

TECHNICAL DATA SHEET



CARBON DI OXIDE (CO₂) FIRE EXTINGUISHER 4.5KG

Carbon Di Oxide Fire Extinguisher Applicable Class of fire - B, C and electrically started fires.

Brief description: These extinguishers come with nominal charge of 4.5 kg ($\pm 2\%$) CO₂, constructed according to the requirements of IS 7285, cylinder bodies are PESO approved and Brass forged discharge Valve confirmed to IS 3224.

1. GENERAL DATA :-

Manufacturer
Trade Mark/Brand
BIS Standard Code
Type

Palladium Safety Solutions Pvt. Ltd.
"PALEX"
IS 15683:2018
Portable Fire Extinguisher High Pressure Type



2. PERFORMANCE DATA :-

Capacity
Fire Rating
Performance requirements

4.5KG
34B (Class "B" – Liquid Fuel)
Min. Effective discharge time : 8 Sec.
(Actual : 13 Sec. Approx.)
Min. Bulk range of discharge : 2 Mtr. **(Actual : 3 Mtr. Approx.)**
Min. Percentage of discharge : 95% **(Actual : 98% Approx.)**
Working Temperature
Service Pressure
Fill Density
(-) 10°C To (+) 60°C
65 - 70 BAR
Not to exceed 0.667

3. MATERIAL OF CONSTRUCTION :-

Body
Extinguishing Media
Valve
Discharge Horn
Discharge Hose
Syphon Tube
Safety Pin
Safety Seal
Wall mounting Bracket with screw

Seamless Manganese steel – ISI Marked confirms to IS:7285
CO₂ Gas (Purity as per IS: 15222-99.5%)
Brass – Wheel Type – IS: 3224
Polyethylene – Non-Conductor of Electricity
Wire braided hose (Length = 1.2mtr)
Aluminium
Aluminium
PVC/PLASTIC
Mild Steel

4. QUALITY TEST :-

Hydro Pressure Test (Pt)	250 BAR (PESO Approved)
Burst Test for Discharge Hose	Not less than 275 bar
Leakage test	Inverted glass jar / Soap solution OR by dipping in water for 2minute no bubbles shall occur
Partial discharge	The second pressure or weight shall not be less than 75% of the first after interruption of the Discharge

5. DIMENSIONS :-

Diameter	145mm $\pm$ 5mm
Height	700mm $\pm$ 10mm
Thickness	Made up from 4mm(Approx) Thick Sheet
Full / Gross Weight of Extinguisher	16 KG $\pm$ 2% (Approx.)

6. Colour Coating & Paints :-

Painted with Durable Enamel paint, PO Red shade No.538 of IS: 5

7. MISCELLEANEOUS :-

Inspection & testing	As per approved QAP
Finish	PO Red as per IS : 5 (Shade 538)
Marking	As per IS 15683:2018
Approvals	BIS (BUREAU OF INDIAN STANDARD)
Maintenance, care and refilling	As per IS 2190

8. PACKING :-

Corrugated Boxes or Suitable Jute Bags

9. IN BOX ACCESSORIES:-

Wall Mounting Bracket	1 Nos
Fire Extinguisher	1 No

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

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