



**BSR/ASHRAE/ASHE Addendum m
to ANSI/ASHRAE/ASHE Standard 189.3-2021**

Publication Draft

Proposed Addendum m to Standard 189.3-2021, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities

(Draft shows Proposed Changes to Current Standard)

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(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

Addendum m updates the normative and informative references.

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.

Addendum m to Standard 189.3-2021

Modify Section 12 Normative References as follows:

Reference	Title	Section
Advancing Safety in Medical Technology (AAMI) 4301 N. Fairfax Drive, Suite 301 Arlington, VA 22203-1633, United States 1-703-525-4890 http://www.aami.org		
ANSI/AAMI ST58:2013 <u>(R2018)</u>	Chemical Sterilization and High-Level Disinfection in Health Care Facilities	11.3.3.3
American Conference of Governmental Industrial Hygienists (ACGIH) 1330 Kemper Meadow Drive Cincinnati, OH 45240, United States 1-513-742-2020 http://www.acgih.org		
<u>2024</u> 2014 TLVs® and BEIs	Threshold Limit Values for Chemical Substances and Physical Agents (TLV)	11.3.3.3, 11.4.2.4
American Society of Mechanical Engineers (ASME) Three Park Avenue New York, NY 10016-5990 United States 1-800-843-2763 and 1-973-882-1170 http://www.asme.org		
4E A112.18.1- <u>2018</u> 2005 /CSA B125.1-05	Plumbing Supply Fittings	6.3.2.1
4E A112.19.2- <u>2018</u> 2008 /CSA B45.1-08	Vitreous China Plumbing Fixtures and Hydraulic Requirements for Water Closets and Urinals	6.3.2.1
4E A112.19.14- <u>2013 (R2018)</u> - 2006	Six Liter Water Closets Equipped With a Dual Flushing Device	6.3.2.1
4E A112.19.19- <u>2016 (R2021)</u> - 2006	Vitreous China Nonwater Urinals	6.3.2.1
Antelope Valley Air Quality Management District (AVAQMD) 43301 Division Street, Suite 206 Lancaster, CA 93535, United States 1-661-723-8070 https://avaqmd.ca.gov/ South Coast Air Quality Management District 21865 Copley Dr. Diamond Bar, CA 91765 https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1406.pdf		
Rule 1406-1994	Control of Dioxin Emissions from Medical Waste Incinerators	11.3.1.3

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<http://www.ashrae.org>

ANSI/ASHRAE/IES Standard 90.1- 2022 2019	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- 2021 2017	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- 2023 2020	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

The Business and Institutional Furniture Manufacturer's Association (BIFMA)
678 Front Avenue NW, Suite 150
Grand Rapids, MI 49504-5368, United States
1-616-285-3963
<http://www.bifma.org> email@bifma.org

ANSI/BIFMA M7.1	Standard Test Method for determining VOC Emissions from Office Furniture Systems, Components and Seating	8.4.2.5.1, 8.4.2.5.2
ANSI/BIFMA e3- 2019 2008	Furniture Sustainability Standard	8.4.2.5.1

Facility Guidelines Institute (FGI) 350 N. Saint Paul St., Suite 100 Dallas, TX 75201, United States 800-242-2626
<http://www.fgiguideines.org>

Version 2022 2018	Guidelines for the Design and Construction of Hospitals	8.3.3, 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
Version 2022 2018	Guidelines for the Design and Construction of Outpatient Facilities	8.3.3, 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, 11.3.4.1
Version 2022 2018	Guidelines for the Design and Construction of Residential Health, Care, and Support Facilities	8.3.3, 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
Version 2022 2018	Materials and Resources in the Guidelines for Design and Construction of Residential Health, Care, and Support Facilities	11.3.4.1
https://fgiguideines.org/resource/sustainable-design-guidelines-for-hospitals-and-outpatient-facilities-a-white-paper (2014)	Sustainable Design Guidelines for Hospitals and Outpatient Facilities: A White Paper	11.3.4.1

Green Seal (GS)
1001 Connecticut Avenue, NW, Suite 827
Washington, DC 20036-5525, United States 1-
202-872-6400
<http://www.greenseal.org>

