

# ADDENDA

**ANSI/ASHRAE/ASHE Addendum h to  
ANSI/ASHRAE/ASHE Standard 189.3-2021**

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

Approved by ASHRAE Standards Committee on June 22, 2024; by the American Society for Healthcare Engineering on May 31, 2024; and by the American National Standards Institute on July 23, 2024.

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**Cognizant TC: 9.6, Healthcare Facilities**

**Supporting TC: 2.8, Building Environmental Impacts and Sustainability**

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## **FOREWORD**

*Healthcare facilities are unique in that they need to maintain normal operating targets while experiencing atypical conditions, such as temperature extremes beyond the typical ASHRAE 99.6% heating design condition and being required to achieve quick temperature rises in some patient-occupied rooms. Heating hot water is a typical medium utilized for management of these operational targets. Addendum h adds a section specifying the target temperature shall be a maximum of 130°F (54°C) to find the balance between performance of efficient heat generation equipment, such as heat recovery chillers/heat pumps, and reasonable heating coil sizes and pressure drops.*

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

### **Addendum h to Standard 189.3-2021**

*Modify Section 7 as follows. The remainder of Section 7 remains unchanged.*

**7.4.3.12 Heating Hot-Water Supply Temperature.** Heating hot-water coils shall meet the heating capacity at design conditions with a maximum entering water temperature of 130°F (54°C).

**Exception to 7.4.3.12:** Existing heating hot-water coils.

**Informative Note:** Maximum entering water temperature may be temporarily increased above 130°F (54°C) during extreme temperature conditions that are colder than ASHRAE 99.6% heating design conditions.

## **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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