



ADDENDA

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

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

Approved by ASHRAE on March 26, 2018, and by the American National Standards Institute on March 27, 2018.

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FOREWORD

Addendum a makes changes to Informative Appendix A. These changes better define specific food items that may produce atmospheres that are corrosive to the evaporator coil in the airstream. It also addresses a more broad view of corrosion protection other than adding coatings.

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 a to Standard 147-2013

Revise Section A2.2.1.2 as shown.

A2.2.1.2 Corrosion Protection. Construction materials and methods of design should be selected to preclude emissions of refrigerant as a result of release during normal operation. For known corrosive environments (e.g., a service deli case where ~~food items open containers of foods containing vinegars~~ are being refrigerated, produce prep or cooling rooms where significant amounts of Ethylene can accumulate from ripening produce, or a coastal environment where ~~corrosion is eminent salt in the air can corrode metals~~), the coil must have an adequate tubing thickness or coating or other fin material to ensure adequate life of the heat exchanger ~~should be constructed of materials having an appropriate thickness, coating, and/or corrosion resistance for the application.~~

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.

About ASHRAE

ASHRAE, founded in 1894, is a global society advancing human well-being through sustainable technology for the built environment. The Society and its members focus on building systems, energy efficiency, indoor air quality, refrigeration, and sustainability. Through research, Standards writing, publishing, certification and continuing education, ASHRAE shapes tomorrow's built environment today.

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