ASHRAE Shaping Tomorrow's Global Built Environment Today

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STANDARDS ACTIONS

GENERAL ANNOUNCEMENTS

ASHRAE Standards staff will host virtual trainings for project committee members from 12:00 PM to 12:30 Eastern Time on the dates below. Interested parties can register for each training at the corresponding link.

- Thursday, April 3rd, 2025 – Project Committee Voting and Balloting (https://ashrae.webex.com/weblink/register/r2e37c15adfd0991ae427ad41023374f1)
- Thursday, May 1st, 2025 – Responding to Public Review Comments (https://ashrae.webex.com/weblink/register/r6428515c69558a07d847eaf5e9f1c296)
- Thursday, June 5th, 2025 – Duplication/Harmonization of Standards and Guidelines (https://ashrae.webex.com/weblink/register/r63b2b3b8908e3d86ee8b91668b022116)

Please contact Ryan Shanley, Senior Manager of Standards (rshanley@ashrae.org) with any questions.

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

- **SPC 240P, *Evaluating Greenhouse Gas (GHG) and Carbon Emissions in Building Design, Construction and Operation,*** will hold a web meeting on April 30, 2025 from 10:00 am to 1:00 pm (Eastern).

For additional information contact Stephanie Reiniche, Chair of SPC 240 (sreiniche@ashrae.org) or Amber Thomas, Administrative Assistant Technology (athomas@ashrae.org).

- **SSPC 62.1, *Ventilation and Acceptable Indoor Air Quality*** Coordination and Outreach Subcommittee will hold a virtual meeting on April 7, 2025 from 10:30 am to 11:30 am (Eastern).

For additional information please contact Meghan McNulty (meghan.k.mcnulty@pnnl.gov) , Chair of the SSPC 62.1 Coordination and Outreach Subcommittee.

INTERIM MEETINGS

- **GPC 23-2016R, *Guideline for the Design and Application of Heating, Ventilation and Air Conditioning Equipment for Rail Passenger Vehicles*** will hold web meetings from 4:00 pm to 5:00 pm (Eastern) on the following dates.
  - ⇨ April 3, 2025
  - ⇨ April 10, 2025
  - ⇨ April 17, 2025
  - ⇨ May 1, 2025
  - ⇨ May 8, 2025
  - ⇨ May 15, 2025
  - ⇨ May 22, 2025
  - ⇨ June 5, 2025
  - ⇨ June 12, 2025
  - ⇨ June 19, 2025

For additional information contact Rene Beaulieu, Chair of GPC 23 (rene.beaulieu@comfortrail.com).

- **The Commercial Refrigeration Subcommittee of SSPC 15, *Safety Standard for Refrigeration Systems*,** will hold virtual meetings on the third Friday of each month from 2:00 PM to 4:00 PM (Eastern).

For additional information, please contact Danny Halel, Chair, Commercial Refrigeration Subcommittee of SSPC 15 (danny.halel@nthalpengineering.com).

- **SPC 193-2010R, *Method of Test for Determining the Airtightness of HVAC Equipment*** will hold virtual meetings from 3:00 pm to 4:30 pm (Eastern) on the following dates.
  - ⇨ March 25, 2025
  - ⇨ April 22, 2025
  - ⇨ May 27, 2025

For additional information contact Scott Creamer, Chair of SPC 193 (scott.creamer@rheem.com).

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- **SSPC 209, *Energy Simulation Aided Design for Buildings Except Low-Rise Residential Buildings*** will hold web meetings on the following dates and times:

⇨ April 14, 2025 from 2:00 pm to 4:00 pm (Eastern)

⇨ June 20, 2025 from 1pm to 5pm (Mountain) In-person as part of ASHRAE Annual meeting in Phoenix

⇨ September 9, 2025 from 2:00 pm to 4:00 pm (Eastern)

⇨ November 4, 2025 from 2:00 pm to 4:00 pm (Eastern)

For additional information contact Jason Glazer, Chair of SSPC 209 (jglazer@gard.com).

- **SPC 198-2013R, *Method of Test for Rating DX-Dedicated Outdoor Air Systems for Moisture Removal Capacity and Moisture Removal Efficiency*** will hold virtual meetings on the following dates and times.

⇨ April 14, 2025 from 11:00 am to 12:00 pm (Eastern)

⇨ May 12, 2025 from 9:00 am to 10:00 am (Eastern)

For additional information contact Benjamin Heyser, Chair of SPC 198 (bheyser@ahrinet.org).

PUBLIC REVIEW—CALL FOR COMMENTS

Constructive comments are invited for the following Public Review Drafts, which can be accessed on ASHRAE's website at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts. All activity for reviewing and commenting on public review drafts can be accomplished completely online. To obtain a paper copy of any Public Review Draft contact ASHRAE, Inc. Attn: Standards Public Review, 180 Technology Parkway, Peachtree Corners, GA 30092, or via email at: standards.section@ashrae.org.

Note: Paper copies are available for $35.00/copy if 100 pages or less and $45.00 if over 100 pages.

