smartsecurity

HOW DOES CO2 FIRE EXTINGUISHER WORKS

A CO2 fire extinguisher is designed to combat fires by removing the oxygen supply that fuels combustion and rapidly cooling the affected area. It contains carbon dioxide (CO2) stored under high pressure in a liquid form. When the extinguisher is activated, the CO2 is released as a cold, high-pressure gas. This gas forms a dense cloud around the fire, effectively displacing oxygen and creating an environment where the fire cannot sustain itself.

The extreme cold of the CO2 also helps to cool the flames and the surrounding surfaces, further aiding in extinguishing the fire. CO2 fire extinguishers are particularly effective for Class B fires involving flammable liquids, such as oil, gasoline, or paint, and electrical fires, as they do not conduct electricity. Additionally, CO2 leaves no residue or damage to equipment, making it ideal for use in settings with sensitive electronics, such as offices, server rooms, or industrial sites.

B

Fire Class

Electrical

PERFORMANCE DATA

Type	MT/3
Fire Rating	21B
Out-diameter	133 mm
Height	440 mm
Powder Weight	3 ± 5%kg
Bursting Pressure	17.5 ～ 22.5MPA
Range of Throw	⩾ 3m
Discharge Time	⩾ 5s
Spray Surplus Rate	⩽ 15
Working Temperature Range	-10℃～55℃