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# ADDENDA

ANSI/ASHRAE Addendum p to ANSI/ASHRAE Standard 154-2016

# Ventilation for Commercial Cooking Operations

Approved by ASHRAE and the American National Standards Institute on June 30, 2022.

This addendum was approved by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. Instructions for how to submit a change can be found on the ASHRAE<sup>®</sup> website (https://www.ashrae.org/continuous-maintenance).

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# FOREWORD

Addendum p revises the definition of "ventilated ceiling hood," elaborating on its use and adding a supply air option. The addendum also adds a design feature for drawing exhaust air from cooking appliances using a recirculating hood. This design method is allowable per NFPA 96 code and UL 710B.

*Note:* In this addendum, changes to the current standard are indicated in the text by <u>underlining</u> (for additions) and <del>strikethrough</del> (for deletions) unless the instructions specifically mention some other means of indicating the changes.

# Addendum p to Standard 154-2016

## Modify Section 3 as shown.

## [...]

*hood:* a device designed to capture and contain cooking effluent, including grease, smoke, steam, heat, and vapor, until it is exhausted through a duct or recirculating system. Hoods are categorized as Type I or Type II.

*Type I hood:* a hood used for collecting and removing convective heat, grease particulate, condensible vapor, and smoke. This category includes listed grease filters, baffles, or extractors for removing the grease and a fire suppression system. Type I hoods are installed over cooking appliances, such as ranges, fryers, griddles, broilers, and ovens, that produce smoke or grease-laden vapors. For Type I hoods, the following types of hoods are commonly available.

- [...]
- g. *ventilated ceiling hood:* a ventilated ceiling is used to provide large area extraction of steam and vapor and is typically installed so that the bottom edge of the hood is flush with the ceiling height. Supply air can be integrated into the design of a ventilated ceiling hood.
- h. *recirculating hood:* a hood with an integral or non-integral electric cooking appliance to capture and contain cooking effluent, consisting of a fan, air filtering system, and a fire extinguishing system. A recirculating hood may also be configured in a downdraft orientation that draws air away from the cooking appliance downward into a ventilation system (UL 710B, NFPA 96).

# 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.

## ASHRAE · 180 Technology Parkway · Peachtree Corners, GA 30092 · www.ashrae.org

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Founded in 1894, ASHRAE is a global professional society committed to serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration, and their allied fields.

As an industry leader in research, standards writing, publishing, certification, and continuing education, ASHRAE and its members are dedicated to promoting a healthy and sustainable built environment for all, through strategic partnerships with organizations in the HVAC&R community and across related industries.

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