30-day Public Review from
March 21, 2025 to April 20, 2025

- **1st Publication Public Review of BSR/ASHRAE Addendum *a* to ANSI/ASHRAE Standard 34-2024, *Designation and Safety Classification of Refrigerants***

This proposed addendum adds the zeotropic refrigerant blend R-494B to Tables 4-2 and D-2.

- **1st Publication Public Review of BSR/ASHRAE Addendum *b* to ANSI/ASHRAE Standard 34-2024, *Designation and Safety Classification of Refrigerants***

This proposed addendum adds the zeotropic refrigerant blend R-496A to Tables 4-2 and D-2.

- **1st Publication Public Review of BSR/ASHRAE Addendum *c* to ANSI/ASHRAE Standard 34-2024, *Designation and Safety Classification of Refrigerants***

This proposed addendum adds the zeotropic refrigerant blend R-497A to Tables 4-2 and D-2.

- **1st Publication Public Review of BSR/ASHRAE Addendum *d* to ANSI/ASHRAE Standard 34-2024, *Designation and Safety Classification of Refrigerants***

This proposed addendum adds the zeotropic refrigerant blend R-498A to Tables 4-2 and D-2.

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PUBLIC REVIEW—CALL FOR COMMENTS

- **1st Publication Public Review of BSR/ASHRAE Addendum *e* to ANSI/ASHRAE Standard 34-2024, *Designation and Safety Classification of Refrigerants***

This proposed addendum adds the zeotropic refrigerant blend R-479B to Tables 4-2 and D-2.

- **1st Publication Public Review of BSR/ASHRAE Addendum *f* to ANSI/ASHRAE Standard 34-2024, *Designation and Safety Classification of Refrigerants***

This proposed addendum adds the zeotropic refrigerant blend R-499A to Tables 4-2 and D-2.

- **1st Publication Public Review of BSR/ASHRAE Addendum *g* to ANSI/ASHRAE Standard 34-2024, *Designation and Safety Classification of Refrigerants***

This proposed addendum adds the zeotropic refrigerant blend R-4101A to Tables 4-2 and D-2.

- **1st Publication Public Review of BSR/ASHRAE Addendum *h* to ANSI/ASHRAE Standard 34-2024, *Designation and Safety Classification of Refrigerants***

This proposed addendum adds the zeotropic refrigerant blend R-4102A to Tables 4-2 and D-2.

- **1st Publication Public Review of BSR/ASHRAE Addendum *i* to ANSI/ASHRAE Standard 34-2024, *Designation and Safety Classification of Refrigerants***

This proposed addendum removes existing unclassified refrigerants from Table 4-1 and moves them to a new table, Table 4-3, for compounds assigned a number designation but not a safety classification. The addendum also clarifies application instructions for compounds to receive a number designation only (without a safety classification) and details the flammability and toxicity data requirements.

- **1st Public Review of BSR/ASHRAE Addendum *c* to ANSI/ASHRAE Standard 90.4-2022, *Energy Standard for Data Centers***

Addendum c updates the Normative References to Section 12.

PUBLIC REVIEW—CALL FOR COMMENTS

1st Publication Public Review of BSR/ASHRAE Addendum *j* to ANSI/ASHRAE Standard 34-2024, *Designation and Safety Classification of Refrigerants*

This proposed addendum clarifies the flammability test conditions and the minimum required resolution for the test conditions.

- **1st Publication Public Review of BSR/ASHRAE Addendum *r* to ANSI/ASHRAE Standard 62.1-2022, *Ventilation and Acceptable Indoor Air Quality***

On February 7, 2024, EPA strengthened the National Ambient Air Quality Standards for Particulate Matter (PM NAAQS) to protect millions of Americans from harmful and costly health impacts, such as heart attacks and premature death. Particulate pollution, including fine soot particles, is a significant air quality concern, with extensive scientific evidence linking it to a range of health effects. We currently use an older version of the EPA NAAQS with an annual PM2.5 limit of 12 $\mu g/m^3$. This proposed addendum updates the value to align with the latest EPA limit, which sets the primary) annual PM2.5 standard at 9.0 $\mu g/m^3$ to provide increased public health protection, consistent with the available health science.

- **1st Publication Public Review of BSR/ASHRAE Addendum *s* to ANSI/ASHRAE Standard 62.1-2022, *Ventilation and Acceptable Indoor Air Quality***

This proposed addendum expands the available testing methods for acetaldehyde and acetone by allowing these compounds to be tested using TO-17, this update achieves benefits such as: Expanded Testing Possibilities – More laboratories will have the capability to test for acetaldehyde and acetone. Greater Laboratory Availability – Since TO-17 is widely used, more labs can offer this testing, reducing logistical challenges. Improved Cost Efficiency – TO-17 provides a more economical alternative compared to TO-11 method, making air quality assessments more affordable. Also, this proposed addendum updates EPA TO-11 to TO-11A to reflect the latest revision of the method. TO-11A provides improved analytical accuracy and updated quality control procedures.

