



# ADDENDA

**ANSI/ASHRAE Addendum n to  
ANSI/ASHRAE Standard 62.2-2013**

# Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings

Approved by the ASHRAE Standards Committee on October 13, 2015; by the ASHRAE Board of Directors on November 6, 2015; and by the American National Standards Institute on December 2, 2015.

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

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## FOREWORD

This change updates the requirements for ventilation controls, especially in the case of systems that are intended to operate continuously or automatically in multifamily units. In this case, the change supports the concept that the building owner should have the option of retaining control of the systems that they install and maintain to provide minimum indoor air quality and to manage indoor humidity for the building occupants.

The change also updates the language related to the labeling of whole-building mechanical ventilation controls by approving icons for use in addition to text-based labels. Finally, the change recognizes humidity sensors as a form of automatic controls for demand controlled mechanical ventilation. With California's new requirement for humidity sensors in all bathrooms, these are likely the most common form of automatic controls on the market and so should be included.

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

### Addendum n to Standard 62.2-2013

Revise Section 4.4 as shown.

**4.4 Control and Operation.** ~~The "fan on" switch on a heating or air conditioning system shall be permitted as an operational control for systems introducing ventilation air through a duct to the return side of an HVAC system. Readily accessible override~~ A readily accessible manual ON-OFF control, including but not limited to a fan switch or a dedicated branch-circuit overcurrent device, must ~~shall be provided to the occupant. Controls shall include text or an icon indicating the system's function~~ Local exhaust fan switches and "fan on" switches shall be permitted as override controls. Controls, including the "fan on" switch of a conditioning system, must ~~shall be appropriately labeled.~~

**Exception:** For multifamily dwelling units, the manual ON-OFF control shall not be required to be readily accessible.

Revise Section 5 as shown. The remainder of Section 5 is unchanged.

## 5. LOCAL EXHAUST

**5.1 Local Mechanical Exhaust.** A local mechanical exhaust system shall be installed in each kitchen and bathroom. Each local ventilation system shall be either one of the following two:

- a. A demand-controlled mechanical exhaust system meeting the requirements of Section 5.2

- b. A continuous mechanical exhaust system meeting the requirements of Section 5.3

**Exception:** *Alternative Ventilation.* Other design methods may be used to provide the required exhaust rates when approved by a licensed design professional.

**5.2 Demand-Controlled Mechanical Exhaust.** A local mechanical exhaust system shall be designed to be operated as needed ~~by the occupant.~~

**5.2.1 Control and Operation.** A readily accessible manual ON-OFF control shall be provided for each demand-controlled mechanical exhaust system. Automatic control devices such as but not limited to the following ~~are permissible~~ shall be permitted provided they do not impede manual ~~ON-OFF occupant~~ control: humidity sensors, shut-off timers, occupancy sensors, multiple-speed fans, combined switching, IAQ sensors, etc.

**Exception:** For multifamily dwelling units, an automatic control device shall be permitted to override manual OFF control, provided that it does not override manual ON control.

[...]

**5.3 Continuous Mechanical Exhaust.** ~~A continuously operating~~ A continuously operating mechanical exhaust system shall be installed to operate ~~continuously without occupant intervention.~~ The system may be part of a balanced mechanical system. See Chapter 10 of ASHRAE Guideline 24<sup>4</sup> for guidance on selection of methods.

**5.3.1 Control and Operation.** A readily accessible manual ON-OFF control shall be provided for each continuous mechanical exhaust system. The system shall be designed to operate during all occupiable hours. ~~Readily accessible override control must be provided to the occupant.~~

**Exception:** For multifamily dwelling units, the manual ON-OFF control shall not be required to be readily accessible.

[...]



## **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.

