ERRATA SHEET FOR
ANSI/ASHRAE STANDARD 41.10-2020,

February 16, 2022

The corrections listed in this errata sheet apply to the first printing of ANSI/ASHRAE Standard 41.10-2020 identified on the outside back cover as “Product code: 86138 6/20”. Shaded items have been added since the previously published errata sheet dated February 21, 2021 was distributed.

<table>
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| 5       | 5.8.1 Steady-State Refrigerant Mass Flow Rate Criteria for Test Points
  (Note: Additions are shown in underline and deletions are shown in strikethrough.) |

[...]

\[ \bar{m}, \text{ as determined by Equation 5-5, represents the steady-state mean refrigerant mass flow rate provided that one of the following criteria is satisfied:} \]

a. Apply Equation 5-6 if \( 2\sigma \geq \bar{m}_L \) where \( \bar{m}_L \) is the specified operating tolerance limit for refrigerant mass flow rate, and if Equation 5-6 is satisfied by not less than 95% of the sampled refrigerant mass flow rates.

\[ |\bar{m}_i - \mu| \leq 2\sigma \quad \text{kg/s (lb/m/h)} \quad (5-6) \]

The horizontal dotted lines, that are located 2\( \sigma \) above and below \( \mu \), are the boundaries of the 95% sampled refrigerant mass flow rate scatter envelope.

b. Apply Equation 5-7 if \( \bar{m}_L \geq 2\sigma \) where \( \bar{m}_L \) is the specified operating tolerance limit for refrigerant mass flow rate, and if Equation 5-7 is satisfied by not less than 95% of the sampled refrigerant mass flow rates.

\[ |\bar{m}_i - \mu| \leq \bar{m}_L \quad \text{kg/s (lb/m/h)} \quad (5-7) \]

The horizontal dashed lines, that are located \( \bar{m}_L \) above and below \( \mu \), are the boundaries of the 95% sampled refrigerant mass flow rate scatter envelope.

[...]

6       Section 5.8.1 Steady-State Refrigerant Mass Flow Rate Criteria for Test Points.
In the first line of Section 5.8.1 item a., change “\( \bar{m}_i \)” to “\( \bar{m}_L \)”.

| 6      | 5.8.1 Steady-State Refrigerant Mass Flow Rate Criteria for Test Points |
5.8.2 Steady-State Refrigerant Mass Flow Rate Criteria for Targeted Set Points

[...]

Published Figure 5-2:
Figure 5-2: Graphical illustration of the method for determining the steady-state refrigerant mass flow rate criteria for targeted set points.

[...]

Upper Operating Tolerance Limit, \( \bar{m}_{SP} + m_t \)

Set Point, \( m_{SP} \)

Lower Operating Tolerance Limit, \( m_{SP} - m_t \)

Test Duration, \( \Delta t \)

Number of Samples, \( N \)

Sample Spacing, \( \Delta t \)

NOTE: \( \Delta t = (N-1)\Delta t \)