



STANDARDS ACTIONS

PUBLIC REVIEW—CALL FOR COMMENTS

PUBLIC REVIEW—CALL FOR COMMENTS

Constructive comments are invited for the following Public Review Drafts, which can be accessed at <https://osr.ashrae.org>. To obtain a paper copy contact ASHRAE, Inc. Attn: Standards Public Review, 180 Technology Parkway, Peachtree Corners, GA 30092, or via email at: standards.section@ashrae.org. Paper copies are \$35.00/copy if 100 pages or less and \$45.00 if over 100 pages.

**30-day Public Review from
August 6, 2021 to September 5, 2021**

♦ **1st Public Review of BSR/ASHRAE Addendum z to ANSI/ASHRAE Standard 34-2019, *Designation and Safety Classification of Refrigerants***

This addendum adds the zeotropic refrigerant blend R-468B to Tables 4-2 and D-2.

♦ **1st Public Review of BSR/ASHRAE Addendum aa to ANSI/ASHRAE Standard 34-2019, *Designation and Safety Classification of Refrigerants***

This addendum adds the zeotropic refrigerant blend R-468C to Tables 4-2 and D-2.

♦ **2nd Public Review (Independent Substantive Change) of BSR/ASHRAE/IES Addendum b to ANSI/ASHRAE/IES Standard 100-2018, *Energy Efficiency in Existing Buildings***

This addendum adds energy efficiency measures to Informative Annex E, "Energy Efficiency Measures."

♦ **1st Public Review of BSR/ASHRAE Addendum i to ANSI/ASHRAE Standard 62.2-2019, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings***

Ozone and similar reactive oxygen species are hazardous both directly and through the indoor chemistry they promote. Some products such as electronic air cleaners may produce ozone incidentally. This proposed addendum prohibits intentional production of ozone and similar species and sets limits on the incidental ozone production allowed.

♦ **1st Public Review of BSR/ASHRAE Addendum g to ANSI/ASHRAE Standard 62.1-2019, *Ventilation for Acceptable Indoor Air Quality***

Residential occupancies that are 4 stories or more were removed from Standard 62.1 with the 2016 version. Some spaces within these buildings may still be under the scope of Standard 62.1 such as common corridors, lobbies, etc. This proposed addendum removes some items related to nontransient occupancies that are now under the scope of Standard 62.2, Ventilation and Acceptable Indoor Air Quality in Residential Buildings.

♦ **1st Public Review of BSR/ASHRAE/ICC/USGBC/IES Addendum i to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings***

Addendum i adds a new requirement that electric storage water heaters with a tank capacity greater than 20 gallons (75 L) be provided with demand responsive controls in accordance with ANSI/CTA-2045-B.

♦ **1st Public Review of BSR/ASHRAE/IES Addendum aj to ANSI/ASHRAE/IES Standard 90.1-2019, *Energy Standard for Buildings Except Low-Rise Residential Buildings***

This addendum clarifies the process for calculating the minimum efficiency of dry-type transformers using the baseline building performance method in Appendix G. The new guidance explains that linear interpolation is to be used when the kVA rating falls between values listed in Table 8.4.4.

♦ **1st Public Review of BSR/ASHRAE/IES Addendum ak to ANSI/ASHRAE/IES Standard 90.1-2019, *Energy Standard for Buildings Except Low-Rise Residential Buildings***

Addendum ak modifies Section G3.1.1 to provide a new threshold at which an HVAC zone is to be modeled separately from the rest of a multizone system within the baseline building. The new values target spaces with high internal equipment loads and occupant densities such as commercial kitchens and auditoriums.



STANDARDS ACTIONS

PUBLIC REVIEW—CALL FOR COMMENTS

- ♦ **1st Public Review of BSR/ASHRAE/IES Addendum an to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings**

This addendum modifies Appendix G requirements related HVAC System Fan operation to remove an existing conflict between the requirements in Table G3.1 (#4) and G3.1.2.4. The new language clarifies that systems not relying on HVAC fans for ventilation are designed to cycle with load rather than occupancy.

- ♦ **1st Public Review of BSR/ASHRAE/IES Addendum ao to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings**

Addendum ao proposes changes to the requirements for air curtains and controls. Minor revisions to the language associated with air curtain units in Sections 5.4.3.3, 6.4.3.9, and 10.4.5 are proposed for clarity. Section 10.4.5 is also modified to remove the requirement for jet direction (the angle at which the jet is oriented towards an opening); this information is to be determined from the manufacturer's instructions.

