ANSI/ASHRAE Addendum 62*o*
to ANSI/ASHRAE Standard 62-2001

ASHRAE STANDARD

Ventilation for Acceptable Indoor Air Quality

Approved by the ASHRAE Standards Committee June 26, 2002; by the ASHRAE Board of Directors June 27, 2002; and by the American National Standards Institute April 2, 2003.

This standard is under continuous maintenance 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. The change submittal form, instructions, and deadlines may be obtained in electronic form from the ASHRAE web site, *http://www.ashrae.org*, or in paper form from the Manager of Standards. The latest edition of an ASHRAE Standard and printed copies of a public review draft may be purchased from ASHRAE Customer Service, 1791 Tullie Circle, NE, Atlanta, GA 30329-2305. E-mail: *orders@ashrae.org*. Fax: 404-321-5478. Telephone: 404-636-8400 (worldwide), or toll free 1-800-527-4723 (for orders in U.S. and Canada).

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SPECIAL NOTE

This American National Standard (ANS) is a national voluntary consensus standard developed under the auspices of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE). Consensus is defined by the American National Standards Institute (ANSI), of which ASHRAE is a member and which has approved this standard as an ANS, as "substantial agreement reached by directly and materially affected interest categories. This signifies the concurrence of more than a simple majority, but not necessarily unanimity. Consensus requires that all views and objections be considered, and that an effort be made toward their resolution." Compliance with this standard is voluntary until and unless a legal jurisdiction makes compliance mandatory through legislation.

ASHRAE obtains consensus through participation of its national and international members, associated societies, and public review.

ASHRAE Standards are prepared by a Project Committee appointed specifically for the purpose of writing the Standard. The Project Committee Chair and Vice-Chair must be members of ASHRAE; while other committee members may or may not be ASHRAE members, all must be technically qualified in the subject area of the Standard. Every effort is made to balance the concerned interests on all Project Committees.

The Manager of Standards of ASHRAE should be contacted for:

a. interpretation of the contents of this Standard,
b. participation in the next review of the Standard,
c. offering constructive criticism for improving the Standard,
d. permission to reprint portions of the Standard.

(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process.)

FOREWORD

Addendum 62o removes reference to smoking spaces from Table 2 of outdoor air requirements, making it clear that the requirements in the table apply to only no-smoking spaces. It also adds a requirement for additional ventilation and/or air cleaning in spaces where smoking is permitted and prohibits recirculation or transfer of air from smoking to no-smoking areas. In adding the requirement for additional ventilation and/or air cleaning, it is noted that the specific amount of additional ventilation cannot be determined until cognizant health authorities have determined an acceptable level of environmental tobacco smoke (ETS).

Addendum 62o

Modify Table 2 as follows:

TABLE 2
OUTDOOR AIR REQUIREMENTS FOR VENTILATION*
2.1 COMMERCIAL FACILITIES (offices, stores, shops, hotels, sports facilities)

Application	Estimated Maximum** Occupancy P/1000 ft^2 or 100 m^2	Outdoor Air Requirements				Comments
		cfm/ Person	L/s · person	cfm/ft^2	$L/s \cdot m^2$	
Food and Beverage Service						~~Supplementary smoke removal equipment may be required.~~
Bars, cocktail lounges	100	20~~30~~	10~~15~~			
Hotels, Motels, Resorts, Dormitories						
Conference rooms	50	15~~20~~	8~~10~~			
Gambling casinos	120	20~~30~~	10~~15~~			~~Supplementary smoke removal equipment may be required.~~
Offices						
Conference rooms	50	15~~20~~	8~~10~~			
Public Spaces						
~~Smoking lounge~~	~~70~~	~~60~~	~~30~~			~~Normally supplied by transfer air. Local mechanical exhaust with no recirculation recommended~~
Retail Stores, Sales Floors, and Show Room Floors						~~Normally supplied by transfer air, local mechanical exhaust; exhaust with no recirculation recommended~~
~~Smoking lounge~~	~~70~~	~~60~~	~~30~~			
2.2 INSTITUTIONAL FACILITIES						
Education						~~Normally supplied by transfer air. Local mechanical exhaust with no recirculation recommended~~
~~Smoking lounges~~	~~70~~	~~60~~	~~30~~			

Modify the footnote to Table 2 as follows:

* Table 2 prescribes supply rates of acceptable outdoor air required for acceptable indoor air quality. These values have been chosen to dilute human bioeffluents and other contaminants with an adequate margin of safety and to account for health variations among people and varied activity levels. This table applies to no-smoking areas. See Section 6.1.3.5 for ventilation requirements in smoking areas.

Add the following new Section:

6.1.3.5 Ventilation in Smoking Areas. Smoking areas shall have more ventilation and/or air cleaning than comparable no-smoking areas. Specific ventilation rate requirements cannot be determined until cognizant authorities determine the concentration of smoke that achieves an acceptable level of risk. Air from smoking areas shall not be recirculated or transferred to no-smoking areas.

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.