

or clinical vacuum systems shall comply with the requirements of NFPA 99: *Health Care Facilities Code*.

### 4.2-6.3 Heating, Ventilation, and Air-Conditioning (HVAC) Systems

#### 4.2-6.3.1 General

##### 4.2-6.3.1.1 Application

- (1) For small and medium-sized assisted living facilities, see ANSI/ASHRAE Standard 62.2: *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings* for basic HVAC system requirements.
- (2) For large assisted living facilities, see ANSI/ASHRAE Standard 62.1: *Ventilation for Acceptable Indoor Air Quality* for basic HVAC system requirements.

**4.2-6.3.1.2 Ventilation and space conditioning.** See Section 2.5-3.1.2 (Ventilation and Space Conditioning) for requirements.

#### 4.2-6.3.2 Mechanical System Design

See Section 2.5-3.2 (Mechanical System Design) for requirements.

#### 4.2-6.3.3 HVAC Requirements for Specific Locations

##### 4.2-6.3.3.1 Reserved

**4.2-6.3.3.2 Fuel-fired equipment rooms.** See Section 2.5-3.3.2 (Fuel-Fired Equipment Rooms) for requirements.

**4.2-6.3.3.3 Areas of refuge.** See Section 2.5-3.3.3 (Areas of Refuge) for requirements.

**4.2-6.3.3.4 Commercial food preparation areas.** See Section 2.5-3.3.4 (Commercial Food Preparation Areas) for requirements.

#### 4.2-6.3.4 Thermal and Acoustic Insulation

See Section 2.5-3.4 (Thermal and Acoustic Insulation) for requirements.

#### 4.2-6.3.5 HVAC Air Distribution

See Section 2.5-3.5 (HVAC Air Distribution) for requirements.

#### 4.2-6.3.6 HVAC Filters

##### 4.2-6.3.6.1 Filter efficiencies

- (1) For centralized recirculated system requirements, see Table 6.4 (Minimum Filter Efficiencies) in Part 6 (ANSI/ASHRAE/ASHE Standard 170: *Ventilation of Health Care Facilities*).
- (2) Non-central air-handling systems shall be equipped with permanent (cleanable) or replaceable filters with a minimum efficiency of MERV 7.

##### 4.2-6.3.6.2 Filter frames

- (1) Filter frames shall be durable and proportioned to provide an airtight fit with the enclosing ductwork.
- (2) All joints between filter segments and the enclosing ductwork shall have gaskets or seals to provide a positive seal against air leakage.

#### 4.2-6.3.7 Heating Systems, Cooling Systems, and Equipment

See Section 2.5-3.7 (Heating Systems, Cooling Systems, and Equipment) for requirements.

### 4.2-6.4 Electrical Systems

#### 4.2-6.4.1 General

See Section 2.5-4.1 (Electrical Systems—General) for requirements.

#### 4.2-6.4.2 Power-Generating and Power-Storing Equipment

##### 4.2-6.4.2.1 Essential electrical service

- \*(1) Applicable standards for care models

## APPENDIX

**A4.2-6.4.2.1 (1)** Care models are defined in appendix section A4.2-1.2.1.2 (1) (Functional program and care models).