



ADDENDA

**ANSI/ASHRAE Addendum z to
ANSI/ASHRAE Standard 62.1-2022**

Ventilation and Acceptable Indoor Air Quality

Approved by ASHRAE and the American National Standards Institute on September 30, 2025.

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Cognizant TC: 4.3, Ventilation Requirements and Infiltration

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FOREWORD

The code currently exempts laboratories and animal facilities from meeting the ventilation rates in Table 6-1 when certain conditions are met but does not exempt them from the minimum exhaust airflow rate requirements in Table 6-2. Addendum z corrects this oversight and allows qualified professionals to establish the minimum exhaust rates required.

ANSI Z9.5-2022 also does not set a minimum air change rate and notes that studies have shown that laboratories can be operated safely at as low as 2 ACH under demand control sequences. The current exhaust rate of 1.0 cfm/ft² (5.0 L/s·m²) is roughly equivalent to 6 ACH, thus preventing laboratories from turning down to 2 ACH. In order to allow these energy savings, the minimum exhaust rate is reduced to 0.35 cfm/ft² (1.75 L/s·m²), consistent with ANSI Z9.5.

In Table 6-2, the name of the occupancy category is also corrected to “science laboratories” to be consistent with Table 6-1, Informative Appendix J, and Informative Appendix M.

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 z to Standard 62.1-2022

Modify Section 6.2.1.1 as follows.

6.2.1.1.5 Laboratories. Laboratory spaces that comply with all requirements of ANSI/ASSP Z9.5 are not required to comply with the rates in Table 6-1 and Table 6-2.

6.2.1.1.6 Animal Facilities. Animal facilities that have completed a risk evaluation performed by the EHS professional responsible to the owner or to the owner’s designee are not required to comply with the rates in Table 6-1 and Table 6-2.

Modify Table 6-2 as shown below. The remainder of Table 6-2 is unchanged.

Table 6-2 Minimum Exhaust Rates

Occupancy Category	Exhaust Rate, cfm/unit	Exhaust Rate, cfm/ft ²	Notes	Exhaust Rate, L/s·unit	Exhaust Rate, L/s·m ²	Air Class
Educational science <u>Science</u> laboratories	—	1.00 <u>0.35</u>		—	5.0 <u>1.75</u>	2

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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