



ADDENDA

**ANSI/ASHRAE Addendum k to
ANSI/ASHRAE Standard 62.1-2016**

Ventilation for Acceptable Indoor Air Quality

Approved by the ASHRAE Standards Committee on September 14, 2018; by the ASHRAE Technology Council on September 28, 2018; and by the American National Standards Institute on October 1, 2018.

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FOREWORD

Standard 62.1-2016 contains requirements for filtration of ozone from outdoor air under certain conditions. This addendum changes the requirement to be consistent with current EPA ambient air quality standards. Filtration will only be required in areas that are Serious, Severe 15, Severe 17, or extreme in the U.S. Informative Appendix F was previously modified to remove the map. For other parts of the world, the criteria for determining compliance is spelled out in the standard.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum k to Standard 62.1-2016

Modify Section 6.2.1.3 as shown.

6.2.1.3 Ozone. Air-cleaning devices for ozone shall be provided when the most recent three-year average annual fourth-highest daily maximum eight-hour average ozone con-

centration exceeds 0.100 ppm (195 $\mu\text{g}/\text{m}^3$) ~~0.107 ppm (209 $\mu\text{g}/\text{m}^3$)~~.

Such air-cleaning devices shall have a volumetric ozone removal efficiency of not less than 40% where installed, operated, and maintained in accordance with manufacturer recommendations and shall be approved by the authority having jurisdiction. Such devices shall be operated where the outdoor ozone levels are expected to exceed 0.100 ppm (195 $\mu\text{g}/\text{m}^3$) ~~0.107 ppm (209 $\mu\text{g}/\text{m}^3$)~~.

Exceptions to Section 6.2.1.3: Air cleaning for ozone shall not be required where

1. the system design outdoor air intake flow is 1.5 ach or less,
2. controls are provided that sense outdoor ozone level and reduce intake airflow to 1.5 ach or less while complying with the outdoor airflow requirements of Section 6, or
3. outdoor air is brought into the building and heated by direct-fired make-up air units.

Informative Note: ~~See Informative Appendix F for a map of United States locations exceeding the most recent three-year average annual fourth highest daily maximum eight-hour average ozone concentration of 0.107 ppm (209 $\mu\text{g}/\text{m}^3$).~~

Informative Note: In the U.S., a most recent three-year average annual fourth-highest daily maximum eight-hour average ozone concentration exceeding 0.100 ppm (195 $\mu\text{g}/\text{m}^3$) equates to an EPA eight-hour Ozone (2008) classification of Serious or higher (Severe 15, Severe 17 or Extreme).

POLICY STATEMENT DEFINING ASHRAE'S CONCERN FOR THE ENVIRONMENTAL IMPACT OF ITS ACTIVITIES

ASHRAE is concerned with the impact of its members' activities on both the indoor and outdoor environment. ASHRAE's members will strive to minimize any possible deleterious effect on the indoor and outdoor environment of the systems and components in their responsibility while maximizing the beneficial effects these systems provide, consistent with accepted Standards and the practical state of the art.

ASHRAE's short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

Through its *Handbook*, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating Standards and Guidelines.

The effects of the design and selection of equipment and systems will be considered within the scope of the system's intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

ASHRAE's primary concern for environmental impact will be at the site where equipment within ASHRAE's scope operates. However, energy source selection and the possible environmental impact due to the energy source and energy transportation will be considered where possible. Recommendations concerning energy source selection should be made by its members.

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