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- **1st Publication Public Review of BSR/ASHRAE Addendum *t* to ANSI/ASHRAE Standard 62.1-2022, *Ventilation and Acceptable Indoor Air Quality***

The existing standard for Objective Evaluation does not specify if monitoring must be continuous. If an evaluator elects to perform discontinuous monitoring, there is no specification of the minimum amount of time that must be included. The existing standard also requires that the peak, not average, concentration of carbon monoxide be less than the DL, whereas the cognizant authority specified that the carbon monoxide limit was based on 8 hours. This proposed addendum realigns the carbon monoxide limits and provides a minimum for discontinuous monitoring.

- **1st Publication Public Review of BSR/ASHRAE Addendum *u* to ANSI/ASHRAE Standard 62.1-2022, *Ventilation and Acceptable Indoor Air Quality***

A growing trend within occupied buildings is to install prefabricated occupiable structures within existing spaces to allow for temporary private occupancy. These structures are often called pods and can be of various shapes and sizes, and may or may not have electrical power, plumbing, or furniture, and may be sized for 1 or more people. These pods are being used for sleeping, meditating, working, meeting, lactating, and more. The 2024 edition of NFPA 101 Life Safety Code has added requirements for these spaces. This code has noted two different prefabricated structures; sleep pods and modular rooms. These structures are different than designed sleeping structures such as capsule hotels or private suites in transportation spaces. Sleep pods and modular rooms are often added after the building is constructed and occupied, therefore were not part of the ventilation design. However, it is important that these occupied spaces are still provided with ventilation air and manufactured with passive fixed opening, forced fan driven airflow, or means to connect to the mechanical ventilation system. These sleep pods and modular spaces are class 1 spaces, and thereby if they are provided ventilation air by transfer air, they shall be located only in class 1 spaces. Manufacturers should indicate method of ventilation and rates of airflow the structure is designed for.

ERRATA

A new errata sheet for the following standard is now available on the ASHRAE website at http://www.ashrae.org/standards-errata.

- **ANSI/ASHRAE/IES Standard 90.1-2022, (I-P Edition) *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings*** dated March 17, 2025. This errata replaces the current one dated January 23, 2025.
- **ANSI/ASHRAE/IES Standard 90.1-2022, (SI Edition) *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings*** dated March 17, 2025. This errata replaces the current one dated January 23, 2025.
- **ANSI/ASHRAE/IES Standard 90.1-2010, (SI Edition) *Energy Standard for Buildings Except Low-Rise Residential Buildings*** dated March 17, 2025. This errata replaces the current one dated August 30, 2022.
- **ANSI/ASHRAE/IES Standard 90.1-2013, (SI Edition) *Energy Standard for Buildings Except Low-Rise Residential Buildings*** dated March 17, 2025. This errata replaces the current one dated June 15, 2023.
- **ANSI/ASHRAE/IES Standard 90.1-2016, (SI Edition) *Energy Standard for Buildings Except Low-Rise Residential Buildings*** dated March 17, 2025. This errata replaces the current one dated February 15, 2024.
- **ANSI/ASHRAE/IES Standard 90.1-2019, (SI Edition) *Energy Standard for Buildings Except Low-Rise Residential Buildings*** dated March 17, 2025. This errata replaces the current one dated January 23, 2025.

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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/IES Addendum *ar*, *at* and *az* to ANSI/ASHRAE/IES Standard 90.1-2022, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings***

- **ANSI/ASHRAE Standard 207-2025, *Laboratory Method of Test of Fault Detection and Diagnosis for Air Economizers***

- **ANSI/ASHRAE Standard 150-2025, *Method of Testing the Performance of Cool Storage Systems***

- **ANSI/ASHRAE/ICC/IES/USGBC Addendum *j* to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2023, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings***

- **ANSI/ASHRAE Addendum *af* to ANSI/ASHRAE Standard 15-2024, *Safety Standard for Refrigeration Systems***

CALL FOR MEMBERS

.A *Call for Members* is announced for the following PCs. 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/pcmemberapp or by contacting Ryan Shanley at: ASHRAE, 180 Technology Parkway, Peachtree Corners, GA 30092; phone: 678-539-1138; fax: 678-539-2138; email Standards.Section@ashrae.org.

- **SPC 212, *Method of Test for Determining Energy Performance and Water-Use Efficiency of Add-On Evaporative Pre-Coolers for Unitary Air Conditioning Equipment*** specifically for the User interest category.

1. PURPOSE:
To provide test methods for gathering performance data for use in calculating the design and seasonal energy savings potential and water-use performance of add-on evaporative pre-coolers for condenser inlet air of air-cooled, direct expansion unitary air conditioning equipment.

2. SCOPE:
This standard applies to add-on evaporative pre-cooling accessories applied to the condenser inlet air of air-cooled unitary direct-expansion cooling equipment with less than or equal to 240 KBtuh cooling capacity.

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JOIN A LISTSERVE

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

- GPC 36 — High Performance Sequences of Operation for HVAC Systems
- 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 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 189.1 — Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings
- SPC 201 — Facility Smart Grid Information Model
- ASHRAE Standards Action list serve
- Code Interaction Subcommittee (CIS)