



**BSR/ASHRAE/ASHE Addendum r
to ANSI/ASHRAE/ASHE Standard 170-2021**

Public Review Draft

**Proposed Addendum r to
Standard 170-2021, Ventilation of
Health Care Facilities**

**First Public Review (May 2024)
(Draft shows Proposed Changes to Current Standard)**

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FOREWORD

Proposed Addendum r revises Table 9-1 Design Parameters for Residential Health, Care, and Support-Specific Spaces.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (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 r to 170-2021

Revise Table 9-1 as shown. The remainder of Table 9-1 is unchanged.

Table 9-1 Design Parameters for Residential Health, Care, and Support-Specific Spaces

Function of Space (f)	Pressure Relationship to Adjacent Areas (n)	Minimum Outdoor ach	Minimum Total ach	All Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Unoccupied Turndown	Minimum Filter Efficiencies (c)	Design Relative Humidity (k), %	Design Temperature (l), °F/°C
RESIDENTIAL HEALTH									
NURSING HOMES									
Resident living/activity/dining (FGI 3.1–2.3.3)	NR	42	4	NR	NR	Yes	MERV-13	Max 60	70–78/21–29

Informative Note: NR = No requirement

Normative Notes for Table 9-1:

- a. Room unit use shall be limited to the type indicated in this column. Where multiple unit types are indicated, a single device with a combination of components may be utilized. Except where indicated by a "No" in this column, recirculating room Room HVAC units (with heating or cooling coils) are acceptable for providing that portion of the minimum total air changes per hour that is permitted by Section 9.1 (subparagraph [a][5]). Because of the cleaning difficulty and potential for buildup of contamination, recirculating room units shall not be used in areas marked "No." ~~Recirculating devices with high efficiency particulate air (HEPA) filters shall be permitted in existing facilities as interim, supplemental environmental controls to meet requirements for the control of airborne infectious agents.~~ The design of either portable or fixed these systems should prevent stagnation and short circuiting of airflow. The design of such systems shall also allow for easy access for scheduled preventative maintenance and cleaning.
- b. The AII room described in this standard shall be used for isolating the airborne spread of infectious diseases, such as measles, varicella, or tuberculosis. ~~Supplemental recirculating devices using HEPA filters shall be permitted in the AII room to increase the equivalent room air exchanges; however, the minimum outdoor air changes of Table 9-1 are still required.~~ When the AII room is not used for airborne infection isolation, the pressure relationship to adjacent areas, when measured with the door closed, shall remain unchanged, and the minimum total air change rate shall be 6 ach.

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