GS-34, September 8 4, 2017 2014	Cleaning and Degreasing Agents Edition 2.2	10.9.5
GS-37, June July 23 12, 2022 2012	Cleaning Products for Industrial and Institutional Use Edition 7.8	10.9.5
GS-40, September 1, 2014 <u>July 31, 2020</u>	Floor-Care Products for Industrial and Institutional Use Edition 2.5	10.9.5
GS-42, October 14, 2014 <u>July 7, 2015</u>	Commercial and Institutional Cleaning Services Edition 2.3	10.9.5

International Association of Plumbing and Mechanical Officials (IAPMO) 4755 E. Philadelphia Street Ontario, CA 91761, United States 1-909-472-4100
<http://www.iapmo.org>

IAPMO/ANSI Z124.4.9- 2004 <u>2022e1</u>	Plastic Urinal Fixtures	6.3.2.1
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The Joint Commission One Renaissance Road Oakbrook Terrace, IL 60181, United States 1-630-792-5000
<http://www.jointcommission.org>

Standard 3.10	Environment of Care	10.10.3.1
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Underwriters Laboratories Inc. (UL) 333 Pfingsten Road Northbrook, IL 60062, United States 1-847-272-8800
<http://www.ul.com> cec.us@us.ul.com

UL EcoLogo 2759- 2016 2014	Hardsurface Cleaners	10.9.5
UL EcoLogo 2777- 2016 2014	Floor Care Products	10.9.5
UL EcoLogo 2792- 2016 2012	Cleaning and Degreasing Compounds: Biologically-Based	10.9.5
UL EcoLogo 2794-2012	Disinfectants and Disinfectant Cleaners	10.9.5
UL EcoLogo 2795- 2016 2012	Carpet and Upholstery Cleaners	10.9.5

U.S. Government Printing Office (GPO) 732 North Capitol Street, NW Washington, DC 20401-0001, United States 202.512.1800
<http://www.gpo.gov>

Title 42—The Public Health And Welfare	Chapter 134—Energy Policy, Subchapter I—Alternative Fuels-General, Sec. 13211—Definitions	11.4.1.1
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U.S. Department of Health and Human Services Centers for Disease Control and Prevention (CDC) Healthcare Infection control Practices Advisory committee (HICPAC) 1600 Clifton Rd. Atlanta, GA 30333, United States 1 800-CDC-INFO (800-232-4636)
<http://www.cdc.gov>

CDC Guidelines (2008)	Guideline for Disinfection and Sterilization in Healthcare Facilities, 2008	11.3.3.3
CDC Guidelines (2003)	Guidelines for Environmental Infection Control	J7
Bulletin 52 (1997)	Ethylene Oxide Sterilizers in Health Care Facilities: Engineering Controls and Work Practices	11.3.3.3

**U.S. Department of Labor
Occupational Safety and Health
Administration (OSHA) 200 Constitution Ave.,
NW
Washington, DC 20210, United States 1-800-
321-OSHA (6742)
<http://www.osha.gov>**

Standard 29 CFR 1910.1047	Part 1910 Occupational Safety and Health Standards—Subpart 1047—Ethylene Oxide.	11.3.3.3., 11.4.2.4
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**U.S. Environmental Protection Agency
(USEPA) Office of Wastewater Management
(4204M) 1200 Pennsylvania Avenue NW
Washington, DC 20460, United States 1-866-
987-7367
<http://www.epa.gov/watersense>**

Version 1.2 (2014)	WaterSense Tank-Type High Efficiency Toilet Specifications	6.3.2.1(a) and (b)
Version 1.0 (2007)	Standards Of Performance For New Stationary Sources	6.3.2.1(f)
40 CFR Part 40—Chapter 1, Subchapter N, Part 460 Protection of Environment, Chapter 1—	Environmental Protection Agency, Subchapter N— Effluent Guidelines and Standards, Part 460—Hospital Point Source Category	10.10.1
40 CFR Part 60 (2013)	Standards Of Performance For New Stationary Sources	11.3.1.3
40 CFR Part 112 (2013)	Spill Prevention Control Countermeasures Regulations (SPCC)	10.10.3, 11.3.3.2

Modify Informative Appendix A as follows:
INFORMATIVE APPENDIX A

INFORMATIVE REFERENCES

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ASHRAE

180 Technology Parkway NW
Peachtree Corners, GA 30092, United States
1-404-636-8400
<http://www.ashrae.org>

ANSI/ASHRAE Standard 62.1- <u>2022</u> 2019	Ventilation for Acceptable Indoor Air Quality	Foreword
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