TECHNICAL DATA SHEET

PalEx DEVICES
Since 2011

WATER MIST FIRE EXTINGUISHER 6LTR

WATER MIST 6 Ltr Fire Extinguishers applicable on Class A, B, kitchen Fire and electrically operated fires.
Brief description: Lightweight, durable, and compliant with safety standards. Water Mist type Fire Extinguishers with nominal charge of 6 ltr (±5% by volume). Constructed of S.S body and brass forged discharge Valve.

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	6LTR
Fire Rating	2A, 55B, 75F (Class "A" – Solid Fuel, Class "B" – Liquid Fuel, Class "F" – Fatty Oil and Eatable Oil.)
Performance requirements	Min. Effective discharge time : 13 Sec. **(Actual : 55 Sec. Approx.)** Min. Bulk range of discharge : 2 Mtr. **(Actual : 3.5 Mtr. Approx.)** Min. Percentage of discharge : 95% **(Actual : 97% Approx.)**
Working Temperature	(+) 5°C To (+) 60°C
Service Pressure	15 BAR
Maximum Service Pressure	17 BAR

3. MATERIAL OF CONSTRUCTION :-

Body	S.S 304 (Made up of 1.2 mm)
Extinguishing Media	Distilled Water + 6% Foam to 4PPM
Neck Ring	SS 304 Pipe, (Filling Dia – 29mm)
Valve	Brass, Squeeze Grip Type
Syphon Tube	Aluminium
Strainer	Plastic
Hose Pipe	PVC Braided (500mm ±10mm)
Pressure Guage/Indicator	As per IS 15683:2018
Discharge Nozzle	Brass (Mist Type)

PALEX

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	145mm ± 2mm
Height	455mm ± 2 mm
Thickness	Made up from 1.5mm Thick Sheet
Full/Gross Weight of Extinguisher	8.8KG ± 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
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	175mm X 175mm X 520mm

9. IN BOX ACCESSORIES:-

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

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