45-day Public Review from August 6, 2021 – September 20, 2021

- ♦ **1st Public Review of ASHRAE Guideline 42P, Enhanced Indoor Air Quality in Commercial and Institutional Buildings**

Proposed Guideline 42 is intended for a global audience and will provide guidance to engineers, designers, hygienists, air quality practitioners, and building owners on measures which may be taken to enhance IAQ in commercial and institutional buildings. The sections in this document will provide a roadmap of varied best practices regarding buildings and systems that augment air quality within the built environment. This guidance is not intended to be all inclusive, nor does it guarantee enhanced ventilation, it will however, guide the audience through concepts, research, and processes that have been developed and implemented successfully when designed, installed, and operated effectively.

PUBLIC REVIEW—CALL FOR COMMENTS

- ♦ **1st Public Review of BSR/ASHRAE Addendum d to ANSI/ASHRAE Standard 55-2020, Thermal Environmental Conditions for Human Occupancy**

Addendum d to Standard 55-2020 proposes changes to the ERF code. The new code allows the user to calculate ERF and delta mean radiant temperature for an additional body position: horizontal.

- ♦ **1st Public Review of BSR/ASHRAE/IES Addendum aq to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings**

This addendum introduces a new Table 7.4 for Service Water Heating (SWH) piping insulation based on typical usage and operating temperatures. Existing Section 6.8.3 requirements have also been reorganized so that two of the footnotes related to insulation thickness are now featured more prominently in the body of the standard.

PUBLICATION NOTICE

The standards and guideline documents listed below are now available for purchase on the ASHRAE website at: <http://www.ashrae.org/published-standards>, or by contacting the Sales Department at: ASHRAE, 180 Technology Parkway, Peachtree Corners, GA 30092. Email: orders@ashrae.org. Fax: 404-321-5479. Telephone: 404.636.8400 (worldwide) or toll free at 1.800.527.4723 for orders in the U.S. and Canada. Addenda may be downloaded for free on the ASHRAE website at: <http://www.ashrae.org/standards-addenda>.

- ♦ **ANSI/ASHRAE Addenda f and g to ANSI/ASHRAE Standard 62.2-2019 Ventilation and Acceptable Indoor Air Quality in Residential Buildings**
- ♦ **ANSI/ASHRAE/IES Addenda o, u and v to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings**
- ♦ **ANSI/ASHRAE Standard 153-2021, Method of Test for Mass Flow Capacity of Four-Way Refrigerant Reversing Valves**



STANDARDS ACTIONS

PUBLICATION NOTICE	CALL FOR MEMBERS
<ul style="list-style-type: none"> ♦ ANSI/ASHRAE Standard 188-2021. <i>Legionellosis: Risk Management for Building Water Systems.</i> ANSI/ASHRAE Standard 188-2021 incorporates ANSI/ASHRAE Standard 188-2018 and Addenda a, b, c, d, and f to ANSI/ASHRAE Standard 188-2018. ♦ ANSI/ASHRAE/ASHE Addendum c to ANSI/ASHRAE/ASHE Standard 170-2021, <i>Ventilation of Health Care Facilities</i> 	<ul style="list-style-type: none"> i. factory-assembled equipment employing heat-operated or mechanical refrigeration cycle or cycles (e.g., a packaged unit) ii. equipment employing a heat-operated or mechanical refrigeration cycle with indoor and outdoor sections in separate assemblies (e.g., a split system) iii. equipment employing a heat-operated or mechanical refrigeration cycle as a liquid chiller with cooling coil in separate assembly (e.g., chiller) iv. equipment employing refrigeration cycles and heating functions (e.g., chiller/heater) <p>b. Method of providing air circulation through indoor section:</p> <ul style="list-style-type: none"> i. with circulating fan incorporated with indoor assembly ii. without circulating fan, for use with separate fan or air handler, or with heating equipment incorporating a fan <p>c. Medium for heat transfer to or from the outdoors:</p> <ul style="list-style-type: none"> i. air ii. water (or brine) iii. evaporatively cooled condenser (cooling only) <p>2.3 This standard does not include methods of testing the following types of equipment:</p> <ul style="list-style-type: none"> a. heat-operated absorption and engine-driven liquid chillers not part of a unitary air
CALL FOR MEMBERS	
<p>A <i>Call for Members</i> is announced for the following project committee. Persons who are interested in serving on these ASHRAE committees are asked to indicate their interest by completing the online membership application forms listed under Instructions for New Applicants at https://www.ashrae.org/pcmmemberapp or by contacting Connor Barbaree at: ASHRAE, 180 Technology Parkway, Peachtree Corners, GA 30092; phone: 678-539-1138; fax: 678-539-2138; email Standards.Section@ashrae.org.</p> <ul style="list-style-type: none"> ♦ SPC 40, <i>Methods of Testing for Rating Heat Operated Unitary Air-Conditioning and Heat-Pump Equipment</i> <p>1. PURPOSE:</p> <p>1.1 This standard provides test methods for determining the heating and cooling output capacities and energy inputs of unitary air-conditioning and heat pump equipment that is heat-operated (see Section 3, “Definitions”).</p> <p>1.2 These test methods may be used as a basis for rating such equipment, but it is not the purpose of this standard to specify methods of establishing ratings.</p> <p>2. SCOPE</p> <p>2.1 This standard applies to heat-operated unitary air conditioners and heat pumps consisting of one or more assemblies, including engine-driven systems. Where such equipment is provided in more than one assembly, the separate assemblies are designed to be used together.</p> <p>2.2 Equipment within the scope of this standard may be classified as follows:</p> <p>a. Component arrangements:</p>	
	ERRATA
	<p>New errata sheets for the following standard are now available on the ASHRAE website at http://www.ashrae.org/standards-errata.</p> <ul style="list-style-type: none"> ♦ ANSI/ASHRAE/IES Standard 90.1-2019 (I-P and SI Editions), <i>Energy Standard for Buildings Except Low-Rise Residential Buildings</i>, dated July 26, 2021. These replace the versions dated May 20, 2021.



