ADDENDA

**ANSI/ASHRAE Addendum i to**
**ANSI/ASHRAE Standard 15-2024**

# Safety Standard for Refrigeration Systems

Approved by ASHRAE and the American National Standards Institute on June 30, 2026.

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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 ISSN 1041-2336

Approved American National Standard
ANSI
www.ansi.org

## SPECIAL NOTE

This American National Standard (ANS) is a national voluntary consensus Standard developed under the auspices of ASHRAE. *Consensus* is defined by the American National Standards Institute (ANSI), of which ASHRAE is a member and which has approved this Standard as an ANS, as "substantial agreement reached by directly and materially affected interest categories. This signifies the concurrence of more than a simple majority, but not necessarily unanimity. Consensus requires that all views and objections be considered, and that an effort be made toward their resolution." Compliance with this Standard is voluntary until and unless a legal jurisdiction makes compliance mandatory through legislation.

ASHRAE obtains consensus through participation of its national and international members, associated societies, and public review.

ASHRAE Standards are prepared by a Project Committee appointed specifically for the purpose of writing the Standard. The Project Committee Chair and Vice-Chair must be members of ASHRAE; while other committee members may or may not be ASHRAE members, all must be technically qualified in the subject area of the Standard. Every effort is made to balance the concerned interests on all Project Committees.

The Senior Manager of Standards of ASHRAE should be contacted for

a. interpretation of the contents of this Standard,
b. participation in the next review of the Standard,
c. offering constructive criticism for improving the Standard, or
d. permission to reprint portions of the Standard.

**(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

*Addendum i clarifies that the italicized terms in Sections 4 and 5 are defined terms and should be considered as such. A definition of "integral," taken from ASHRAE Standard 15.2, is also added. In response to CMP 15-2024-0005-001, "NRTL" has been added to the list of acronyms used in the standard. Additionally, this addendum clarifies the refrigerating system classifications in Section 5 by completing the list of low-probability systems.*

***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 15-2024

***Modify Section 3 as follows. The remainder of Section 3 remains unchanged.***

## 3. DEFINITIONS

**3.1 General.** In the context of this standard, italicized terms and classifications have meanings as defined in Sections 3, 4, and 5.

**3.2 ~~3.1~~ Defined Terms**

[ . . . ]

***integral*:** as installed by the *manufacturer* or installed in accordance with the *manufacturer's installation instructions.*

[ . . . ]

***ventilated enclosure*:** a type of equipment enclosure that includes an ~~integral~~ *integral* ventilation system that will prevent *refrigerant* leaked inside the equipment enclosure from escaping into the space surrounding the equipment enclosure.

[ . . . ]

**3.3 ~~3.2~~ Acronyms, Abbreviations, and Initialisms**

[ . . . ]

| | |
|---|---|
| *NRTL* | *nationally recognized testing laboratory* |

[ . . . ]

***Modify Section 5.2.2 as follows. The remainder of Section 5.2.2 remains unchanged.***

**5.2.2 Low Probability System.** A *low-probability system* is any *refrigeration system* in which the basic design or the location of components is such that leakage of *refrigerant* from a failed connection, seal, or component cannot enter the *occupied space*. Typical *low-probability systems* are (a*) indirect closed systems* ~~or (b) double *indirect open spray systems* and (c) *indirect open spray systems*~~ and (b) *indirect vented closed systems*, or (c) *indirect open spray systems* and (d) *double indirect open spray systems* if the following condition is met: In a low-probability *indirect open spray system* or a *double indirect open spray system*, the *secondary coolant* pressure shall remain greater than *refrigerant* pressure in all conditions of operation and standby. Operation conditions are defined in Section 9.2.1, and standby conditions are defined in Section 9.2.1.2.

[ . . . ]

***Modify Section 7 as follows. The remainder of Section 7 remains unchanged.***

## 7. RESTRICTIONS OF REFRIGERANT USE

### 7.6 Group A2L Refrigerants for Human Comfort

#### 7.6.2 Listing and Installation Requirements

**7.6.2.3* Manufacturer's Refrigerant Detection System Requirements.** The following *refrigeration systems shall* have an ~~integral~~ *integral refrigerant detection system*:

a. *Ducted HVAC* systems with a *releasable refrigerant charge* ($m_{rel}$) more than 4.0 lb (1.8 kg) and with any *duct* openings less than 5.9 ft (1.8 m) above the finished floor
b. *Ducted HVAC* systems where spaces connected to the same supply *air duct* are used as the dispersal floor area to calculate volume per Section 7.2
c. *Refrigeration systems* installed where the *occupancy* classification is *institutional occupancy*

[ . . . ]

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

## 9. DESIGN AND CONSTRUCTION OF EQUIPMENT AND SYSTEMS

### 9.12 Refrigerant Pipe Installation

#### 9.12.5 Stop Valves

**9.12.5.2 Refrigerating Systems Containing More than 110 1b (50 kg) of Refrigerant.** In addition to *stop valves* required by Section 9.12.5.l, *refrigeration systems* containing more than 110 1b (50 kg) of *refrigerant shall* have *stop valves* installed in the following locations:

a. Each inlet of each *liquid receiver*
b. Each inlet and each outlet of each
c. *condenser* when more than one *condenser* is used in parallel

*Stop valves shall not* be required on the inlet of a receiver in a *condensing unit* or on the inlet of a receiver that is an ~~integral~~ *integral* part of the *condenser* or *refrigeration systems* utilizing *nonpositive displacement compressors*.

[ . . . ]

# 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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Founded in 1894, ASHRAE is a global professional society committed to serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration, and their allied fields.

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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