



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

Public Review Draft

**Proposed Addendum o to
Standard 170-2021, Ventilation of
Health Care Facilities**

First Public Review (February 2024)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

Proposed Addendum o adds spaces to Table 7-1 which would help the Standard 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.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum o to 170-2021

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

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

| Function of Space (ee) | Pressure Relations hip 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 below.

- 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 below. 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 below.

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.