BSR/ASHRAE Addendum i
to ANSI/ASHRAE Standard 15.2-2024

First Public Review Draft

Proposed Addendum i to Standard 15.2-2024, Safety Standard for Refrigeration Systems in Residential Applications

First Public Review (February 2026)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

This proposed addendum improves and clarifies several sections. It clarifies the zoning damper opening time on a signal from a leak detector. It harmonizes field piping requirements between ASHRAE 15 and ASHRAE 15.2 along with clarifying how to ensure reused piping is properly protected. The committee sees no reason for 15.2 to be more restrictive on piping location requirements than 15 and removes the restriction on piping inside an air duct or return air plenum while adding the requirement that when in the air stream the piping must be leak free when at elevated temperatures up. The other change is a wording change to be more clear on how to check if piping can be reused

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.

Addendum i to Standard 15.2-2024

Modify Section 5.3.4 as follows. The remainder of Section 5.3.4 remains unchanged.

5.3.4 Mitigation Action Requirements. When a leak detection system provides an output signal, the following mitigation actions shall occur within 15 seconds:

a. Energize the air *circulation* fan(s) of the *equipment* per *manufacturer's installation instructions*.
b. Initiate the opening of ~~Open~~ zoning dampers installed in the *ductwork* connected to the *refrigeration system*.

[…]

Modify Section 8.5.1.1 as follows. The remainder of Section 8.5.1.1 remains unchanged.

8.5.1.1 Pipe Protection. The exterior of the pipe *shall* be protected from corrosion, degradation, galvanic corrosion, and abrasion. *Refrigerant* pipe *shall not* be in contact with building materials that can abrade the pipe. *Refrigerant* pipe *shall* be installed as follows:

[…]

f. *Refrigeran*t Parts in Air *Duct*. All field-installed *refrigerant* containing parts, including joints, of a *refrigeration system* located in an air duct carrying *conditioned air* to and from an occupied *space shall* be constructed to withstand a temperature of 700°F (371°C) without leakage into the airstream.

[…]

Modify Section 8.5.1.2 as follows. The remainder of Section 8.5.1.2 remains unchanged.

8.5.1.2 Prohibited Locations. *Refrigerant piping shall not* be installed in any of the following locations:

[…]

~~f. Inside an air *duct* or return air *plenum*~~

[…]

Modify Section 10.5.4.2 as follows. The remainder of Section 10.5.4.2 remains unchanged.

10.5.4.2 Reused Piping. Reused *piping shall* be exposed for visual inspection and testing prior to being covered or enclosed ~~in compliance with Section 10.5.4.1~~ unless in accordance with all of the following:

a. *Piping shall* be protected in accordance with Section 8.5.1.1. Verification of the presence of shield plates *shall* be accomplished by one of the following methods:

1. Determine the *piping* was previously inspected for shield plates through building inspection records.

2. Use an *approved* tool or visual inspection to verify shield plates are installed.

[…]