



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

First Public Review Draft

Proposed Addendum w to Standard 15-2019, Safety Standard for Refrigeration Systems

**First Public Review (June 2022)
(Draft shows Proposed Changes to Current Standard)**

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FOREWORD

Addendum j to ANSI/ASHRAE Standard 15-2019 revised the definitions of “flammable” and “nonflammable” with the flammability classification class numbers from ANSI/ASHRAE Standard 34, Designation and Safety Classification of Refrigerants. That change will create an inconsistency within the next edition of the standard, where previously all other content within the standard made use of the safety group (a combination of both toxicity and flammability classifications) but did not make direct use of the toxicity classification alone nor the flammability classification alone. Section 6 explains how refrigerant safety classifications are used within Standard 15, but currently only describes the use of safety groups and not the individual classifications. The proposed changes resolve this inconsistency.

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 w to Standard 15-2019

Modify Section 6 as follows. 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.
- 6.2 Refrigerants 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 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.