

TECHNICAL DATA SHEET



WATER (STORED PRESSURE) FIRE EXTINGUISHER 9LTR

PALEX Water (Stored Pressure) 9 ltr. Fire Extinguishers with S.S. Body applicable on Class A fires.

Brief description: WATER type Fire Extinguishers with nominal charge of 9 ltr (+/-5% By volume). Constructed of S.S. 304. 2A with an effective throw of about 6 meters (Min. 2 m.) and discharge about 97% (Min. 90%).

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	9LTR
Fire Rating	2A, (Class “A” – Solid Fuel.)
Performance requirements	Min. Effective discharge time : 13 Sec. (Actual : 25 Sec. Approx.) Min. Bulk range of discharge : 2 Mtr. (Actual : 6 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 1.5 mm thickness)
Extinguishing Media	Distilled Water (9liter)
Neck Ring	S.S. 304 (Filling Dia – 29mm)
Valve	Brass, Squeeze Grip Type
Syphon Tube	Plastic
Strainer	Plastic
Hose Pipe	Rubber Braided EPDM Hose (Length:560mm)
Pressure Guage/Indicator	As per IS 15683:2018
Discharge Nozzle	PVC
Wall mounting Bracket with screw	Mild steel (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	175mm $\pm$ 2mm
Height	550mm $\pm$ 2 mm
Thickness	Made up from 1.5mm Thick Sheet
Full/Gross Weight of Extinguisher	12.8KG $\pm$ 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. 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)
Maintenance, care and refilling	As per IS 2190

8. PACKING :-

Box Type	Corrugated Boxes
Dimension	190mm X 190mm X 600mm

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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