



**BSR/ASHRAE Addendum ak  
to ANSI/ASHRAE Standard 62.1-2016**

**Public Review Draft**

# **Proposed Addendum ak to Standard 62.1-2016, Ventilation for Acceptable Indoor Air Quality**

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

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**(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

*The current standard allows leakage of 10% of class 2 air into outdoor air in Section 5.16.3.2.5. In a recent poll of members of SSPC62.1, only 23% thought that leaking air from nail salons, auto repair rooms, kitchens, parking garages, pet shops, and similar are consistent with acceptable indoor air quality.*

*This proposed addendum reduces the leakage to 5%. Leakage is measured as Exhaust Air Transfer Rate (EATR). From the AHRI-1060 database of air to air energy recovery:*

- Of the 670 plate and frame heat exchangers, 70 records show that the plates have exhaust air transfer ratio (EATR) The highest EATR = 3.7*
- There are 1820 wheel records. 1040 of those are at 5% EATR or below*

*More than half of the certified products are below the threshold of 5% EATR. Further, fan orientation and pressure design can reduce or eliminate the EATR in the system design.*

*[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 ak to 62.1-2016

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*Modify Section 5.16.3.2.5 as shown below.*

**5.16.3.2.5** Class 2 air shall not be recirculated or transferred to Class 1 spaces.

**Exception:** When using any energy recovery device, recirculation from leakage, carryover, or transfer from the exhaust side of the energy recovery device is permitted. Recirculated Class 2 air shall not exceed ~~10%~~ 5% of the outdoor air intake flow.