

**ERRATA SHEET FOR
ANSI/ASHRAE STANDARD 30-2019
Method of Testing Liquid Chillers**

March 9, 2021

The corrections listed in this errata sheet apply to ANSI/ASHRAE Standard 30-2019. The first printing of 30-2019 is identified as “Product Code: 86087 5/19” on the outside back cover. **Shaded** items have been added since the previously published errata sheet dated January 15, 2020 was distributed

Page Erratum

- 8** **5.4.4.2.** In both the equation and the table header, correct the variable symbol for pipe roughness to be the lower-case Greek letter epsilon. Change ϵ to ε as shown below.
(Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)

$$f = \frac{0.25}{\left[\log_{10} \left(\frac{\underline{\varepsilon}}{3.7d} + \frac{5.74}{\text{Re}^{0.9}} \right) \right]^2}$$

Commercial Pipe, New Condition	ε ε (rms)	
	ft	m
Steel	1.8×10^{-4}	5.5×10^{-5}
Plastic	6.0×10^{-6}	1.8×10^{-6}

- 15** **6.3.1.4.1.1.** In the first sentence of Section 6.3.1.4.1.1 change the word “optical” to “optional” as shown below.
(Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)

6.3.1.4.1.1 Units with an optional ~~optical~~-integrated evaporator or condenser liquid pump shall be tested in either of the following two configurations.

- 22** **Table 6-6 Definition of Operating Condition Tolerances and Stability Criteria** (*Continued*). For evaporator or condenser, entering air mean dry-bulb temperature, heating (frosting), change the stability criteria term from “5.6” to “0.56” as shown below.
(Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)

Heating portion: $s_T \leq \underline{0.56} \underline{5.6} \Delta^\circ\text{C}$ [1.00 $\Delta^\circ\text{F}$]