



ADDENDA

**ANSI/ASHRAE Addendum n to
ANSI/ASHRAE Standard 62.2-2022**

Ventilation and Acceptable Indoor Air Quality in Residential Buildings

Approved by the ASHRAE Standards Committee on October 11, 2024, and by the American National Standards Institute on October 31, 2024.

This addendum was approved by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. Instructions for how to submit a change can be found on the ASHRAE® website (www.ashrae.org/continuous-maintenance).

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ASHRAE Standing Standard Project Committee 62.2

Cognizant TC: 4.3, Ventilation Requirements and Infiltration

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FOREWORD

Addendum n provides a path for filters that comply with ASHRAE Standard 241 and that are installed in permanently installed equipment to use the filtered air delivery rate in Section 7.6.

Informative 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 62.2-2022

Modify Section 7.6 as shown. The remainder of Section 7.6 is unchanged. Reference Addendum a to 62.2-2022. Published addenda are available for free on the ASHRAE website at www.ashrae.org/technical-resources/standards-and-guidelines/standards-addenda.

7.6 Filtered Air Delivery Rate. Where qualifying filters are used in conjunction with permanently installed air-moving devices, this section shall be used to determine the filtered air delivery rate (FADR) and the particle reduction factor (PRF) as needed. The FADR at any one time shall be the sum of the individual FADRs from permanently installed air-moving devices operating at that time, calculated using Equation 7-1.

$$\text{FADR} = \sum_{i=1}^n \text{FADR}_i \quad (7-1)$$

where

FADR = filtered air delivery rate at any one time

n = the number of permanently installed air-moving devices providing an FADR at any one time

FADR_i = the FADR for the i^{th} permanently installed air-moving device, cfm/ft^2 ($\text{L}/\text{s}/\text{m}^2$)

If no permanently installed air-moving devices are in operation, the FADR shall be zero.

7.6.1 Permanently Installed Air-Moving Devices. The FADR for a permanently installed air-moving device using a qualifying filter shall be determined using Equation 7-2 or Equation 7-3.

$$\text{FADR}_i = 0.85 \times Q_{\text{recirculated},i} / A_{\text{floor}} \quad (7-2)$$

$$\text{FADR}_i = V_{\text{ACS}} / A_{\text{floor}} \quad (7-2)$$

where

FADR_i = filtered air delivery rate for the i^{th} permanently installed air-moving device, cfm/ft^2 ($\text{L}/\text{s}/\text{m}^2$)

V_{ACS} = equivalent clean airflow rate for the i^{th} permanently installed air-moving device meeting the requirements of Section 7 of ANSI/ASHRAE Standard 241, calculated from Section 7.2 or 7.3 of Standard 241, cfm (L/s)

A_{floor} = dwelling-unit floor area, ft^2 (m^2)

$$\text{FADR}_i = 0.85 \times Q_{\text{recirculated},i} / A_{\text{floor}} \quad (7-3)$$

where

FADR_i = filtered air delivery rate for the i^{th} permanently installed air-moving device, cfm/ft^2 ($\text{L}/\text{s}/\text{m}^2$)

$Q_{\text{recirculated},i}$ = recirculated airflow of the i^{th} permanently installed air-moving device, cfm (L/s)

A_{floor} = dwelling-unit floor area, ft^2 (m^2)

Add new reference to Section 10 as shown.

10. REFERENCES

ASHRAE

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ASHRAE Standard 241-2023

Control of Infectious Aerosols

Section 7.6.1

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.

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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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