES, as well as use of the terms “Shall” and “Must”.

Background

Issue paper **FE-2024-04** highlighted the value of cleaning up several misplaced terms and phrases in Standards 5, 37, and 59.

This Revision 1 approval ballot reflects the language presented by the issue proponent and is presented here for your consideration.

If you have any questions about the technical content of the ballot, you may contact me in care of:

A handwritten signature in blue ink, appearing to read "mgperez", with a long horizontal stroke extending to the right.

Michael Perez
Chair, Joint Committee on Food Equipment
c/o Allan Rose
Joint Committee Secretariat
NSF International
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[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by grey highlighting. Rationale Statements are in *red italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard for Food Equipment –

Water Heaters, Hot Water Supply Boilers, and Heat Recovery Equipment

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5 Design and construction

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5.6 Backflow and cross-connection protection

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5.6.2.2 Single-wall heat exchangers shall have a permanently affixed label identifying the intermediate transfer media, which ~~must~~ **shall** be used with the unit. The intermediate transfer media shall conform to the requirements in Section 4.3. When intermediate transfer media is not supplied by the manufacturer, a permanently affixed label shall identify the intermediate transfer media to be used with the unit.

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Informative Annex 2

Technical information

The information contained in this Annex is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. Therefore, this Annex may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

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I-2.2 Storage type water heaters

The example in Annex I-2, Section I-2.1 is based on maximum demand and instantaneous heaters. For storage-type water heaters, consideration ~~must~~ **should** be given to peak load and usage times. The ASHRAE *HVAC Applications Handbook*³ provides additional information on sizing and hot water demands for specific applications.

5 ³ American Society of Heating, Refrigeration, and Air Conditioning Engineers, Inc. 1791 Tullie Circle NE, Atlanta, GA 30329. <www.ashrae.org>

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NSF/ANSI Standard
for Food Equipment –

Air Curtains for Entrancesways in Food and Food Service Establishments

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Informative Annex 1

Recommendations for installation

The information contained in this annex is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. Therefore, this annex may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the standard.

I-1.1 Recommendations for installation

- I-1.1.1 Air curtains for service windows and service entryways should be installed on the exterior (outside) of the window or entryway.
- I-1.1.2 The air moving equipment on air curtains in service entryways should be interlocked with the entryway to ensure automatic activation of the motor when the door is opened.
- I-1.1.3 Establishments using air curtains should maintain positive air pressure.
- I-1.1.4 The air curtain or multiple unit installation ~~shall~~ **should** be at least as wide as the opening to be protected.

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NSF/ANSI Standard for Food Equipment –

Mobile Food Carts

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5 Design and construction

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5.44 Wastewater holding systems

5.44.1 Mobile food carts having a potable water system shall also have a waste holding tank(s) with a minimum capacity of 7.5 gal (28.4 L) or at least 15% greater than the total capacity of the water storage tank(s), whichever is greater. The capacity of the waste tank shall be displayed on the tank or the data plate.

5.44.2 The minimum waste holding tank shall not apply if the cart is equipped with an automated system that disables the water supply when the waste holding tank is full.

~~NOTE — The minimum waste holding tank shall not apply if the cart is equipped with an automated system that disables the water supply when the waste holding tank is full.~~

***Rationale:** NOTES are informative not normative and as such should not contain the term “Shall”*