



ADDENDA

**ANSI/ASHRAE Addendum f to
ANSI/ASHRAE Standard 52.2-2012**

Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size

Approved by ASHRAE on February 29, 2016, and by the by the American National Standards Institute on March 1, 2016.

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ISSN 1041-2336



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FOREWORD

The technical committee received a change request stating “The data set and the resulting composite curve are the actual data product of the test method, whereas the MERV classification is merely a shortcut interpretation of the minimum efficiency composite curve. This reinforces this fact and strengthens the committee’s position regarding the importance of actual particle size efficiency rather than a nebulous

quasi-rating classification.” The following changes require that the results of the efficiency calculations be required in the test report.

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 f to Standard 52.2-2012

Make the following changes to Section 11.3 and Figure 11-1d as shown.

11.3 Inclusion of test data in the summary report is ~~optional-~~required. ~~If furnished, it~~The reported data shall consist of all data recorded during the six test runs and shall be formatted similarly to Figure 11-1d.

| Test Data for <input type="checkbox"/> Clean Device <input type="checkbox"/> Loading Stage Number _____ | | | | | |
|---|---|-------------------|-------------------------|---------------------------|--|
| Size Range No. | Geometric Mean of Particle Size Range, μm | Number of Samples | Average Counts Upstream | Average Counts Downstream | Calculated Particle Size Efficiency, percent |
| 1 | 0.35 | _____ | _____ | _____ | |
| 2 | 0.47 | _____ | _____ | _____ | |
| 3 | 0.62 | _____ | _____ | _____ | |
| 4 | 0.84 | _____ | _____ | _____ | |
| 5 | 1.14 | _____ | _____ | _____ | |
| 6 | 1.44 | _____ | _____ | _____ | |
| 7 | 1.88 | _____ | _____ | _____ | |
| 8 | 2.57 | _____ | _____ | _____ | |
| 9 | 3.46 | _____ | _____ | _____ | |
| 10 | 4.69 | _____ | _____ | _____ | |
| 11 | 6.20 | _____ | _____ | _____ | |
| 12 | 8.37 | _____ | _____ | _____ | |

Figure 11-1d Test data report form.

POLICY STATEMENT DEFINING ASHRAE'S CONCERN FOR THE ENVIRONMENTAL IMPACT OF ITS ACTIVITIES

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.

