



# ADDENDA

**ANSI/ASHRAE Addendum a to  
ANSI/ASHRAE Standard 188-2015**

# **Legionellosis: Risk Management for Building Water Systems**

Approved by the ASHRAE Standards Committee on June 23, 2017; by the ASHRAE Tech Council on June 28, 2017; and by the American National Standards Institute on June 29, 2017.

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ISSN 1041-2336



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## FOREWORD

*Addendum a revises Section A3, "Water System Flow Diagram" to allow the program team the flexibility to determine what needs to be included in the flow diagram to manage the risk of legionellosis in the building water systems of health care facilities. It also removes the permissive language that was previously in the standard.*

**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 a to Standard 188-2015

*Modify the standard as follows (I-P and SI).*

## NORMATIVE APPENDIX A HEALTH CARE FACILITIES

These requirements are only applicable to health care facilities meeting the qualifications of Section 4.3.2

[ . . . ]

## A3. WATER SYSTEM FLOW DIAGRAM

**A3.1** The building water systems shall be graphically represented in water system flow diagrams ~~that include~~. These diagrams shall enable the identification, analysis, and management of the risk of legionellosis throughout the building water systems. The following is a listing of elements to be considered for inclusion into the flow diagram:

- a. All water supply sources;
- b. All water supply service entrances;
- c. All water treatment systems and control measures, including disinfection and filtration;
- d. All water processing steps, including, but not limited to, receiving, conditioning, storing, heating, cooling, recirculating, and distributing;
- e. All areas where hazardous conditions ~~may have the potential to contribute to the potential for Legionella amplification, including but not limited to the following:~~
  1. All clinical support areas, including dietary and central sterile, ~~and~~
  2. All patient care areas, including dialysis, respiratory therapy, and hydrotherapy;
- f. All water use end points, including the following:
  1. Cooling towers;
  2. Open water features;
  3. Spas and whirlpools;
  4. Ppools;
  5. Ice machines;
  6. Humidifiers;
- g. Other points determined by the *Designated Team*.



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ASHRAE is concerned with the impact of its members' activities on both the indoor and outdoor environment. ASHRAE's members will strive to minimize any possible deleterious effect on the indoor and outdoor environment of the systems and components in their responsibility while maximizing the beneficial effects these systems provide, consistent with accepted Standards and the practical state of the art.

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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