



ADDENDA

**ANSI/ASHRAE Addendum d to
ANSI/ASHRAE Standard 188-2018**

Legionellosis: Risk Management for Building Water Systems

Approved by ASHRAE and the American National Standards Institute on September 30, 2020.

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FOREWORD

Addendum d adds a definition of “shall” for use in this mandatory standard. It also includes changes to the commissioning section and to the associated references to remove references to documents that have been noted by the issuing organization (AWWA) not to apply to building water systems. The reference to ASHRAE Guideline 12 has been updated to include the new 2020 version of the guideline.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~strike through~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum d to Standard 188-2020

Add the following definition to Section 3 as shown. The remainder of Section 3 is unchanged.

3. DEFINITIONS

shall: is/are required to, and must.

Modify Section 8 as shown. The remainder of Section 8 is unchanged.

8. REQUIREMENTS FOR DESIGNING BUILDING WATER SYSTEMS

[. . .]

8.4 Commissioning. Instructions for commissioning of all building water systems shall be provided to the building owner or designee. Commissioning shall include the following:

- a. Procedures for flushing and disinfection
 1. Procedures shall ~~meet the requirements of AWWA C651² or AWWA C652³~~ or comply with all applicable national, regional, and local regulations.

Modify Section 9 as shown. The remainder of Section 9 is unchanged.

9. REFERENCES

1. ASME. 2012. ASME/ANSI A112.1.2, *Air Gaps in Plumbing Systems (for Plumbing Fixtures and Water-Connected Receptors)*. New York: The American Society of Mechanical Engineers.
2. ASHRAE. 2020. ASHRAE Guideline 12, *Managing the Risk of Legionellosis Associated with Building Water Systems*. Atlanta, GA: ASHRAE.
- ~~2. AWWA. 2014. AWWA/ANSI C651, *Disinfecting Water Mains*. Denver, CO: American Water Works Association.~~
- ~~3. AWWA. 2011. AWWA/ANSI C652, *Disinfecting of Water Storage Facilities*. Denver, CO: American Water Works Association.~~

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ASHRAE's short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

Through its *Handbook*, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating Standards and Guidelines.

The effects of the design and selection of equipment and systems will be considered within the scope of the system's intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

ASHRAE's primary concern for environmental impact will be at the site where equipment within ASHRAE's scope operates. However, energy source selection and the possible environmental impact due to the energy source and energy transportation will be considered where possible. Recommendations concerning energy source selection should be made by its members.

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