



**BSR/ASHRAE Addendum **h**  
to ANSI/ASHRAE Standard 15.2-2024**

**First Public Review Draft**

# **Proposed Addendum **h** to Standard 15.2-2024, Safety Standard for Refrigeration Systems in Residential Applications**

**First Public Review (March 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 <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](http://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](http://www.ashrae.org).

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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

*UL 60335-2-40 allows multiple refrigerants of the same safety group to be marked on the same nameplate from the factory but there isn't a requirement in ASHRAE 15.2 that the installer must clearly mark which refrigerant is charged after installation. This is critical for calculations of the minimum room area and maximum allowable charge of flammable refrigerants. This is also critical so anyone servicing the equipment knows exactly what refrigerant was charged in the system and for fire safety personnel to know what refrigerant is in a system.*

*UL 60335-2-40 allows systems that may be installed at varying heights to have the minimum room area marked on the appliance after installation in accordance with the manufacturer instructions. We need a requirement in ASHRAE 15.2 for the installer to mark these on the label in accordance with the manufacturer's instructions.*

*The standard has been established using a limitation on the charge size of A2L refrigerant of  $m_2$  as defined in UL/CSA 60335-2-40. This charge size limitation, which equates to 35 lbs or 15.9 kg of R32 refrigerant, has been considered adequate for residential air conditioning systems. With the design of large residences known as mansions, a charge limitation of  $m_2$  may be inadequate for the air conditioning system. UL/CSA 60335-2-40 allows a charge limitation of  $m_3$  for listed units which may be installed inside a residential building. These larger systems with refrigerant charges greater than  $m_2$  are more closely related to commercial systems. The requirements in ASHRAE 15 regulate these larger systems. The standard never intended to restrict the use of larger systems, provided they comply with the safety requirements of ASHRAE 15. This change adds a normative reference to ASHRAE 15 for systems having an A2L refrigerant charge greater than  $m_2$ , and it removes the informative reference.*

**Note:** This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (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 h to Standard 15.2-2024

*Modify Section 5, 9, and 13 as follows.*

**5.1\* Equipment Requirements.** *Refrigeration systems using A2L refrigerants shall be listed and labeled to UL 60335-2-40/CSA-C22.2 No. 60335-2-40 2 or UL 484/CSA C22.2 No. 117.3 Refrigeration systems using A1 refrigerants shall be listed to UL 60335-2-40/CSA-C22.2 No. 60335-2-40, UL 484/CSA C22.2 No. 117, or UL 1995/CSA C22.2 No. 236.4 The equipment shall be installed in accordance with its listing. Leak detection systems shall comply with Section 5.3. The equipment shall be marked with the refrigerant employed in the system on the name plate. Indoor sections and outdoor sections of the same split system shall be marked with the same refrigerant safety group. If more than one refrigerant designation is listed on the nameplate from the manufacturer,*

they shall be of the same refrigerant safety group, and the refrigerant that is charged in the system shall be legibly and permanently marked on the nameplate in accordance with the manufacturer's installation instructions.

[...]

## **5.5 Signs and Identification.**

**5.5.1** Each refrigeration system shall have the following information legibly and permanently indicated on a markable label provided by the equipment manufacturer:

- a. Contact information of the responsible company that installed the refrigeration system
- b. System refrigerant charge in accordance with the manufacturer's installation instructions when not marked by the manufacturer.

**5.5.2** Refrigeration systems using an A2L refrigerant shall be marked with the minimum room area on the indoor unit near the nameplate. When a manufacturer provides a markable label on an indoor unit, the minimum room area shall be permanently marked in accordance with the manufacturer's installation instructions for the system refrigerant charge and if applicable, the minimum installation height. If the manufacturer's installation instructions state the minimum room area is dependent on the installation height, the minimum installation height shall be marked on the indoor unit near the nameplate.

[...]

**9.3\* Flammable A2L Refrigerant Charge Levels for Mitigation.** Charge levels used to determine mitigation requirements for A2L refrigerants are shown in Table 9-1. Refrigeration systems having an A2L refrigerant charge greater than the amount shown in Table 9-1 shall comply with ASHRAE 15<sup>32</sup>.

[...]

## **13. NORMATIVE REFERENCES**

32. ASHRAE. 2024. ANSI/ASHRAE Standard 15, Safety Standard for Refrigeration Systems. Atlanta, GA: ASHRAE.

[...]

## **INFORMATIVE APPENDIX C** **INFORMATIVE REFERENCES**

ASHRAE. 2024. ANSI/ASHRAE Standard 15, Safety Standard for Refrigeration Systems. Atlanta, GA: ASHRAE.