



# ADDENDA

**ANSI/ASHRAE Addendum ac to  
ANSI/ASHRAE Standard 34-2022**

# Designation and Safety Classification of Refrigerants

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

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## FOREWORD

*Addendum ac provides clarification on the pressure range for flammability testing by revising Sections B1.1 and B1.9.*

**Note:** In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~striking through~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

### Addendum ac to Standard 34-2022

*Modify Normative Appendix B as shown. The remainder of Normative Appendix B remains unchanged.*

[...]

#### B1.1 Test Conditions

- a. For single-compound refrigerants, flammability tests shall be conducted at 140°F (60°C) and ~~14.7 psia (101.3 kPa)~~ ambient pressure between 14.1 psia (97.3 kPa) and 15.1 psia (104.0 kPa). Testing shall be conducted...
- b. For refrigerant blends, flammability tests shall be conducted on the WCF at 140°F (60°C) and ~~14.7 psia (101.3 kPa)~~ ambient pressure between 14.1 psia (97.3 kPa) and 15.1 psia (104.0 kPa) and also shall be conducted on the WCFF at 140°F (60°C) and ~~14.7 psia (101.3 kPa)~~ ambient pressure between 14.1 psia (97.3 kPa) and 15.1 psia (104.0 kPa). The WCFF shall be determined...
- c. For those refrigerants that show flame propagation in accordance with step (a) or (b), flammability testing shall also be conducted at 73.4°F (23.0°C) and ~~14.7 psia (101.3 kPa)~~ ambient pressure between 14.1 psia (97.3 kPa) and 15.1 psia (104.0 kPa) to determine the LFL. The LFL normally is expressed as...

[...]

#### B1.9 Flammability Test Data Required. [...]

- d. test pressure: 14.1 psia (97.3 kPa) to 15.1 psia (104.0 kPa) ~~±0.1 psi (0.7 kPa)~~;

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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.

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