ADDENDA

ANSI/ASHRAE Addendum g to
ANSI/ASHRAE Standard 15.2-2022

Safety Standard for Refrigeration Systems in Residential Applications

Approved by ASHRAE and the American National Standards Institute on August 30, 2024.

This addendum was approved by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. Instructions for how to submit a change can be found on the ASHRAE® website (www.ashrae.org/continuous-maintenance).

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SPECIAL NOTE

This American National Standard (ANS) is a national voluntary consensus Standard developed under the auspices of ASHRAE. *Consensus* is defined by the American National Standards Institute (ANSI), of which ASHRAE is a member and which has approved this Standard as an ANS, as "substantial agreement reached by directly and materially affected interest categories. This signifies the concurrence of more than a simple majority, but not necessarily unanimity. Consensus requires that all views and objections be considered, and that an effort be made toward their resolution." Compliance with this Standard is voluntary until and unless a legal jurisdiction makes compliance mandatory through legislation.

ASHRAE obtains consensus through participation of its national and international members, associated societies, and public review.

ASHRAE Standards are prepared by a Project Committee appointed specifically for the purpose of writing the Standard. The Project Committee Chair and Vice-Chair must be members of ASHRAE; while other committee members may or may not be ASHRAE members, all must be technically qualified in the subject area of the Standard. Every effort is made to balance the concerned interests on all Project Committees.

The Senior Manager of Standards of ASHRAE should be contacted for

a. interpretation of the contents of this Standard,
b. participation in the next review of the Standard,
c. offering constructive criticism for improving the Standard, or
d. permission to reprint portions of the Standard.

(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

Addendum g updates both the normative and informative references to ANSI/ASHRAE Standard 15.2.

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

Addendum g to Standard 15.2-2022

Modify Section 13 as follows. The remainder of Section 13 remains unchanged.

13. NORMATIVE REFERENCES

1. ASHRAE. 20~~19~~24. ANSI/ASHRAE Standard 34, *Designation and Safety Classification of Refrigerants*. Peachtree Corners, GA: ASHRAE.
2. UL. 20~~19~~22. UL 60335-2-40/CSA-C22.2 No. 60335-2-40, Edition 4, *~~Safety of~~ Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners, and Dehumidifiers*. Northbrook, IL: Underwriters Laboratories, Inc.
3. UL. 201~~4~~8. UL 484/CSA 22.2 No. 117, *Standard for Room Air Conditioners.* Northbrook, IL: Underwriters Laboratories, Inc.
4. UL. ~~1995~~2015. UL 1995/CSA C22.2 No. 236, *Heating and Cooling Equipment*. Northbrook, IL: Underwriters Laboratories, Inc.
5. AHRI. 2019. AHRI Standard 700, *Specifications for Refrigerants*. Arlington, VA: Air-Conditioning, Heating, and Refrigeration Institute.
6. UL. 202~~0~~2. UL 207, *Standard for Refrigerant-Containing Components and Accessories, Nonelectrical*. Northbrook, IL: Underwriters Laboratories, Inc.
7. ASSE. 2012. ASSE 1079, *Performance Requirements for Dielectric Pipe Unions*. Mokena, IL: ASSE International.
8. AWS. 201~~1~~9. A5.8M/A5.8, *~~AMD1~~ Specification for Filler Metals for Brazing and Braze Welding.* Miami, FL: American Welding Society.
9. ASME. 2018. ASME B1.20.1-2013 (R2018), *Pipe Threads, General Purpose, Inch*. New York: American Society of Mechanical Engineers.
10. ASME. 1976. ASME B1.20.3-1976 (RA20~~18~~23), *Dryseal Pipe Threads, Inch*. New York: American Society of Mechanical Engineers.
11. ASME. 2006. ASME B1.13M-2005 (R2020), *Metric Screw Threads: M Profile.* New York: American Society of Mechanical Engineers.
12. ASME. 202~~0~~4. ASME B1.1-20~~19~~24, *Unified Inch Screw Threads (UN, UNR, and UNJ Thread Forms).* New York: American Society of Mechanical Engineers.
13. ASTM. 2019. ASTM B210/B210M Revision 19A, *Standard Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes.* West Conshohocken, PA: ASTM International.
14. ASTM. 20~~15~~23. ASTM B491/B491M, *Standard Specification for Aluminum and Aluminum-Alloy Extruded Round Tubes for General-Purpose Applications*. West Conshohocken, PA: ASTM International.
15. ASTM. 201~~1~~9. ASTM B68/B68M, *Standard Specification for Seamless Copper Tube, Bright Annealed*. West Conshohocken, PA: ASTM International.
16. ASTM. 20~~11~~20. ASTM B75/B75M, *Standard Specification for Seamless Copper Tube*. West Conshohocken, PA: ASTM International.
17. ASTM. 20~~16~~23. ASTM B280, *Standard Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service.* West Conshohocken, PA: ASTM International.
18. ASTM. 2019. ASTM B819, *Standard Specification for Seamless Copper Tube for Medical Gas Systems.* West Conshohocken, PA: ASTM International.
19. ASTM. 20~~16~~23. ASTM B1003, *Standard Specification for Seamless Copper Tube for Linesets.* West Conshohocken, PA: ASTM International.

