



**BSR/ASHRAE/ASHE Addendum c  
to ANSI/ASHRAE/ASHE Standard 170-2017**

**Public Review Draft**

**Proposed Addendum c to  
Standard 170-2017, Ventilation of  
Health Care Facilities**

**First Public Review (February 2019)  
(Draft shows Proposed Changes to Current Standard)**

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**ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305**

**(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)**

## FOREWORD

*This proposed addenda provides guidance to users of Standard 170 on how to incorporate air classifications into their design of Standard 170 spaces if they are required to utilize them in conjunction with ASHRAE Standard 62.1.*

*[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 c to 170-2017

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**Add new Informative Appendix B – Air Classifications. Re-letter current appendices accordingly.**

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### **Informative Appendix B** **Air Classifications**

ASHRAE Standard 62.1 categorizes spaces into air classifications and prevents the recirculation and transfer of air under many conditions from spaces with higher air classifications to spaces with lower air classifications based on Section 5.16 of ASHRAE Standard 62.1. This appendix includes guidelines on how to apply air classifications to ASHRAE/ASHE Standard 170 spaces.

- 1) Air classifications should be applied as indicated below and in accordance with ASHRAE Standard 62.1<sup>1</sup> Section 5.16.
- 2) Recirculation allowances by room units shall be in accordance with the room recirculation requirements of Tables 7.1, 8.1, and 9.1 and ASHRAE 62.1 Section 5.16. *Informative note: This should not be construed to prevent room recirculation of air within the same space when permitted by ASHRAE/ASHE 170 but prevented by ASHRAE 62.1 air classifications.*
- 3) Energy recovery devices serving Standard 170 spaces should meet the requirements of Section 6.8 of Standard 170.
- 4) Spaces in Tables 7.1, 8.1, and 9.1 requiring 100% exhaust air should be class 3 air.
  - 1) Exception: Spaces listed in Section 6.3.2.1 should be class 4 air.
  - 2) Exception: For spaces with class 3 and 4 air, room recirculation should be as

permitted by HEPA filtration when indicated in Tables 7.1, 8.1, and 9.1 and associated notes.

- 5) Spaces requiring negative pressure but not 100% exhaust air should be class 2 air. The following list of spaces should also be considered class 2 air:
  - 1) Resident gathering/activity/dining (mild odor contaminants)
  - 2) Resident room in skilled nursing facilities (mild odor contaminants)
  - 3) Resident unit corridor in skilled nursing facilities (mild odor contaminants)
  - 4) Laboratory work area, media transfer (mild odor contaminants)
  - 5) Special examination room (biological concerns)
  - 6) Pharmacy (mild odor contaminants)
- 6) All other spaces should be class 1 air.