

TECHNICAL DATA SHEET



CLEAN AGENT FIRE EXTINGUISHER 4KG

Clean Agent Type Fire Extinguisher Applicable Class of fire - A, B, C and electrically started fires.

Brief description: PALEX Clean Agent Fire Extinguishers filled with FK5-1-12 gas, which is totally Electrically non conductive and colourless. Extinguisher with nominal charge of 4 kg ($\pm 5\%$) constructed of MS Sheet by MIG Welding process 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	4KG
Fire Rating	1A, 34B (Class "A" – Solid Fuel, Class "B" – Liquid Fuel)
Performance requirements	Min. Effective discharge time : 8 Sec. (Actual : 18 Sec. Approx.) Min. Bulk range of discharge : 2 Mtr. (Actual : 4.5 Mtr. Approx.) Min. Percentage of discharge : 85% (Actual : 97% Approx.)
Working Temperature	(-) 30°C To (+) 60°C
Service Pressure	15 BAR
Maximum Service Pressure	17 BAR

3. MATERIAL OF CONSTRUCTION :-

Body	Mild Steel Sheet having Max. of 0.25% C, 0.05% P and 0.05% S
Extinguishing Media	FK5-1-12 Clean Agent Gas
Neck Ring	M.S Pipe (Filling dia – 29mm)
Valve	Brass
Discharge Hose	Rubber Braided EPDM Hose (Length:450mm)
Discharge Nozzle	PVC
Syphon Tube	PVC / Plastic
Pressure Gauge	As per IS 15683:2018
Wall mounting Bracket	Mild Steel Powder Coated

4. QUALITY TEST :-

Hydro Pressure Test (Pt)	35 BAR
Burst Pressure Test (Pb)	55 BAR
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	146mm $\pm$ 2mm
Height	400mm $\pm$ 2mm
Thickness	Made up from 1.2mm Thick Sheet
Full / Gross Weight of Extinguisher	6.1KG $\pm$ 2% (Approx.)

6. ANTI – CORROSION TEST :-

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 15683:2018
Approvals	BIS (BUREAU OF INDIAN STANDARD)
Maintenance, care and refilling	As per IS 2190

8. PACKING :-

Box Type	Corrugated Boxes
Dimension	162mm X 162mm X 475mm

9. IN BOX ACCESSORIES:-

Wall Mounting Bracket	1 Nos
Fire Extinguisher	1 No

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

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

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