



**BSR/ASHRAE Addendum ab
to ANSI/ASHRAE Standard 34-2022**

Public Review Draft

Proposed Addendum ab to Standard 34-2022, Designation and Safety Classification of Refrigerants

**First Public Review (April 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).

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.

© 2024 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.

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 proposed addendum adds HCC and HCO for unsaturated hydrochloro-olefins.

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 ab to Standard 34-2022

Modify Section 5 as follows. The remainder of Section 5 remains unchanged.

5. DESIGNATION

[...]

5.2.2 Composition Designation Prefixes The identifying number, as determined by Section 4, shall be prefixed by the letter “C” for carbon and preceded by “B,” “C,” “F,” or “I”—or a combination thereof in this sequence—to signify the presence of bromine, chlorine, fluorine, or iodine, respectively. Compounds that also contain hydrogen shall be further preceded by the letter “H” to signify the increased deterioration potential before reaching the stratosphere. The compositional designating prefixes for ether shall substitute an “E” for “C,” such that “HFE,” “HCFE,” and “CFE” refer to hydrofluoroethers, hydrochlorofluoroethers, and chlorofluoroethers, respectively. The composition designating prefixes for halogenated olefins shall be either “CFC,” “HCFC,” “HCC,” or “HFC” to refer to chlorofluorocarbon, hydrochlorofluorocarbon, hydrochlorocarbon or hydrofluorocarbon, respectively, or with substitution of an “O” for the carbon “C” as “CFO,” “HCFO,” “HCO,” or “HFO” to refer to chlorofluoro-olefin, hydrochlorofluoro-olefin, hydrochloro-olefin or hydrofluoro-olefin, respectively.

[...]