

TECHNICAL DATA SHEET



MECHANICAL FOAM WHEELED FIRE EXTINGUISHER 50LTR

Mechanical Foam 50 ltr Fire Extinguishers applicable on Class A & B fires.

Brief description: Mechanical Foam type Trolley Mounted Fire Extinguishers with nominal charge of 50ltr, constructed of MS Sheet by MIG welding process and brass forged cap.

1. GENERAL DATA :-

Manufacturer	Palladium Safety Solutions Pvt. Ltd.
Trade Mark/Brand	“PALEX”
BIS Standard Code	IS 16018:2012
Type	Wheeled Fire Extinguisher CO2 Internal Cartridge Type



2. PERFORMANCE DATA :-

Capacity	50LTR
Fire Rating	20A, 233 B (Class “A” – Solid Fuel. Class “B” – Liquid Fuel)
Performance requirements	Min. Effective discharge time : 13 Sec. (Actual : 75 Sec. Approx.) Min. Bulk range of discharge : 6 Mtr. (Actual : 7 Mtr. Approx.) Min. Percentage of discharge : 95% (Actual : 97% Approx.)
Working Temperature	(+) 5°C To (+) 55°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	Distilled Water + AFFF Foam (IS 4989:2018)
Neck Ring	MS pipe, (Filling Dia – 74mm)
Cap	Brass
Syphon Tube	MS pipe
Co2 Gas Cartridge	300gm CO2 Internal Gas Cartridge
Hose Pipe	Rubber Braided (4mtr) with Foam Making Nozzle
Carrying Handle	Powder Coated MS pipe
Trolley Wheel	Solid Rubber
Discharge Nozzle	PVC/PLASTIC

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.
Burst Pressure Test For- -Discharge Hose	Not less than 50kgf/cm ²

5. DIMENSIONS :-

Diameter	300mm ± 2mm
Height	810mm ± 2 mm (Without Wheel)
Thickness	Made up from 3mm Thick Sheet
Full/Gross Weight of Extinguisher	80KG ± 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 16018:2012
Approvals	BIS (BUREAU OF INDIAN STANDARD)
Maintenance, care and refilling	As per IS 16018:2012

8. PACKING :-

Corrugated paper or Suitable Jute Bags

9. IN BOX ACCESSORIES:-

Fire Extinguisher	1 No (Fully Assembled)
Rubber Wheel	2 Nos Rubber Wheels
Gas Cartridge	300gm CO2 Gas Cartridge

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

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