

TECHNICAL DATA SHEET



ABC DRY POWDER MODULAR FIRE EXTINGUISHER 05KG

Applicable Class of fire - A, B, C and electrically started fires.

Brief description: These extinguishers come with nominal charge of 05 kg ($\pm 2\%$) dry powder. Designed for medium-scale fire risks. Constructed of MS Sheet by MIG Welding process and brass forged sprinkler type Valve, Internally & Externally epoxy powder coated.

1. GENERAL DATA :-

Manufacturer	Palladium Safety Solutions Pvt. Ltd.
Trade Mark/Brand	“PALEX”
Type	Ceiling Mounted Automatic Modular



2. PERFORMANCE DATA :-

Capacity	05KG
Performance requirements	Min. Effective discharge time : 7 - 9 Sec. Approx. Height of Mounting : 1.7 – 2 mtr Approx. Area Coverage : 2.5 m ² Approx. Volume Coverage : 7 m ² Approx. Min. Percentage of discharge : 95%
Working Temperature	(-) 30°C To (+) 60°C
Service Pressure	15 BAR
Max. Service Pressure	17 BAR

3. MATERIAL OF CONSTRUCTION :-

Body	Mild Steel Sheet (Low Carbon Welded Sheet Having max. of 0.25% C, 0.05% P and 0.05% S (IS 513))
Extinguishing Media	Mono Ammonium Phosphate (50% or 90%) confirming to IS 4308:2019
Neck Ring	MS pipe, Female Threaded (Filling Dia – 29mm)
Valve	Brass – Male Threaded, Sprinkler type
Sensing Element	Glass Bulb – 68°C
Pressure Gauge	As per IS 15683:2018
Ceiling mounting stand 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	230mm $\pm$ 2mm
Height	180mm $\pm$ 2 mm (Without stand)
Thickness	Made up from 1.2mm Thick Sheet
Full/Gross Weight of Extinguisher	6.9KG $\pm$ 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. MISCELLENEOUS :-

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

8. PACKING :-

Box Type	Corrugated Boxes
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9. IN BOX ACCESSORIES:-

Modular Fire Extinguisher	1 Nos
MS Stand	1 Nos

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

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