BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 62.1-2019

Public Review Draft

Proposed Addendum a to
Standard 62.1-2019, Ventilation for
Acceptable Indoor Air Quality

First Public Review (January 2020)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

This proposed addendum clarifies that air density adjustments are permitted but are not required. At the publication of ANSI/ASHRAE Standard 62.1-2016 General Notes for Table 6.2.2.1 Note 3 was modified from “Air density: Volumetric airflow rates are based on dry air density of 0.075 lbda/ft³ (1.2 kgda/m³) at a barometric pressure of 1 atm (101.3 kPa) and an air temperature of 70°F (21°C). Rates may be adjusted for actual density, but such adjustment is not required for compliance with this standard.” to read “Air density: Volumetric airflow rates are based on dry air density of 0.075 lbda/ft³ (1.2 kgda/m³) at a barometric pressure of 1 atm (101.3 kPa) and an air temperature of 70°F (21°C). Rates shall be permitted to be adjusted for actual density.” This change was undertaken as editorial in order to conform the standard to standard language requirements but has led to confusion as to whether density adjustments are required.

Although the technical basis for ventilation in this standard is rooted in mass balance, the customary means of measuring air flow rates is volumetric. A requirement for density corrections would represent a substantive change and would have implications for other requirements in the standard.

[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 a to 62.1-2019

Revise 6.2.1.3 as shown below.

6.2.1.3 Air Density. Volumetric airflow rates are based on dry-air density of 0.075 lbda/ft³ (1.2 kgda/m³) at a barometric pressure of 1 atm (101.3 kPa) and an air temperature of 70°F (21°C). Rates shall be permitted to be adjusted for actual density, but such adjustments are not required for compliance with this standard.