ADDENDA

ANSI/ASHRAE Addendum i to
ANSI/ASHRAE Standard 15-2022

Safety Standard for Refrigeration Systems

Approved by the ASHRAE Standards Committee on January 20, 2024, and by the American National Standards Institute on February 21, 2024.

This addendum was approved by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. Instructions for how to submit a change can be found on the ASHRAE® website (www.ashrae.org/continuous-maintenance).

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FOREWORD

A continuous maintenance proposal was submitted to address the relative pressures (vacuum) in Sections 9.2.1 (system design pressure) and 9.13.6.1 (leak test during evacuation). Because a refrigeration system would, by necessity, be subjected to subatmospheric pressures during evacuation, this addendum modifies Section 9.2.1.

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

Addendum i to Standard 15-2022

Modify Section 9 as follows. The remainder of Section 9 remains unchanged.

9. DESIGN AND CONSTRUCTION OF EQUIPMENT AND SYSTEMS

[. . .]

9.2 System Design Pressure

[. . .]

~~9.2.1~~

9.2.1*

[. . .]

Refrigerating equipment *shall* be designed for a vacuum of ~~29.0 in. Hg (32°F)~~ 0.00967 psia (66.7 Pa) or lower. *Design pressure* for *lithium bromide absorption systems shall not* be less than gage pressure 5.00 psi (34.5 kPa).

[. . .]

Modify Informative Appendix A as follows. The remainder of Informative Appendix A remains unchanged.

INFORMATIVE APPENDIX A
EXPLANATORY MATERIAL

Sections of the standard with associated explanatory information in this appendix are marked with an asterisk "*" after the section number.

[. . .]

Section 9.2.1

A vacuum of 0.00967 psia (66.7 Pa) is equivalent to an absolute pressure of 500 µm Hg [0°C] liquid column.

[. . .]

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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.

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As an industry leader in research, standards writing, publishing, certification, and continuing education, ASHRAE and its members are dedicated to promoting a healthy and sustainable built environment for all, through strategic partnerships with organizations in the HVAC&R community and across related industries.

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