

TECHNICAL DATA SHEET



CLEAN AGENT FIRE EXTINGUISHER 6KG

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 6kg ($\pm 5\%$) constructed of MS Sheet by MIG Welding process and brass forged discharge Valve.

1. GENERAL DATA :-

Manufacturer
Trade Mark/Brand
BIS Standard Code
Type

Palladium Safety Solutions Pvt. Ltd.
"PALEX"
IS 15683:2018
Portable Fire Extinguisher Stored Pressure
Type



2. PERFORMANCE DATA :-

Capacity
Fire Rating
Performance requirements

6KG
2A, 55B (Class "A" – Solid Fuel, Class "B" – Liquid Fuel)
Min. Effective discharge time : 13 Sec. (**Actual : 24 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
Extinguishing Media
Neck Ring
Valve
Discharge Hose
Discharge Nozzle
Syphon Tube
Pressure Gauge
Wall mounting Bracket

Mild Steel Sheet having Max. of 0.25% C, 0.05% P and 0.05% S
FK5-1-12 Clean Agent Gas
M.S Pipe (Filling dia – 29mm)
Brass
Rubber Braided EPDM Hose (Length:450mm)
PVC
PVC / Plastic
As per IS 15683:2018
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	455mm $\pm$ 2mm
Thickness	Made up from 1.2mm Thick Sheet
Full / Gross Weight of Extinguisher	8.3KG $\pm$ 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	175mm X 175mm X 512mm

9. IN BOX ACCESSORIES:-

Wall Mounting Bracket	1 Nos
Fire Extinguisher	1 No

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

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