ERRATA SHEET FOR
ANSI/ASHRAE STANDARD 41.10-2020,
Standard Method for Refrigerant Mass Flow Measurement Using Flowmeters

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.

Page(s)	Erratum

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~~.)

[...]

$\bar{\dot{m}}$, 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 $2\sigma \geq \dot{m}_L$ where $\dot{m}_L$ 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.

$$|\dot{m}_i - \mu| \leq 2\sigma \qquad \text{kg/s (lb}_m\text{/h)} \qquad (5\text{-}6)$$

The horizontal dotted lines, that are located 2σ above and below μ, are the boundaries of the 95% sampled refrigerant mass flow rate scatter envelope.

b. Apply Equation 5-7 if $\dot{m}_L \geq 2\sigma$ where $\dot{m}_L$ 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.

$$|\dot{m}_i - \mu| \leq \dot{m}_L \qquad \text{kg/s (lb}_m\text{/h)} \qquad (5\text{-}7)$$

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

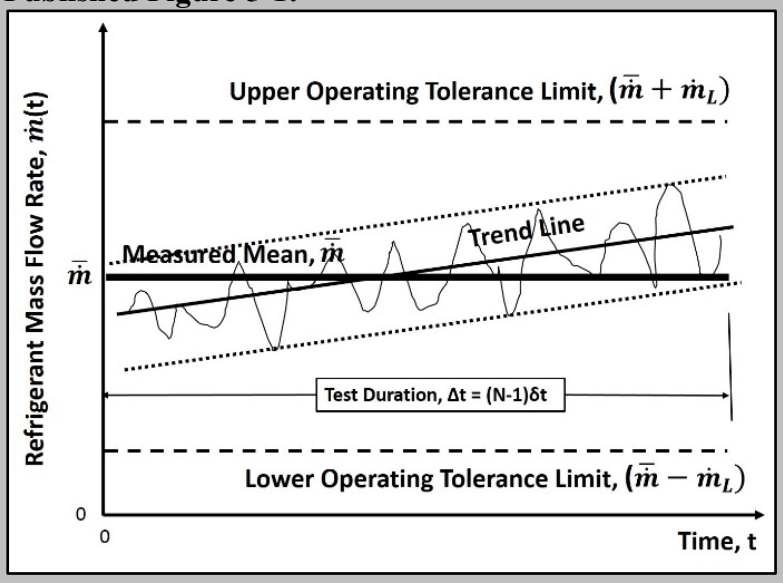
[...]

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 "$\dot{m}_i$" to "$\dot{m}_L$".

6 **5.8.1 Steady-State Refrigerant Mass Flow Rate Criteria for Test Points**

[...]

Published Figure 5-1:



New Figure 5-1:

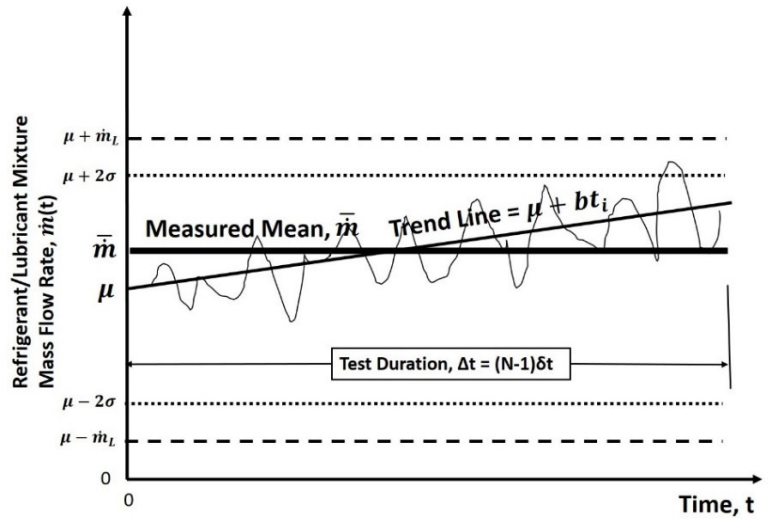


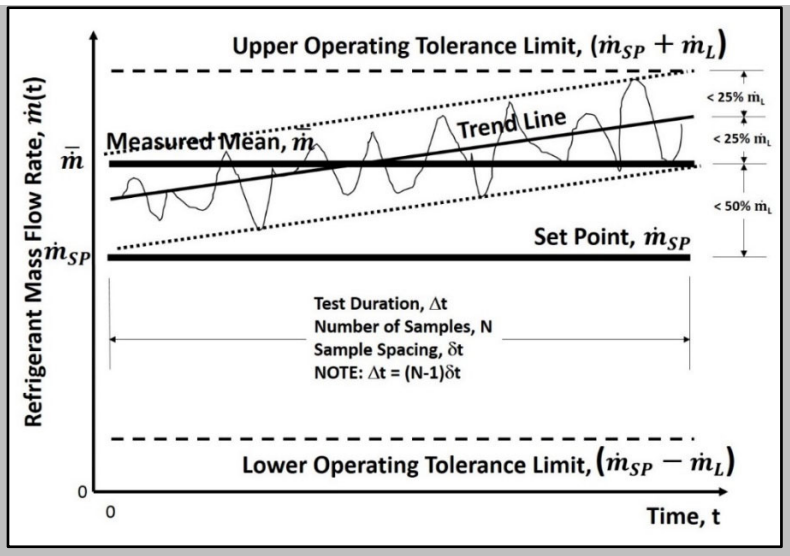
Figure 5-1 Graphical illustration of the method for determining the steady-state refrigerant mass flow rate criteria for test points.

[…]

7 **5.8.2 Steady-State Refrigerant Mass Flow Rate Criteria for Targeted Set Points**

[...]

Published Figure 5-2:



New Figure 5-2:

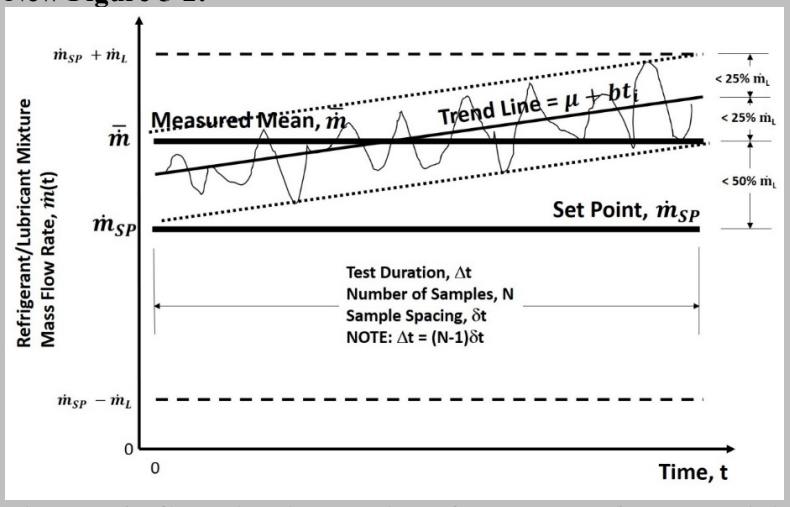


Figure 5-2: Graphical illustration of the method for determining the steady-state refrigerant mass flow rate criteria for targeted set points.

[...]