

TECHNICAL DATA SHEET



D-TYPE DRY CHEMICAL POWDER FIRE EXTINGUISHER 4KG

Applicable Class of fire – D-class of fire (Metal Fire).

Brief description: These extinguishers come with nominal charge of 4 kg ($\pm 2\%$) chloride based dry powder. Designed for medium-scale fire risks. Features include a durable MS cylinder body, pressure gauge, wall-mount bracket. Ideal for temperatures from -10°C to $+60^{\circ}\text{C}$.

1. GENERAL DATA :-

Manufacturer	Palladium Safety Solutions Pvt. Ltd.
Trade Mark/Brand	“PALEX”
BIS Standard Code	IS 15683:2018
Type	Portable Fire Extinguisher Stored Pressure Type



2. PERFORMANCE DATA :-

Capacity	4KG
Performance requirements	Min. Effective discharge time : 13 Sec. (Actual : 13 Sec. Approx.) Min. Percentage of discharge : 85% (Actual : 95% Approx.)
Working Temperature	(-) 10°C To (+) 60°C
Service Pressure	15 BAR
Max. Service Pressure	17 BAR
Hydraulic Test Pressure	35 BAR

3. MATERIAL OF CONSTRUCTION :-

Body	MS Sheet (Low Carbon Welded Sheet Having max. of 0.25% C, 0.05% P and 0.05% S (IS 513))
Extinguishing Media	Ternary Eutectic Chloride based dry powder confirming to IS 4308:2019
Neck Ring	MS pipe, Female Threaded (Filling Dia – 29mm)
Valve	Brass – Male Threaded, Squeeze Grip Type
Syphon Tube	PVC / Plastic
Hose Pipe	PVC Braided (450mm $\pm 10\text{mm}$)
Pressure Gauge	As per IS 15683:2018
Discharge Nozzle	PVC
Wall mounting bracket with - Screw	MS Powder coated

4. QUALITY TEST :-

Hydro Pressure Test (Pt)	35 bar (3.5 MPa) Hold for 1 min.
Min. Burst pressure (Pb) for body	55 bar (5.5 MPa) Hold for 1 min.
Leakage test	Inverted glass jar / Soap solution
Partial discharge	The second pressure or weight shall not be less than 75% of the first after interruption of the Discharge

5. DIMENSIONS :-

Diameter	150mm $\pm$ 2mm
Height	400mm $\pm$ 2 mm
Thickness	Made up from 1.2mm Thick Sheet
Full/Gross Weight of Extinguisher	6.5KG $\pm$ 2% (Approx.)

6. ANTI – CORROSION TREATMENT :-

The Extinguisher Undergo a 7-tank Anti-Corrosion Process, Followed by an Epoxy Powder Coating, Which is no Less than 50 Microns in Thickness.

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 :-

Box Type	Corrugated Boxes
Dimension	165mm X 165mm X 420mm

9. IN BOX ACCESSORIES:-

Wall Mounting Bracket	1 Nos
Fire Extinguisher	1 No (Fully Assembled)

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

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