



**BSR/ASHRAE Addendum t  
to ANSI/ASHRAE Standard 62.2-2016**

**Public Review Draft**

# **Proposed Addendum t to Standard 62.2-2016, Ventilation and Acceptable Indoor Air Quality in Residential Buildings**

**Second Public Review (January 2019)  
(Draft Shows Proposed **Independent Substantive  
Changes** to Previous Public Review Draft)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at [www.ashrae.org/standards-research--technology/public-review-drafts](http://www.ashrae.org/standards-research--technology/public-review-drafts) and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore) or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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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

*This proposed change removes the potential for people to claim they would have installed a balanced system to avoid installing an unbalanced system. It also aligns the maximum airflow requirement that precludes the need to install a fan between new and existing homes.*

*[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. 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 previous draft 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 substantive changes.]*

## Addendum t to 62.2-2016

**Revise Section 4.1.2 as shown below. Refer to Addenda l and s to 62.2-2016 for published changes to Section 4.1.2. Published addenda are available for free on the ASHRAE website at <https://www.ashrae.org/technical-resources/standards-and-guidelines/standards-addenda>.**

**4.1.2 Infiltration Credit.** If a blower door test has been performed then a credit for estimated infiltration may be taken for nonattached dwelling units using either the procedure in Section 4.1.2.1 or 4.1.2.2. Horizontally attached single-family dwelling units shall be permitted to utilize a blower door test result that includes common walls to take this credit, subject to the reduction factor  $A_{est}$  in Equation 4.2.

If this credit is taken, then the Required Mechanical Ventilation Rate ( $Q_{fan}$ ) shall be calculated using Equation 4.2

$$Q_{fan} = Q_{tot} - \Phi (Q_{inf} \times A_{ext}) \quad (4.2)$$

where

$Q_{fan}$  = required mechanical ventilation rate, cfm (L/s)

$Q_{tot}$  = total required ventilation rate, cfm (L/s)

$Q_{inf}$  = infiltration, cfm (L/s) (see Normative Appendix A for exceptions for existing buildings)

$A_{ext}$  = 1 for single-family detached homes, or the ratio of exterior envelope surface area that is not attached to garages or other dwelling units to total envelope surface area for single-family attached homes

$\Phi$  = 1 for balanced ventilation systems and  $Q_{inf}/Q_{tot}$  otherwise

**Exception:** Where  $Q_{fan}$ , calculated for unbalanced ventilation, is less than or equal to 15 cfm (7 L/s), then a neither balanced nor unbalanced dwelling-unit mechanical-ventilation system is not required.