

HOW DOES WATER FIRE EXTINGUISHER WORKS

A water fire extinguisher works by utilizing the cooling effect of water to extinguish fires, making it specifically effective for Class A fires involving solid combustible materials such as wood, paper, textiles, and other organic substances. When activated, pressurized water is released through the nozzle or hose in a steady stream or spray.

The water absorbs heat from the burning material, reducing the temperature below the ignition point and halting the combustion process. It also penetrates porous materials, ensuring deep-seated embers are extinguished to prevent re-ignition. In some cases, water may help displace oxygen slightly by creating steam when applied to high-temperature areas, although its primary action is cooling. Water fire extinguishers are ideal for environments like schools, offices, warehouses, and residential buildings.



Fire Class

PERFORMANCE DATA

Type	6KG
Fire Rating	4A144BC
Out-diameter	160 mm
Height	420 mm
Powder Weight	6 ± 2%kg
Working Pressure	14 Bar
Test Pressure	27 Bar
Range of Throw	≥ 4.5m
Discharge Time	≥ 15s
Working Temperature Range	-20°C~55°C