

TECHNICAL DATA SHEET



WET CHEMICAL (K CLASS) FIRE EXTINGUISHER 6LTR

Wet Chemical stored pressure 6 ltr. Fire Extinguishers applicable on Class A and K class fires.

Brief description: Lightweight, durable, and compliant with safety standards. Wet chemical type Fire Extinguishers with nominal charge of 9 ltr ($\pm 5\%$ by volume). Constructed of MS Sheet by MIG Welding process and brass forged discharge Valve. Approved Fire Rating 25F with an effective throw of about 4.5meter and discharge about 97%.

1. GENERAL DATA :-

Manufacturer	Palladium Safety Solutions Pvt. Ltd.
Trade Mark/Brand	“PALEX”
Type	Portable Fire Extinguisher Stored Pressure Type



2. PERFORMANCE DATA :-

Capacity	6LTR
Fire Rating	25F, (Class “K” – Kitchen related Fuel.)
Performance requirements	Min. Effective discharge time : 25-28 Sec. Approx. Min. Bulk range of discharge : 4.5 Mtr. Approx. Min. Percentage of discharge : 97% Approx.)
Working Temperature	(+) 5°C To (+) 60°C
Service Pressure	15 BAR
Maximum Service Pressure	17 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	Wet Chemical (6liter)
Neck Ring	MS pipe, (Filling Dia – 29mm)
Valve	Brass, Squeeze Grip Type
Syphon Tube	PVC / Plastic
Hose Pipe	PVC Braided (500mm $\pm$ 10mm)
Pressure Gauge/Indicator	As per IS 15683:2018
Discharge Nozzle	PVC
Wall Mounting Bracket	Powder Coated Mild steel
Safety Pin	Aluminium

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 $\pm$ 10mm
Height	455mm $\pm$ 10 mm
Thickness	Made up from 1.2mm Thick Sheet
Full/Gross Weight of Extinguisher	8.7kg $\pm$ 2% (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
Maintenance, care and refilling	As per IS 2190

8. PACKING :-

Box Type	Corrugated Boxes
Dimension	175mm X 175mm X 520mm

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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