BSR/ASHRAE Addendum ab
to ANSI/ASHRAE Standard 15–2024

First Public Review Draft

Proposed Addendum ab to Standard 15-2024, Safety Standard for Refrigeration Systems

First Public Review (June 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 ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

© 2026 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 NW, Peachtree Corners, GA 30092. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 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 addendum allows the use of fittings and connectors listed to ISO 14903 as an alternative to joints and fittings listed to UL 207 in section 9.10 of the standard. The listing standards UL 207 and ISO 14903 provide equivalent coverage when evaluating the construction of joints and fittings. This change correlates Standard 15 with addendum a issued to the 2024 edition of ASHRAE Standard 15.2, which made a similar change in section 8.5.2.1 of that standard.

A second change is to remove CSA C22.2 No.140.3 as an approved listing standard to evaluate joints and fittings. This standard does not adequately evaluate the construction of joints and fittings for their use in field-installed refrigerating systems. ASHRAE Standard 15.2 does not allow the use of CSA C22.2 No. 140.3 as an appropriate listing standard for joints and fittings either.

Note: 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 ab to Standard 15-2024

Modify Section 9 as follows. The remainder of Section 9 remains unchanged.

9. DESIGN AND CONSTRUCTION OF REFRIGERATION EQUIPMENT AND SYSTEMS.

[…]

9.10 Refrigerant Piping, Valves, Fittings, and Related Parts.

[…]

9.10.4 Pipe Fittings. *Refrigerant* pipe fittings *shall be approved* for installation with the *piping* materials to be installed and *shall* demonstrate conformance to one or more of the standards in Table 9–9 or *shall* be *listed* as complying with UL 207[19] or ISO 14903[20].

[…]

9.10.5 Flexible Connectors, Expansion and Vibration Compensators. Flexible connectors and expansion, vibration control devices or other similar components *shall* be *listed* to UL 207[19] or ISO 14903[20] ~~or CSA C22.2 No. 140.3[20]~~ for the specific *refrigerant* of the *refrigeration system* for which the components are installed, and *shall* have design pressure in accordance with Section 9.2.

[…]

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

Public

13. NORMATIVE REFERENCES.

~~20. CSA. 2015 (RA2020). CSA 22.2 No. 140.3:15, Refrigerant-containing components for use in electrical equipment. Toronto, Canada: CSA Group.~~

20. ISO. 2025. ISO 14903:2025 – *Refrigerating systems and heat pumps – Qualification of tightness of components and joints*. Geneva, Switzerland: International Organization for Standardization.

Public