



ADDENDA

**ANSI/ASHRAE Addendum p to
ANSI/ASHRAE Standard 62.2-2016**

Ventilation and Acceptable Indoor Air Quality in Residential Buildings

Approved by the ASHRAE Standards Committee on January 12, 2019; by the ASHRAE Board of Directors on January 16, 2019; and by the American National Standards Institute on February 13, 2019.

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ISSN 1041-2336



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FOREWORD

Addendum p updates terminology regarding multifamily buildings for consistency. It adds an explicit definition of “horizontally attached dwelling unit” to help make application of requirements clear.

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 p to Standard 62.2-2016

Add a definition to Section 3 as shown.

dwelling unit, horizontally attached: an attached dwelling unit not sharing ceilings or floors with other dwelling units, occupiable spaces, public garages, or commercial spaces.

Revise Section 4.1.2 as shown. The remainder of Section 4.1.2 is unchanged.

4.1.2 Infiltration Credit. If a blower door test has been performed then a credit for estimated infiltration may be taken for ~~nonattached detached~~ attached dwelling units using either the procedure in Section 4.1.2.1 or 4.1.2.2. Attached dwelling units other than horizontally attached shall not be permitted to take an infiltration credit. Horizontally attached ~~single-family~~ dwelling units shall be permitted to utilize a blower door test result ~~that includes common walls~~ to take this credit, subject to the reduction factor A_{ext} in Equation 4.2.

If this credit is taken, then the Required Mechanical Ventilation Rate (Q_{fan}) shall be calculated using Equation 4.2

$$Q_{fan} = Q_{tot} - \Phi(Q_{inf} \times A_{estext}) \quad (4.2)$$

where

Q_{fan} = required mechanical ventilation rate, cfm (L/s)

Q_{tot} = total required ventilation rate, cfm (L/s)

Q_{inf} = infiltration, cfm (L/s) (see Normative Appendix A for exceptions for existing buildings)

A_{estext} = 1 for ~~single-family detached~~ attached dwelling units; homes, or otherwise, for horizontally attached dwelling units, the ratio of exterior envelope surface area that is not attached to garages or other dwelling units, to total envelope surface area ~~for single-family attached homes~~

Φ = 1 for balanced ventilation systems and Q_{inf}/Q_{tot} otherwise

Exception: A ventilation fan is not required when Q_{fan} is less than 10 cfm (5 L/s).

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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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