ADDENDA

ANSI/ASHRAE/ASHE Addendum f to
ANSI/ASHRAE/ASHE Standard 189.3-2021

Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities

Approved by ASHRAE and the American National Standards Institute on December 29, 2023, and by the American Society for Healthcare Engineering on December 13, 2023.

This addendum was approved by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. Instructions for how to submit a change can be found on the ASHRAE® website (www.ashrae.org/continuous-maintenance).

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ASHRAE obtains consensus through participation of its national and international members, associated societies, and public review.

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a. interpretation of the contents of this Standard,
b. participation in the next review of the Standard,
c. offering constructive criticism for improving the Standard, or
d. permission to reprint portions of the Standard.

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FOREWORD

Addendum f updates some referenced standards to the most current editions. Several hospitals in the northwestern United States have studied and found significant (approximately 90%) waste from the central supply system (liquid or compressed gas). Nitrous oxide is regarded as a significant contributor to greenhouse gas. Nitrous oxide has a global warming potential (GWP) 300 times that of CO_2 and persist in the atmosphere for 114 years. Once commonly used for anesthesia, the demand for N_2O has waned considerably with the advent of new anesthetics and changes in practice. Some facilities continue to use N_2O for self-administered conscious sedation during childbirth or for pain control in emergency departments.

Informative Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum f to Standard 189.3-2021

Modify Section 11 as shown. The remainder of Section 11 is unchanged.

11. [189.3] EMISSIONS, EFFLUENT, AND POLLUTION CONTROL

[. . .]

11.3.1.4 Gases and Vacuum Systems

11.3.1.4.1 Nitrous Oxide. Where required, nitrous oxide shall only be provided via point-of-use cylinders.

[. . .]

Modify Section 12 as shown. The remainder of Section 12 is unchanged.

12. [189.3] NORMATIVE REFERENCES

Section numbers indicate where the reference occurs in the document.

Reference	Title	Section
[. . .]		
ASHRAE **180 Technology Parkway NW** **Peachtree Corners, GA 30092, United States** **1-404-636-8400** **http://www.ashrae.org**		
ANSI/ASHRAE/IES Standard 90.1-~~2019~~2022	Energy Standard for Buildings Except Low-Rise Residential Buildings	7.4.2.1, 7.4.3, 7.4.3.5, 7.4.3.6.1, 7.4.3.7, 7.4.3.10.3, 7.4.6, Exception to 7.5.1
ANSI/ASHRAE/ASHE Standard 170-~~2017~~2021	Ventilation of Health Care Facilities	7.4.3, Exceptions to 7.4.3.5 and 7.4.3.7, 8.3.1, Exception to 8.3.1.4.1, 8.4.2.1.1, 8.4.2.2.1 8.4.2.3.1, 8.4.2.5.2.1, 8.4.2.6.1
ANSI/ASHRAE/USGBC/IES Standard 189.1-~~2020~~2023	Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings	4.1, 4.2, 5.2, 6.2, 6.3.4, 7.2, 7.3, 7.3.4, 7.4, 7.4.5.1, 7.4.6.1, 7.4.6.3.1, 7.5.1, 7.5.2, 8.2, Exception to 8.3.1.2.2, Exception to 8.3.1.10, 9.2, 9.3.1.2, 10.2, 10.3.2, 10.10
[. . .]		

POLICY STATEMENT DEFINING ASHRAE'S CONCERN FOR THE ENVIRONMENTAL IMPACT OF ITS ACTIVITIES

ASHRAE is concerned with the impact of its members' activities on both the indoor and outdoor environment. ASHRAE's members will strive to minimize any possible deleterious effect on the indoor and outdoor environment of the systems and components in their responsibility while maximizing the beneficial effects these systems provide, consistent with accepted Standards and the practical state of the art.

ASHRAE's short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

Through its *Handbook*, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating Standards and Guidelines.

The effects of the design and selection of equipment and systems will be considered within the scope of the system's intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

ASHRAE's primary concern for environmental impact will be at the site where equipment within ASHRAE's scope operates. However, energy source selection and the possible environmental impact due to the energy source and energy transportation will be considered where possible. Recommendations concerning energy source selection should be made by its members.

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Founded in 1894, ASHRAE is a global professional society committed to serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration, and their allied fields.

As an industry leader in research, standards writing, publishing, certification, and continuing education, ASHRAE and its members are dedicated to promoting a healthy and sustainable built environment for all, through strategic partnerships with organizations in the HVAC&R community and across related industries.

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