

ADDENDA

**ANSI/ASHRAE/ASHE Addendum h
to ANSI/ASHRAE/ASHE Standard 170-2017**

Ventilation of Health Care Facilities

Approved by ASHRAE on April 1, 2020; by the American Society for Healthcare Engineering on March 31, 2020; and by the American National Standards Institute on April 1, 2020.

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FOREWORD

Addendum h provides guidance to users of Standard 170 for considerations related to thermal comfort, with acknowledgment and limitations of the role of ASHRAE Standard 55 requirements and how to incorporate thermal comfort requirements into their design of Standard 170 spaces.

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

Addendum h to Standard 170-2017

Add new Informative Appendix B, "Thermal Comfort." Reletter current appendices accordingly.

(This appendix 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.)

INFORMATIVE APPENDIX B THERMAL COMFORT

- a. Section 2.7 was added to the scope of Standard 170 to better communicate that compliance with Standard 170 does not ensure compliance with ASHRAE Standard 55.
- b. ASHRAE Standard 55 specifies the combination of environmental factors (temperature, thermal radiation, humidity, air speed) and personal factors (activity level and clothing) that will produce thermal conditions acceptable to the majority of healthy occupants. However, there are scenarios and spaces within health care facilities where Standard 55 does not apply or where deviations from Standard 55 are required.
- c. Standard 170 provides HVAC design temperature and humidity ranges that, while potentially affecting occupant comfort, are also provided in support of therapeutic patient outcomes, aseptic practices, and worker protection.

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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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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