

# ADDENDA

**ANSI/ASHRAE/ASHE Addendum ac to  
ANSI/ASHRAE/ASHE Standard 170-2008**

# Ventilation of Health Care Facilities

Approved by the ASHRAE Standards Committee on July 26, 2013; by the ASHRAE Board of Directors on July 30, 2013; by the ASHE Board of Directors on July 20, 2013; and by the American National Standards Institute on July 31, 2013.

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

ASHRAE Standards are prepared by a Project Committee appointed specifically for the purpose of writing the Standard. The Project Committee Chair and Vice-Chair must be members of ASHRAE; while other committee members may or may not be ASHRAE members, all must be technically qualified in the subject area of the Standard. Every effort is made to balance the concerned interests on all Project Committees.

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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

*This addendum adds requirements for ducted returns for inpatient facilities.*

**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 ac to Standard 170-2008

*Modify Section 6.7.1 as follows. (Note: Section 6.7.1 was modified by Addendum m to Standard 170-2008, previously published and available for free on the ASHRAE website at <https://www.ashrae.org/standards-research--technology/standards-addenda>)*

## 6.7 Air Distribution Systems

**6.7.1 General.** Maintain the pressure relationships required in Table 7-1 in all modes of HVAC system operation, except as noted in the table. Spaces listed in Table 7-1 that have required pressure relationships shall be served by fully ducted return systems or fully ducted exhaust systems. The following additional surgery and critical care patient care areas that do not require a pressure relationship to adjacent areas shall also be served by fully ducted return or exhaust systems: 1) recovery rooms, 2) critical and intensive care areas, 3) intermediate care areas, and 4) wound intensive care units (burn units). In inpatient facilities, patient care areas shall utilize ducted systems for return and exhaust air. Where space pressure relationships are required, the air-distribution system design shall maintain them, taking into account recommended maximum filter loading, heating-season lower air-flow operation, and cooling-season higher airflow operation. Airstream surfaces of the air-distribution system downstream of Filter Bank No. 2, shall comply with Section 5.5 of ANSI/ASHRAE Standard 62.1-2007. The air-distribution system shall be provided with access doors, panels, or other means to allow convenient access for inspection and cleaning. (For further information, see ANSI/ASHRAE Standard 62.1.)

## **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.

