

TECHNICAL DATA SHEET



WATER MIST 45 LTR TROLLEY MOUNTED FIRE EXTINGUISHER

PALEX WATER MIST 45ltr Trolley Mounted Fire Extinguisher Applicable Classes of fire - A, B, C & Electrically started fires

Brief description: These extinguishers come with nominal charge of 45 Ltr (+5%) DM water and 6% AFFF agent. Body constructed of SS Sheet & Aluminium discharge cap. It comes with air cylinder of 6Ltr capacity with 300 bar pressure. Externally Epoxy powder coated.



1. GENERAL DATA :-

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

2. PERFORMANCE DATA :-

Capacity	45ltr
Fire Rating	20A, 233B (Class “A” – Solid Fuel, Class “B” – Liquid Fuel)
Performance requirements	Min. Effective discharge time : 30 Sec. (Actual : 130 Sec. Approx.) Min. Bulk range of discharge : 6 Mtr. (Actual : 8 Mtr. Approx.) Min. Percentage of discharge : 90% (+) 05°C To (+) 55°C
Working Temperature	(+) 05°C To (+) 55°C
Electrical test	Testes & passed for electrical conductivity test in NABL approved lab for 36KV from 1 Mtr distance
Service pressure	14-16 bar (Dynamic)

3. MATERIAL OF CONSTRUCTION :-

Body	Stainless Steel 304 ((Made up of 3.5 mm thickness
Extinguishing Media	Water + 6% AFFF agent (IS:4989 compiled)
Neck Ring	S.S 304 (Filling dia – 74mm)
Air cylinder	6Ltr x 300 bar - M18 x 2 - PESO approved
Pressure reducer	To reduce pressure of 300 bar Air cylinder
Discharge hose with nozzle	Rubber braided EPDM hose of 4 M (Burst pressure $\geq$ 55 bar) with mist nozzle
Syphon Tube (Outlet)	MS pipe
Trolley Wheel	Solid Rubber Wheel
Mobile trolley	MS pipe

4. QUALITY TEST :-

Hydro Pressure Test (Pt)	35 BAR
Burst Pressure Test (Pb)	55 BAR
Burst Pressure Test For - -Discharge Hose	Not less than 55kgf/cm ²

5. DIMENSIONS :-

Diameter	300mm ± 10mm
Height	810mm ± 10mm (Without wheel)
Thickness	Made up from 3.5mm Thick Sheet
Full / Gross Weight of Extinguisher	90KG – 95kg (Approx.)

6. SURFACE TREATMENT:-

Epoxy powder coating of body DFT not less than 50 Micron.

7. MISCELLENEOUS :-

Inspection & testing	As per approved QAP
Finish	PO Red as per IS : 5 (Shade 538)
Marking	As per IS 16018:2012
Approvals	CE
Maintenance, care and refilling	As per IS 2190:2010

8. PACKING :-

Corrugated Paper Or Suitable Jute Bags

9. IN BOX ACCESSORIES:-

Fire Extinguisher	1 No
Wheel Assembly	4 Wheels

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

Email: customercare@palladiumss.com Web: www.palladiumss.com

DELHI I GURUGRAM I CHENNAI