20. ASTM. 2016. ASTM B361, *Standard Specification for Factory-Made Wrought Aluminum and Aluminum-Alloy Welding Fittings.* West Conshohocken, PA: ASTM International.
21. ASME. 2018. ASME B16.15, *Cast Copper Alloy Threaded Fittings: Classes 125 and 250*. New York: American Society ~~Of~~of Mechanical Engineers.
22. ASME. 20~~18~~21. ASME B16.18, *Cast Copper Alloy Solder Joint Pressure Fittings*. New York: American Society of Mechanical Engineers.
23. ASME. 20~~18~~21. ASME B16.22, *Wrought Copper and Copper Alloy Solder-Joint Pressure Fittings*. New York: American Society of Mechanical Engineers.
24. ASME. 2018. ASME B16.26, *Cast Copper Alloy Fittings for Flared Copper Tubes*. New York: American Society of Mechanical Engineers.
25. ASME. 20~~18~~21. ASME B16.50, *Wrought Copper and Copper Alloy Braze-Joint Pressure Fittings*. New York: American Society of Mechanical Engineers.
26. ASTM. 202~~1~~3. ASTM A105, *Standard Specification for Carbon Steel Forgings for Piping Applications.* West Conshohocken, PA: ASTM International.
27. ASTM. 202~~0~~3. ASTM A181, *Standard Specification for Carbon Steel Forgings, for General-Purpose Piping.* West Conshohocken, PA: ASTM International.
28. ASTM. 20~~19~~23. ASTM A234, *Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service.* West Conshohocken, PA: ASTM International.
29. ASTM. 202~~0~~2. ASTM A420, *Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service.* West Conshohocken, PA: ASTM International.
30. MSS. 2018. ANSI/MSS SP-58, *Pipe Hangers and Supports—Materials, Design, Manufacture, Selection, Application, and Installation.* Vienna, VA: Manufacturers Standardization Society.
31. GPO. 202~~1~~4. Code of Federal Regulations, Title 40 CFR 82, *Protection of Stratospheric Ozone*. Washington, DC: U.S. Government Publishing Office.

Modify Informative Appendix C as follows. The remainder of Informative Appendix C remains unchanged.

INFORMATIVE APPENDIX C
INFORMATIVE REFERENCES

ASHRAE. 20~~19~~24. ANSI/ASHRAE Standard 15, *Safety Standard for Refrigeration Systems*. Atlanta, GA: ASHRAE.

ASHRAE. 20~~19~~22. ANSI/ASHRAE Standard 62.2, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings.* Atlanta: ASHRAE.

IIAR. 2021. ANSI/IIAR Standard 2, *American National Standard for Safe Design of Closed-Circuit Ammonia Refrigeration Systems*. Alexandria, VA: International Institute of Ammonia Refrigeration.

ISO. 20~~05~~22. ISO Standard 17584, *Refrigerant Properties*. Geneva, Switzerland: International Standards Organization.

ISO. 2014. ISO 817, *Refrigerants—Designation and Safety Classification*. Geneva, Switzerland: International Organization for Standardization.

NIST. 2013. NIST Standard Reference Database 23: Reference Fluid Thermodynamic and Transport Properties–REFPROP, Version 9.1. Gaithersburg, MD: National Institute of Standards and Technology. Including patch update DLL version 9.1108 (July 29, 2014) and mixing parameter file HMX.BNC (November 9, 2015); http://www.nist.gov/srd/nist23.cfm, http://www.boul-der.nist.gov/div838/theory/refprop/Frequently_asked_questions.htm.

Informative Note: The referenced software version or more recent version *shall* be acceptable.

UL. 2016. UL 60335-1/CSA C22.2 No. 60335-1, Safety of Household and Similar Appliances, Part 1: General Requirements. Northbrook, IL: Underwriters Laboratories, Inc.

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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Founded in 1894, ASHRAE is a global professional society committed to serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration, and their allied fields.

As an industry leader in research, standards writing, publishing, certification, and continuing education, ASHRAE and its members are dedicated to promoting a healthy and sustainable built environment for all, through strategic partnerships with organizations in the HVAC&R community and across related industries.

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