



**BSR/ASHRAE Addendum L
to ANSI/ASHRAE Standard 62.1-2025**

Public Review Draft

Proposed Addendum L to Standard 62.1-2025, Ventilation and Acceptable Indoor Air Quality

Third Public Review (July 2026)
**(Draft shows Proposed
Changes to Current Standard)**

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 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 or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHARE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

© 2022 ASHRAE. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 180 Technology Parkway, Peachtree Corners, Georgia 30092. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

ASHRAE, 180 Technology Parkway, Peachtree Corners, Georgia 30092

(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 addendum seeks to address emerging UV technologies that produce ozone at other than 185nm wavelengths.

Definitions of listed and labeled have also been provided to clarify that any national testing laboratory that lists and labels products may certify the performance to a listed standard, this includes not just UL-2998, but all other standards listed within the document.

[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 L to 62.1-2025

Add the following Section 3 Definitions.

labeled: equipment, materials, or products to which has been affixed a label, seal, symbol, or other identifying mark of a nationally recognized testing laboratory, approved agency, or other organization concerned with product evaluation that maintains periodic inspection of the production of the above-labeled items and whose labeling indicates either that the equipment, material, or product meets identified standards or has been tested and found suitable for a specified purpose.

listed: equipment, materials, products, or services included in a list published by an approved organization and concerned with evaluation of products or services that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services and whose listing states either that the equipment, material, product, or service meets identified standards or has been tested and found suitable for a specified purpose.

electronic air cleaner (EAC): device or system for removing contaminants from air by a process that requires use of electrical power supplied to the air-cleaning technology.

Revise Section 5.9 as shown below.

5.9 Ozone ~~Emitting~~ Generating Devices. The use of ozone ~~emitting~~ generating devices shall comply with the following sections ~~either~~ Section 5.9.1 or Section 5.9.2.

Exception to 5.9: ~~Electronic devices used exclusively for the operation of HVAC equipment and controls.~~

Informative Note: Ozone generation is expected from ozone generators, corona discharge technology, some ultraviolet lights, electronic devices that create chemical reactions within the system, and some devices using a high voltage (>480 V). Motors and relays are examples of electronic devices that would be exempt.

5.9.1 Air-Cleaning Devices. ~~Air-cleaning devices~~ Electronic air cleaners shall be listed and labeled in accordance with UL 2998.

Informative Note: ~~The use of devices not intended for air cleaning with the potential to generate ozone should be avoided.~~

5.9.2 Ultraviolet Devices. ~~Ultraviolet generating devices in supply air or spaces or located in equipment, ducts, or plenums that supply or recirculate air to indoor spaces shall not transmit 185 nm wavelengths~~ be tested in accordance with ASTM D8625-25 to determine the ozone generation rate. The generation rate shall result in a calculated increase in ozone concentration not greater than 3 ug/m³ (2.4 ppb) in the occupied zone, using equations 5-1 and 5-2.

$$G_{tot,a} = \sum_{i=1}^n G_{a,i} \tag{5-1}$$

$$\Delta C_a = \frac{G_{tot,a}}{\lambda V_{min,a}} \tag{5-2}$$

where

$G_{tot,a}$ = the total generation rate of ozone from all devices in the zone (µg/h)

$G_{a,i}$ = the generation rate of the ith device in the zone (µg/h)

ΔC_a = maximum acceptable concentration increase for ~~analyte~~ **ozone** (µg/m³)

λ = application minimum outdoor air change rate (ACH)

$V_{min,a}$ = volume of the occupied zone (m³)

Informative Note: ~~Ultraviolet devices used in treatment of closed water systems may produce 185 nm wavelengths, which may generate ozone.~~