

ERRATA SHEET FOR ASHRAE GUIDELINE 12-2020
Managing the Risk of Legionellosis Associated with Building Water Systems

August 21, 2020

The corrections listed in this errata sheet apply to ASHRAE Guideline 12-2020. The first printing is identified on the outside back cover as “Product code: 86865 4/20”. The shaded items have been added since the previously published errata sheet dated May 15, 2020 was distributed.

Page Erratum

11 Table 1 Steps 1 through 5: Factors and Events Leading to Legionnaires’ Disease.
Replace Table 1 as shown in the attached. Also, move Table 1 so it immediately follows Section 4.2.2.3.

39 9.1.5.1 Portable Impeller Humidifiers.
(Note: Additions are shown in underline.)

9.1.5.1 Portable Impeller Humidifiers. Portable impeller humidifiers (Figure 6) produce [...]

40 Figure 6 Portable impeller humidifier. Add Figure 6 as shown in the attached.

40 10. Indirect Evaporative Air Coolers. Revise Section 10, second paragraph, as shown below.
(Note: Deletions are shown in ~~striketrough~~.)

Indirect evaporative cooling (IEC) provides a cool airstream through the use of a heat exchanger that is cooled by the evaporation of water. IEC evaporatively cools one side of a heat exchanger, which transfers heat to the primary airstream as shown in Figures ~~6~~ and 7. [...]

41 Figure 7 Indirect evaporative air coolers. Add Figure 7 as shown in the attached.

Table 1 Steps 1 through 5: Factors and Events Leading to Legionnaires' Disease				
1	2	3	4	5
<p>Entry (<i>Legionella</i> entering building water systems)</p> <p>Factors</p> <ul style="list-style-type: none"> • Disinfectant residual level in water supply to the building • water supply disruptions 	<p>Growth (A significant increase in the numbers of <i>Legionella</i>)</p> <p>Factors</p> <ul style="list-style-type: none"> • Temperature • Disinfectant residual • System design • Dirt/sediment • Nutrients • Microbial associations 	<p>Transmission (Aerosols from faucets, shower heads, cooling towers, fountains, spa, etc.; aspiration; direct introduction)</p> <p>Factors</p> <ul style="list-style-type: none"> • Temperature • Humidity • Aerosol Production • Distance from Source • Microbial Associations 	<p>Exposure of Susceptible Human Host (Multiply in human host)</p> <p>Factors</p> <ul style="list-style-type: none"> • Ability of bacteria to cause disease • Virulence • Age • Disease • Immunodeficiency 	<p>Legionnaires' Disease</p>

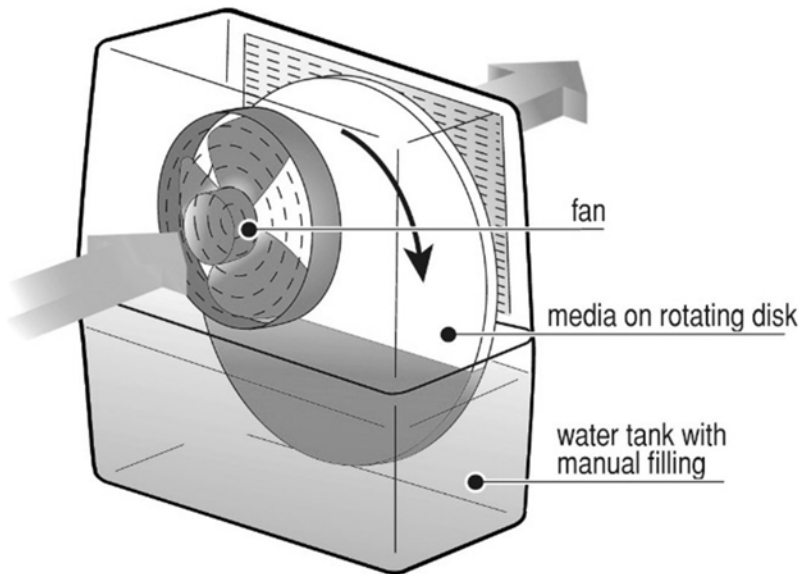


Figure 6 Portable impeller humidifier.

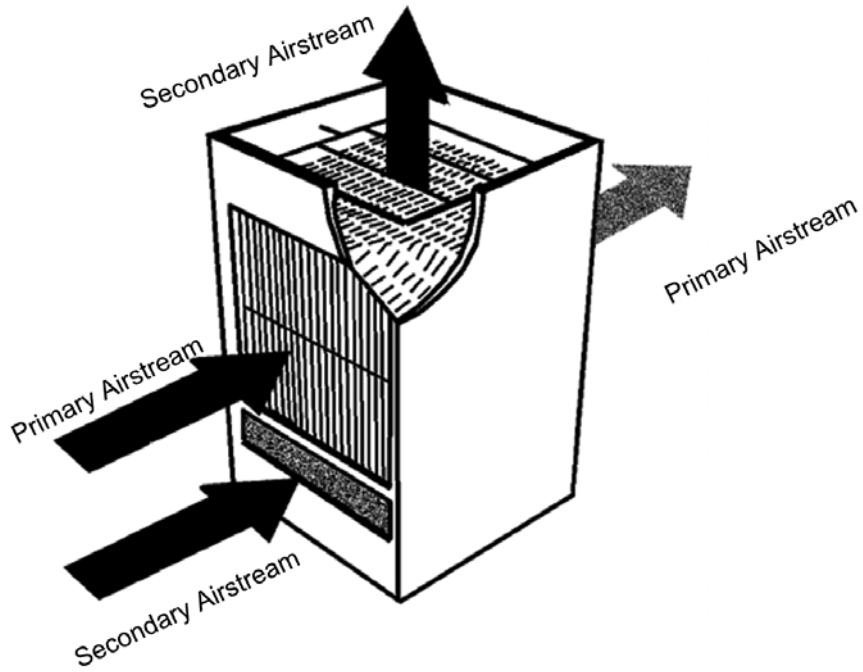
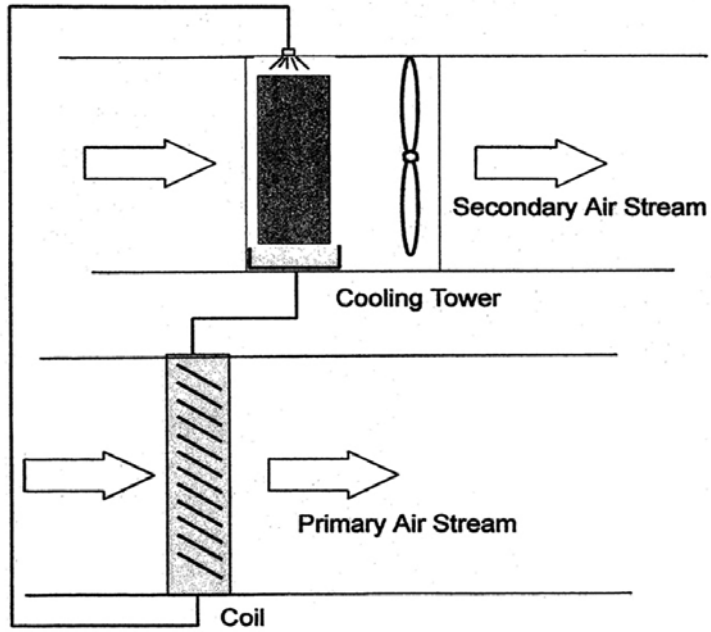


Figure 7 Indirect evaporative air coolers.