TECHNICAL DATA SHEET

PalEx® DEVICES Since 2011

PALEX LION-X FIRE EXTINGUISHER 6KG

These extinguishers come with nominal charge of 6 kg (±2%), A lightweight and portable extinguisher with suitable chemical composition. It features a durable MS body, pressure gauge, and wall-mount bracket. Ideal for temperatures from +5°C to +60°C.
Water Emulsion Gel is a multi-purpose firefighting agent which is ideal for Class A fire. It is the only agent proven to extinguish lithium-ion batteries, without reignition. It is non-corrosive, non-toxic, non-hazardous, and fully biodegradable.

1. GENERAL DATA :-

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

2. PERFORMANCE DATA :-

Capacity	6KG
Fire Rating	2A, (Class "A" – Solid Fuel.)
Performance requirements	Min. Effective discharge time : 8 Sec. **(Actual : 20 Sec. Approx.)** Min. Bulk range of discharge : 2 Mtr. **(Actual : 2.5 Mtr. Approx.)** Min. Percentage of discharge : 85% **(Actual : 96% Approx.)**
Working Temperature	(+) 5°C To (+) 60°C
Service Pressure	15 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)
Extinguishing Media	Water Emulsion Gel Encapsulator Agent
Neck Ring	MS pipe, Female Threaded (Filling Dia – 29mm)
Valve	Brass – Male Threaded, Squeeze Grip Type
Hose Pipe	PVC Braided
Syphon Tube	PVC / Plastic
Pressure Gauge	As per IS 15683:2018
Discharge Nozzle	Brass

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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 ± 2mm
Height	455mm ± 2mm
Thickness	Made up from 1.2mm Thick Sheet
Full / Gross Weight of Extinguisher	8.9KG ± 5% (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	Batch No./Serial No./MFG. Year
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

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