



ADDENDA

**ANSI/ASHRAE Addendum i to
ANSI/ASHRAE Standard 147-2013**

Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems

Approved by ASHRAE and by the American National Standards Institute on November 18, 2019.

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FOREWORD

Addendum i changes Section 4.3.2, "Vibration," to consistently refer to "endurance limits" rather than "endurance testing," to broaden the scope referring to all tubing rather than only copper tubing and to offer examples of small diameter tubing that is to be constructed with vibration loops.

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

Addendum i to Standard 147-2013

Change Section 4.3.2 as shown.

4.3.2 Vibration. To minimize leakage due to vibration, compressors, compressor mountings, and piping connections shall be evaluated to see that vibration-induced stresses do not exceed material endurance limits. If the equipment is not evaluated for material endurance limits, then all ~~copper~~ tubing that is of an outside diameter of 3/8 in. [9.5mm] or smaller, such as sensing lines to gages or oil lines, (excluding suction and discharge) and ~~is~~ are connected to compressors or assemblies that are not isolated from compressor vibrations shall be constructed with vibration loops to minimize fatigue at connections.

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.

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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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