



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

First Public Review Draft

**Proposed Addendum g to
Standard 15.2-2022, Safety
Standard for Refrigeration
Systems**

**First Public Review (June 2024)
(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 <https://www.ashrae.org/technical-resources/standards-and-guidelines/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).

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(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 updates both the normative and informative references to ASHRAE Standard 15.2.

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strike through~~ (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 g to Standard 15-2022

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.
[Note to reviewer - Update to the 2024 edition dependent upon publication of ASHRAE 34 on the same cycle with ASHRAE 15.](#)
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~~48~~. 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~~02~~. 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.
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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.
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12. ASME. 202~~04~~. 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~~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 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~~4~~³. ASTM A105, *Standard Specification for Carbon Steel Forgings for Piping Applications*. West Conshohocken, PA: ASTM International.
27. ASTM. 202~~4~~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~~4~~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~~4~~⁴. Code of Federal Regulations, Title 40 CFR 82, *Protection of Stratospheric Ozone*. Washington, DC: U.S. Government Publishing Office.

Modify Section INFORMATIVE APPENDIX C as follows. The remainder of Section 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.

Note to reviewer - Update to the 2024 edition dependent upon publication of ASHRAE 34 on the same cycle with ASHRAE 15.

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.boulder.nist.gov/div838/theory/refprop/Frequently_asked_questions.htm.

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

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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.