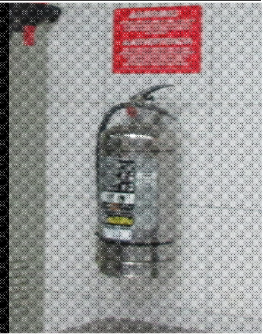


PORTABLE FIRE EXTINGUISHER – CLASS K



Portable Fire Extinguisher is one of the efforts to that given as a first attempt, rapid response to fire, especially at the initial stage. Therefore, fire extinguisher must be available in areas at risk of fire.

Classifications of Fires, such as:

1. **Class A Fires.** Class A fires are fires in ordinary combustible materials, such as wood, cloth, paper, rubber, and many plastics.
2. **Class B Fires.** Class B fires are fires in flammable liquids, combustible liquids, petroleum greases, tars, oils, oil-based paints, solvents, lacquers, alcohols, and flammable gases.
3. **Class C Fires.** Class C fires are fires that involve energized electrical equipment.
4. **Class D Fires.** Class D fires are fires in combustible metals, such as magnesium, titanium, zirconium, sodium, lithium, and potassium.
5. **Class K Fires.** Class K fires are fires in cooking appliances that involve combustible cooking media (vegetable or animal oils and fats).

Class K Cooking Media Fires. Fire extinguishers provided for the protection of cooking appliances that use combustible cooking media (vegetable or animal oils and fats) shall be listed and labeled for Class K fires.

A placard shall be conspicuously placed near the extinguisher that states that the fire protection system shall be activated prior to using the fire extinguisher. Existing dry chemical extinguishers without a Class K listing that were installed for the protection of Class K hazards shall be replaced with an extinguisher having a Class K listing when the dry chemical extinguishers become due for either a 6-year maintenance or hydrostatic test.

Installations for Class K Hazards. Class K fire extinguishers shall be provided for hazards where there is a potential for fires involving combustible cooking media (vegetable or animal oils and fats). Maximum travel distance shall not exceed 30 ft (9.15 m) from the hazard to the extinguishers.

Visual Obstructions. Fire extinguishers shall not be obstructed or obscured from view. Wheeled fire extinguishers shall be located in a designated location.

Installation Height.

- Fire extinguishers having a gross weight not exceeding 40 lb (18.14 kg) shall be installed so that the top of the fire extinguisher is not more than 5 ft (1.53 m) above the floor.
- Fire extinguishers having a gross weight greater than 40 lb (18.14 kg) (except wheeled types) shall be installed so that the top of the fire extinguisher is not more than 3½ ft (1.07 m) above the floor.
- In no case shall the clearance between the bottom of the fire extinguisher and the floor be less than 4 in. (102 mm).

Reference:

NFPA 10, Portable Fire Extinguisher, 2007

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