

TECHNICAL DATA SHEET



ABC DRY CHEMICAL POWDER FIRE EXTINGUISHER 1KG

PalEx ABC Dry Powder (Stored Pressure) 1kg Fire Extinguishers applicable on Class A, B, C and electrically started fires.

Brief description: ABC Dry Powder MAP Fire Extinguishers with nominal charge of 1kg ($\pm 5\%$). Constructed of **Stainless Steel 304** made up to **1.2mm**. Approved Fire Rating 1A, 21B with an effective throw of about 2.5meter and discharge about 95%.

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	1KG
Fire Rating	1A, 21B (Class "A" – Solid Fuel. Class "B" – Liquid Fuel)
Performance requirements	Min. Effective discharge time : 8 Sec. (Actual : 9 Sec. Approx.) Min. Bulk range of discharge : 2 Mtr. (Actual : 2 Mtr. Approx.) Min. Percentage of discharge : 85% (Actual : 95% Approx.)
Working Temperature	(-) 10°C To (+) 60°C
Service Pressure	15 BAR
Hydraulic Test Pressure	35 BAR

3. MATERIAL OF CONSTRUCTION :-

Body	Stainless Steel 304
Extinguishing Media	Mono Ammonium Phosphate (50% or 90%) confirming to IS 4308:2019
Neck Ring	Stainless Steel 304
Valve	Brass – Male Threaded, Squeeze Grip Type
Syphon Tube	PVC / Plastic
Pressure Gauge	As per IS 15683:2018
Discharge Nozzle	PVC

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	Max. Diameter : 95mm $\pm$ 10mm
Height	330mm $\pm$ 2mm
Thickness	Made up from 1.2mm Thick Sheet
Full / Gross Weight of Extinguisher	1.9KG $\pm$ 5% (Approx.)

6. Anti – Corrosion Treatment :-

Phosphate Treatment followed by epoxy powder coating of body , DFT not less than 50 micro.

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) & CE
Maintenance, care and refilling	As per IS 2190

8. PACKING :-

Box Type	Corrugated Boxes
Dimension	125mm X 125mm X 380mm

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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