

**ERRATA SHEET FOR ANSI/ASHRAE STANDARD 15-2022,
Safety Standard for Refrigeration Systems**

May 30, 2023

The corrections listed in this errata sheet apply to ANSI/ASHRAE Standard 15-2022. The outside back cover marking identifying the first printing is “Product code: 86306 9/22”. **Shaded** items have been added since the previously published errata sheet dated February 16, 2023 was distributed.

(Note: Additions are shown in underline and deletions are shown in ~~striketrough~~.)

Page Erratum

- 7 3.1 Defined Terms.** In Section 3.1 change the definition of *system refrigerant charge* from “ m_c ” to “ m_s ” as shown below.

system refrigerant charge (m_s): the total mass of *refrigerant* in an *independent circuit* of a system, including both factory and field *refrigerant charge*.

- 18 7.6.1.2* Other Refrigeration Systems.** Revise Section 7.6.1.2 as shown below.

7.6.1.2* Other Refrigeration Systems. For any refrigeration system not meeting the requirements of Section 7.6.1.1, the *refrigerant charge* of the largest *independent circuit* of the system (m_s) *shall not* exceed the value from Equation 7-9:

$$EDVC = M_{def} \times F_{LFL} \times F_{occ} \quad (7-9)$$

where

$EDVC$ = *effective dispersal volume charge*, lb (kg) ~~ft³ (m³)~~
[...]

- 20 Table 7-2 Refrigerant Charge Limit (M_{def}), kg (SI).** Revise the middle column (Height = 1.80 m) of the first row (Floor Area = 5 m²) of Table 7-2 as follows:

~~48~~ 1.8

- 21 7.6.4 Mechanical Ventilation.** Revise Section 7.6.4 as shown below, to remove use of italics font.

7.6.4* Mechanical Ventilation. Mechanical ventilation for *refrigerant* safety mitigation *shall* comply with this section. Where a *ventilated enclosure* is provided to control a *refrigerant* leak, the refrigeration system and *ventilated enclosure shall be listed* and installed in accordance with UL 60335-2-40⁵/CSA C22.2 No. 60335-2-40⁶ and *shall not* be required to comply with this section.

a. Mechanical ventilation *shall* be provided that will remove leaked *refrigerant* from the space where *refrigerant* leaking from the refrigeration system is expected to accumulate. The space *shall* be provided with an exhaust or transfer fan. Fans used to exhaust air ~~exhaust air~~ from the space or transfer air to a separate indoor space *shall* comply with Equation 7-10:
[...]

- 27 8.11.9.** In Section 8.11.9 change “Section 8.11.6” to “Section 8.11.8” as shown below.

8.11.9 *Refrigerant detectors* required by Section 8.11.8 ~~8.11.6~~ *shall* meet all of the following conditions:

[...]

- 29 Table 8-3 Calculation Method Equations.** Revise the coefficient in one equation as shown below.

$$Q' = 0.400 \underline{6.67} \times P^{0.62} \quad (\text{SI})$$

- 31 Figure 8-2 Level 2 ventilation rate for Class 2L refrigerants (SI) with (b) detail.** Revise Figure 8-2 detail (b) as follows for five instances of chart labels:

1.9 ~~L/s~~ m³/s, 8.5 kg
1.6 ~~L/s~~ m³/s, 10 kg
1.4 ~~L/s~~ m³/s, 12 kg
1.2 ~~L/s~~ m³/s, 15 kg
0.88 ~~L/s~~ m³/s, 19 kg