

18.3.2.5 Cooking Facilities.

18.3.2.5.1 Cooking facilities shall be protected in accordance with 9.2.3, unless otherwise permitted by 18.3.2.5.2, 18.3.2.5.3, or 18.3.2.5.4.

18.3.2.5.2* Where residential cooking equipment is used for food warming or limited cooking, the equipment shall not be required to be protected in accordance with 9.2.3, and the presence of the equipment shall not require the area to be protected as a hazardous area.

18.3.2.5.3* Within a smoke compartment, where residential or commercial cooking equipment is used to prepare meals for 30 or fewer persons, one cooking facility shall be permitted to be open to the corridor, provided that all of the following conditions are met:

- (1) The portion of the health care facility served by the cooking facility is limited to 30 beds and is separated from other portions of the health care facility by a smoke barrier constructed in accordance with 18.3.7.3, 18.3.7.6, and 18.3.7.8.
- (2) The cooktop or range is equipped with a range hood of a width at least equal to the width of the cooking surface, with grease baffles or other grease-collecting and clean-out capability.
- (3)*The hood systems have a minimum airflow of 500 cfm (14,000 L/min).
- (4) The hood systems that are not ducted to the exterior additionally have a charcoal filter to remove smoke and odor.
- (5) The cooktop or range complies with all of the following:
 - (a) The cooktop or range is protected with a fire suppression system listed in accordance with UL 300, *Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment*, or is tested and meets all requirements of UL 300A, *Extinguishing System Units for Residential Range Top Cooking Surfaces*, in accordance with the applicable testing document's scope.
 - (b) A manual release of the extinguishing system is provided in accordance with NFPA 96, *Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations*, Section 10.5.
 - (c) An interlock is provided to turn off all sources of fuel and electrical power to the cooktop or range when the suppression system is activated.
- (6)*The use of solid fuel for cooking is prohibited.
- (7)*Deep-fat frying is prohibited.
- (8) Portable fire extinguishers in accordance with NFPA 96 are located in all kitchen areas.
- (9)*A switch meeting all of the following is provided:
 - (a) A locked switch, or a switch located in a restricted location, is provided within the cooking facility that deactivates the cooktop or range.
 - (b) The switch is used to deactivate the cooktop or range whenever the kitchen is not under staff supervision.
 - (c) The switch is on a timer, not exceeding a 120-minute capacity, that automatically deactivates the cooktop or range, independent of staff action.
- (10) Procedures for the use, inspection, testing, and maintenance of the cooking equipment are in accordance with Chapter 11 of NFPA 96 and the manufacturer's instructions and are followed.

(11)*Not less than two AC-powered photoelectric smoke alarms, interconnected in accordance with 9.6.2.10.3, equipped with a silence feature, and in accordance with NFPA 72, *National Fire Alarm and Signaling Code*, are located not closer than 20 ft (6.1 m) from the cooktop or range.

(12) No smoke detector is located less than 20 ft (6.1 m) from the cooktop or range.

18.3.2.5.4* Within a smoke compartment, residential or commercial cooking equipment that is used to prepare meals for 30 or fewer persons shall be permitted, provided that the cooking facility complies with all of the following conditions:

- (1) The space containing the cooking equipment is not a sleeping room.
- (2) The space containing the cooking equipment is separated from the corridor by partitions complying with 18.3.6.2 through 18.3.6.5.
- (3) The requirements of 18.3.2.5.3(1) through (10) are met.

18.3.2.5.5* Where cooking facilities are protected in accordance with 9.2.3, the presence of the cooking equipment shall not cause the room or space housing the equipment to be classified as a hazardous area with respect to the requirements of 18.3.2.1, and the room or space shall not be permitted to be open to the corridor.

18.3.2.6* Alcohol-Based Hand-Rub Dispensers. Alcohol-based hand-rub dispensers shall be protected in accordance with 8.7.3.1, unless all of the following conditions are met:

- (1) Where dispensers are installed in a corridor, the corridor shall have a minimum width of 6 ft (1830 mm).
- (2) The maximum individual dispenser fluid capacity shall be as follows:
 - (a) 0.32 gal (1.2 L) for dispensers in rooms, corridors, and areas open to corridors
 - (b) 0.53 gal (2.0 L) for dispensers in suites of rooms
- (3) Where aerosol containers are used, the maximum capacity of the aerosol dispenser shall be 18 oz. (0.51 kg) and shall be limited to Level 1 aerosols as defined in NFPA 30B, *Code for the Manufacture and Storage of Aerosol Products*.
- (4) Dispensers shall be separated from each other by horizontal spacing of not less than 48 in. (1220 mm).
- (5) Not more than an aggregate 10 gal (37.8 L) of alcohol-based hand-rub solution or 1135 oz (32.2 kg) of Level 1 aerosols, or a combination of liquids and Level 1 aerosols not to exceed, in total, the equivalent of 10 gal (37.8 L) or 1135 oz (32.2 kg), shall be in use outside of a storage cabinet in a single smoke compartment, except as otherwise provided in 18.3.2.6(6).
- (6) One dispenser complying with 18.3.2.6(2) or (3) per room and located in that room shall not be included in the aggregated quantity addressed in 18.3.2.6(5).
- (7) Storage of quantities greater than 5 gal (18.9 L) in a single smoke compartment shall meet the requirements of NFPA 30, *Flammable and Combustible Liquids Code*.
- (8) Dispensers shall not be installed in the following locations:
 - (a) Above an ignition source within a 1 in. (25 mm) horizontal distance from each side of the ignition source
 - (b) To the side of an ignition source within a 1 in. (25 mm) horizontal distance from the ignition source
 - (c) Beneath an ignition source within a 1 in. (25 mm) vertical distance from the ignition source
- (9) Dispensers installed directly over carpeted floors shall be permitted only in sprinklered smoke compartments.
- (10) The alcohol-based hand-rub solution shall not exceed 95 percent alcohol content by volume.