

CARBON DIOXIDE (CO₂) FIRE EXTINGUISHER

GENERAL

"Protec" Carbon Dioxide (CO₂) fire extinguisher is manufactured in conformity to BS EN 3 Parts 7 to 9 and SS EN3 : Parts 7 - 9 : 2012. It is suitable to be used for fighting Class "B" (flammable liquid) and Class "C" (flammable gas) and electrical energise fires.

The carbon dioxide gas extinguishes the fire by directing the jet of CO₂ gas to the base of the fire, thus covering the air around the fire and reduce the oxygen level at the fire point. This will prevent the fire from spreading further and re-igniting again.

CO₂ fire extinguishers are extensively used in food industry, electronic factories, ships, electrical plants or rooms, offices, etc., It is a clean extinguishant agent and do not leave any residue after it has been discharged.



CONSTRUCTION

The cylinder body is seamless and extruded from high grade carbon manganese steel. All CO₂ cylinders are pressure tested to 250 bars. The internal areas are sand blasted to rid it of rust and the external are spray epoxy/polyester powder coated and oven baked at 180 degree Celsius.

The 2.0Kg capacity is fitted with a swivel discharge built-in nozzle horn and the 5.0Kg capacity and above are fitted with a discharge high pressure hose and horn. The fire extinguisher valve is a high pressure type made of brass material, finished in nickel chrome and incorporates a safety disc inside.

SAFETY

CO₂ can burn the skin if the extinguisher is held incorrectly. The gas can also cause suffocation if it has been discharged in an enclosed room. If this happens, it is advisable to seek medical treatment immediately.

It is recommended that all personnel should be trained in the operation of the portable fire extinguisher for their own safety and to maximise the effectiveness of the extinguishant.

APPROVAL

- LPCB, UK
- SETSCO Singapore

TECHNICAL SPECIFICATIONS

Model	PRO-2-CD	PRO-5-CD	PRO-6.8-CD	PRO-9-CD
Capacity	2.0KG	5.0KG	6.8KG	9.0KG
Extinguisher Agent	Carbon Dioxide Gas (CO ₂)			
Type	Stored Pressure			
Class of Fire	B, C			
Fire Ratings	34B	70B	NA	NA
Working Temperature	-20°C + 60°C			
Working Pressure	70 bar			
Test Pressure	250 bar			
Overall Height	540mm	700mm	760mm	830mm
Diameter	114mm	152mm	152mm	168mm
Empty Weight	6.5 KG	13.5 KG	17.6 KG	20.0 KG
Full Weight	8.5 KG	19.0 KG	24.5 KG	29.0 KG
Min. Discharge Range	2.0m	2.5m	2.5m	2.5m
Min. Discharge Time	9 sec	14 sec	14 sec	16 sec
Cylinder Material	Carbon Manganese Steel			
Extinguisher Valve	High Pressure Brass Extinguisher Valve			
Paint Finish	"Red" Epoxy Paint			
Approval	LPCB, UK & SETSCO SINGAPORE			