

TECHNICAL DATA SHEET



WATER TYPE WHEELED FIRE EXTINGUISHER 45LTR

PALEX Water Type 45ltr Fire Extinguishers applicable on Class A fires.

Brief description: Water type Trolley Mounted Fire Extinguishers with nominal charge of 45ltr, 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 Outer Cartridge Type

2. PERFORMANCE DATA :-

Capacity	45LTR
Fire Rating	20A, (Class “A” – Solid Fuel.)
Performance requirements	Min. Effective discharge time : 13 Sec. (Actual : 80 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
Neck Ring	MS pipe, (Filling Dia – 74mm)
Cap	Brass
Syphon Tube	MS pipe
Co2 Gas Cartridge	2kg CO2 Outer Gas Cartridge
Hose Pipe	Rubber Braided (Length = 4mtr)
Carrying Handle	Powder Coated MS pipe
Safety Seal	PVC Plastic
Safety Pin	Aluminium
Trolley Wheel	Solid Rubber

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	2kg CO2 Gas Cartridge (Mounted)

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

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