

TECHNICAL DATA SHEET



CARBON DI OXIDE (CO₂) WHEELED FIRE EXTINGUISHER 22.5KG

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

Brief description: These extinguishers come with nominal charge of 22.5 kg (±5%) CO₂, constructed by hot spinning of seamless pipe and brass forged discharge Valve, cylinder bodies are PESO approved.

1. GENERAL DATA :-

Manufacturer	Palladium Safety Solutions Pvt. Ltd.
Trade Mark/Brand	“PALEX”
BIS Standard Code	IS 16018:2012
Type	Wheeled Fire Extinguisher High - Pressure Type



2. PERFORMANCE DATA :-

Capacity	22.5KG
Fire Rating	89B (Class “B” – Liquid Fuel)
Performance requirements	Min. Effective discharge time : 15 Sec. (Actual : 45 Sec. Approx.) Min. Bulk range of discharge : 2 Mtr. (Actual : 6 Mtr. Approx.) Min. Percentage of discharge : 95% (Actual : 98% Approx.)
Working Temperature	(-) 30°C To (+) 55°C
Service Pressure	65 - 70 BAR
Test Pressure	250 Bar

3. MATERIAL OF CONSTRUCTION :-

Body	Seamless Manganese steel – ISI Marked confirms to IS:7285
Extinguishing Media	CO ₂ Gas (Purity as per IS: 15222-99.5%)
Valve	Brass – Wheel Type – IS: 3224
Discharge Horn	Polyethylene – Non-Conductor of Electricity
Discharge Hose	Wire braided hose (Length = 4mtr approx.)
Syphon Tube	Aluminium
Trolley Wheel	Solid Rubber Wheel
Safety Seal	Plastic/PVC
Safety Pin	Aluminium

4. QUALITY TEST :-

Hydro Pressure Test (Pt)	250 BAR
Burst Test for Discharge Horn	Not less than 275 bar
Leakage test	By dipping in water for 2minute no bubbles shall occur

5. DIMENSIONS :-

Diameter	240mm $\pm$ 5mm
Height	1200mm $\pm$ 10mm
Thickness	Made up from 5.5mm(Approx) Thick Sheet
Full / Gross Weight of Extinguisher	80KG $\pm$ 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 16018:2012
Approvals	BIS (BUREAU OF INDIAN STANDARD)
Maintenance, care and refilling	As per IS 16018:2012

8. PACKING :-

Suitable Jute Bags or Corrugated Paper

9. IN BOX ACCESSORIES:-

Fire Extinguisher	1 No
Trolley Wheel	2 Rubber Wheels

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

Email: customercare@palladiumss.com Web: www.palladiumss.com

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