

ADDENDA

ANSI/ASHRAE Addendum w to ANSI/ASHRAE Standard 15-2019

Safety Standard for Refrigeration Systems

Approved by ASHRAE and the American National Standards Institute on August 31, 2022.

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FOREWORD

ANSI/ASHRAE Standard 15-2019 Addendum j revised the definitions of "flammable" and "nonflammable" using the flammability classification class numbers from ANSI/ASHRAE Standard 34, Designation and Safety Classification of Refrigerants. That change creates an inconsistency in the standard, as all other content makes use of the safety group (a combination of both toxicity and flammability classifications) but does not make direct use of the toxicity classification alone nor the flammability classification alone. Section 6 currently explains how refrigerant safety classifications are used within Standard 15 but only describes the use of safety groups and not the individual classifications. Addendum w resolves this inconsistency.

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

Addendum w to Standard 15-2019

Modify Section 6 as shown. The remainder of Section 6 remains unchanged.

6. REFRIGERANT SAFETY CLASSIFICATION

- **6.1** Single Compound Refrigerants. Single compound refrigerants shall be classified into safety groups in accordance with ASHRAE Standard 34. The classifications indicated in the referenced edition of ASHRAE Standard 34 shall be used for refrigerants that have them assigned. Other refrigerants shall be classified in accordance with the criteria in ASHRAE Standard 34; such classifications shall be submitted for approval to the authority having jurisdiction (AHJ).
- **6.2** Blends. Refrigerants blends shall be classified following the worst case of fractionation composition, determined in accordance with ASHRAE Standard 34. For blends assigned only a single safety group in ASHRAE Standard 34, that classification shall be used.
- 6.1 Refrigerants shall be assigned safety classifications in accordance with ASHRAE Standard 34.
- <u>6.2 Refrigerants</u> with a *refrigerant* number designation in the referenced edition of ASHRAE Standard 34 *shall* use the indicated toxicity classification and flammability classification when a safety group classification is assigned by ASHRAE Standard 34.
- **6.3** Refrigerants without a refrigerant number designation or without a safety group classification in the referenced edition of ASHRAE Standard 34 shall be classified in accordance with the criteria in ASHRAE Standard 34, whether as a single-compound refrigerant or a refrigerant blend of two or more compounds. Such safety classifications not assigned by ASHRAE Standard 34 shall be submitted for approval to the AHJ. Compliance with the requirements of this standard is contingent upon use of approved safety classifications when not assigned by the referenced edition of ASHRAE Standard 34.

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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