

# Safety within Reach

with your trusted  
fire safety partner



# YOUR FIRST LINE OF DEFENCE

The widespread use of vegetable oils with low auto-ignition temperatures is the leading cause of **Class F** fires in the kitchen environment. It is critical to understand that Class F fires require a unique extinguishing agent to extinguish cooking media fires.

A kitchen fire extinguisher (Class F) uses a potassium-based wet chemical that provides blanketing and cooling effects when operated on the kitchen fire. The extinguishing agent works by instigating a chemical reaction with fats and oils to produce foam - a process known as saponification. This reaction reduces temperature and eliminates heat, causing the fire to extinguish. Cooling foam forms a layer on the burning material surface that acts as blanket, thereby preventing re-ignition.

Other type of fire extinguisher has pressurized jets that can result in burning oil and fats splashing on other areas, creating an uncontrollable blaze. Wet chemical fire extinguishers have a unique nozzle which allows for application from a safer and further distance. These extinguishers act as a supplement to existing fire suppression system for kitchen hoods in commercial kitchens. Minimax kitchen fire extinguishers has stainless steel cylinder bodies, as hygiene and aesthetics are critical for the kitchen environments.

Minimax Wet Chemical Fire Extinguishers are constructed with the below features to protect against F Class fires in kitchen environments:

- Stainless Steel (SS 304L) body
- Metal skirt at the cylinder base
- Valve with a built-in safety release device
- Non-return valve at the pressure gauge port
- EPDM Hose with Specially designed spray nozzle
- Suitable on class A and F (Vegetable Oil) fires
- Standards: IS 15683:2018, EN3-7 & 8, EN1866, PED

Capacities	Fire Rating	Operating Pressure
2L	5F	12 bars
6L	25F	
9L	75F	



Minimax kitchen fire extinguishers shall be installed in small pantries, commercial and industrial kitchens, restaurants, and hotel where cooking oils are commonly used.

A **GUNNEBO**® BRAND

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