



Alcohol-Based Hand-Rub Dispensers (ABHR)

Section 18.3.2.6, 19.3.2.6 ABHRs are protected in accordance with NFPA 30, Flammable and Combustible Liquids Code, 2012 edition, unless all conditions are met:

- Corridor is at least 6 feet wide.
- Maximum individual dispenser capacity is 0.32 gallons (0.53 gallons in suites) of fluid and 18 ounces of Level 1 aerosols.
- Dispensers shall have a minimum of 4-foot horizontal spacing.
- Not more than an aggregate of 10 gallons of fluid or 135 ounces aerosol are used in a single smoke compartment outside a storage cabinet, excluding one individual dispenser per room.
- Storage in a single smoke compartment greater than 5 gallons complies with NFPA 30.
- Dispensers are not installed within 1 inch of an ignition source.
- Dispensers over carpeted floors are in sprinklered smoke compartments.
- ABHR does not exceed 95 percent alcohol.
- Operation of the dispenser shall comply with the following criteria:
 - The dispenser shall not release its contents except when the dispenser is activated, either manually or automatically by touch-free activation.
 - Any activation of the dispenser shall occur only when an object is placed within 4 in. (100 mm) of the sensing device.
 - An object placed within the activation zone and left in place shall not cause more than one activation.
 - The dispenser shall not dispense more solution than the amount required for hand hygiene consistent with label instructions.
 - The dispenser shall be designed, constructed, and operated in a manner that ensures that accidental or malicious activation of the dispensing device is minimized.
 - The dispenser shall be tested in accordance with the manufacturer's care and use instructions each time a new refill is installed.
- ABHR is protected against inappropriate access.

Special consideration should be given to the following:

- Obstructions created by the installation of hand-rub solution dispensers.
- Location of dispensers with regard to adjacent combustible materials and potential sources of ignition, especially where dispensers are mounted on walls of combustible construction.
- Requirements for other fire protection features, including complete automatic sprinkler protection, to be installed throughout the compartment.
- Amount and location of the flammable solutions, both in use and in storage, particularly with respect to potential for leakage or failure of the dispenser.