STANDARDS ACTIONS

INTERIM MEETINGS

A complete listing of project committee interim meetings is provided on ASHRAE's website at: <https://www.ashrae.org/technical-resources/standards-and-guidelines/project-committee-interim-meetings>.

- ♦ **SSPC 62.2, Ventilation and Acceptable Indoor Air Quality in Residential Buildings.** SSPC 62.2 IAQ Subcommittee will hold a webinar on September 21, 2021 from 11:00 am to 1:00 pm (Eastern). For additional information contact Mark Weber (mweber@ashrae.org).
- ♦ **SPC 118.2-2006R, Method of Testing for Rating Residential Water Heaters,** will hold a conference call on September 1, 2021 from 1:00 pm to 3:00 pm (Eastern). For additional information contact Jim Lutz, Chair of SPC 118.2 (jdlutz@hotwaterresearch.net).
- ♦ **SPC 220P, Method of Testing for Rating Small Commercial Blast Chillers, Chiller-Freezers, and Freezers,** will hold a conference call on August 9, 2021 from 1:00 pm to 3:00 pm (Eastern). For additional information contact Oliver Ta, Chair of SPC 220 (oliver.ta@sce.com).
- ♦ **SPC 224P, Standard for the Application of Building Information Modeling,** will hold a conference call on August 12, 2021 from 2:00 pm to 3:00 pm (Eastern). For additional information contact Stephen Roth, Chair of SPC 224 (stephenroth@gmail.com).
- ♦ **SSPC 300, Commissioning.** The following SSPC 300 subcommittees will hold monthly webinars as follows:
 - ⇒ Standard 230P Subcommittee, *Commissioning Process for Existing Buildings and Assemblies* – 1st Thursday of every month, beginning Thursday, August 5th, from 5 PM to 7 PM Eastern
 - ⇒ Guideline 1.2 Subcommittee, *Technical Requirements for the Commissioning Process for Existing HVAC&R Systems and Assemblies* – 2nd Tuesday of every month, beginning Tuesday, August 10th, from 5 PM to 7 PM Eastern
 - ⇒ Standard 202 Subcommittee, *Commissioning Process for New Buildings and New Systems* – 2nd Thursday of every month, beginning Thursday, August 12th, from 5 PM to 7 PM Eastern.

INTERIM MEETINGS

- ⇒ Guideline 1.1 Subcommittee, *HVAC&R Technical Requirements for the Commissioning Process* – 3rd Thursday of every month, beginning Tuesday, August 17th, from 5 PM to 7 PM Eastern
 - ⇒ Guideline 1.6P Subcommittee, *Commissioning of Data Centers* – 4th Thursday of every month, beginning Thursday, August 24th, from 5 PM to 7 PM Eastern
- For additional information, please contact Ryan Shanley, Staff Liaison to SSPC 300 (rshanley@ashrae.org).

JOIN A LISTSERVE

Click on the following link to learn more about ASHRAE Standards Activities <https://www.ashrae.org/listserves>.

- ⇒ [SSPC 41 — Standard Methods for Measurement](#)
- ⇒ [SSPC 62.1 — Ventilation for Acceptable Indoor Air Quality](#)
- ⇒ [SSPC 62.2 — Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings](#)
- ⇒ [SSPC 90.1 — Energy Standard for Buildings Except Low-Rise Residential Buildings](#)
- ⇒ [SSPC 90.2 — Energy Efficient Design of Low-Rise Residential Buildings](#)
- ⇒ [SPC 90.4 — Energy Standard for Data Centers and Telecommunications Buildings](#)
- ⇒ [SSPC 161 — Air Quality within Commercial Aircraft](#)
- ⇒ [SSPC 188 — Legionellosis: Risk Management for Building Water Systems](#)
- ⇒ [SSPC 189.1 — Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings](#)
- ⇒ [Code Interaction Subcommittee \(CIS\) Listserve](#)