



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

Public Review Draft

Proposed Addendum z to Standard 62.1-2022, Ventilation and Acceptable Indoor Air Quality

**First Public Review (July 2025)
(Draft shows Proposed Changes to Current Standard)**

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ASHRAE, 180 Technology Parkway, Peachtree Corners, Georgia 30092

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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 of Table 6-2. This proposed addendum 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/SF (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, consistent with ANSI Z9.5, the minimum exhaust rate is reduced to 0.35 CFM/SF (1.75 L/s m²).

The name of the occupancy category is also corrected in Table 6-2 to Science laboratories to be consistent with Table 6-1, Informative Appendix J, and Informative Appendix M.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum z to 62.1-2022

Modify Section 6.2.1.1 as shown below.

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 laboratories	—	1.00 0.35		—	5.0 1.75	2