

ADDENDA

**ANSI/ASHRAE/ASHE Addendum o to
ANSI/ASHRAE/ASHE Standard 170-2021**

Ventilation of Health Care Facilities

Approved by ASHRAE and the American National Standards Institute on June 28, 2024, and by the American Society for Health Care Engineering on June 24, 2024.

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FOREWORD

Addendum o adds spaces to Table 7-1 that will help ANSI/ASHRAE/ASHE Standard 170 align with the 2022 FGI Guidelines for Design and Construction. These spaces or their equivalents were already included in Table 8-1. The values inserted into Table 7-1 were drawn directly from Table 8-1.

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

Addendum o to Standard 170-2021

Revise Table 7-1 as shown. The remainder of Table 7-1 is unchanged.

Table 7-1 Design Parameters—Inpatient Spaces (Continued)

Function of Space (ee)	Pressure Relationship to Adjacent Areas (n)	Minimum Outdoor ach	Minimum Total ach	All Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Unoccupied Turndown	Minimum Filter Efficiencies (cc)	Design Relative Humidity (k), %	Design Temperature (l), °F/°C
[...]									
GENERAL SUPPORT FACILITIES: STERILE PROCESSING									
Clean assembly/workroom (FGI 2.1-5.1.2.2[3]) (z)	Positive	2	4	NR	No	No	MERV-8 (gg) MERV-14 (gg)	Max 60	68–73/20–23
Soiled workroom/decontamination room (FGI 2.1-5.1.2.2[2]) (z)	Negative	2	6	Yes	No	No	MERV-8	NR	60–73/16–23
Sterile storage room (clean/sterile medical/ surgical supplies) (FGI 2.1-5.1.2.2[4]) (z)	Positive	2	4	NR	NR	No	MERV-8 (gg) MERV-14 (gg)	Max 60	Max 75/24
One-room sterile processing facility (FGI 2.1-5.1.2.3) (z) (ll)	NR	2	6	NR	No	No	MERV-14 (gg)	NR	NR
Sterilizer equipment room (FGI 2.1-5.1.2.2(1)(b)) (z)	Negative	NR	2	NR	NR	No	MERV-8	NR	NR
Clean/sterile medical/surgical supply receiving (FGI 2.1-5.1.2.4(2)) (z)	NR	NR	4	NR	No	No	MERV-8	NR	NR
[...]									

Revise Normative Notes for Table 7-1 as shown.

[...]

gg. ~~Minimum MERV 14 filters shall be required for spaces where sterile equipment is packed into sterile packages. Spaces where sterile products are stored but not packed shall not be required to have MERV 14 filters.~~ Minimum MERV-14 filters shall be required for spaces where sterile equipment is packed into sterile packages. MERV-8 filters may be used in place of MERV-14 in spaces where sterile products are stored in sealed packaging but are not opened or otherwise handled outside of the sealed package.

[...]

ll. In accordance with FGI 2.1-5.1.2.1, one-room sterile processing facilities are permitted only under certain circumstances.

Revise Table 8-1 as shown. The remainder of Table 8-1 is unchanged.

Table 8-1 Design Parameters—Specialized Outpatient Spaces

Function of Space (f)	Pressure Relationship to Adjacent Areas (n)	Minimum Outdoor ach	Minimum Total ach	All Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Unoccupied Turndown	Minimum Filter Efficiencies ©	Design Relative Humidity (k), %	Design Temperature (l), °F/°C
[. . .]									
STERILE PROCESSING (aa)									
One-room sterile processing (FGI 2.1–4.3.2.3)	NR	2	6	NR	No	No	MERV-14 (ee)	NR	NR
Sterilizer equipment room (FGI 2.1–4.3.2.2) (kk)	Negative	NR	10 2	Yes NR	No NR	No	MERV-8	NR	NR
Clean workroom (FGI 2.1–4.3.2.2.3)	Positive	2	4	NR	No	No	MERV-14 (ee)	Max 60	60–73/16–23
Clean supply storage (FGI 2.1–4.3.2.2.4)	Positive	2	4	NR	NR	No	MERV-14 (ee)	Max 60	72–78/22–26
Supply receiving (FGI 2.1–4.3.2.4) (kk)	Negative NR	NR	10 4	Yes NR	No	No	MERV-8	NR	NR
Decontamination room (FGI 2.1–4.3.2.2)	Negative	2	6	Yes	No	No	MERV-8	NR	60–73/16–23
[. . .]									

Revise Normative Notes for Table 8-1 as shown.

kk.Pressure relationship and room exhaust should be considered carefully by the designer with respect to connected adjacencies and general air movement from clean to dirty.

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