

TECHNICAL DATA SHEET



BC TYPE DRY CHEMICAL POWDER (OUTER CARTRIDGE) WHEELED FIRE EXTINGUISHER 50KG

PALEX BC 50KG CO2 Outer Cartridge Trolley Mounted Fire Extinguisher Applicable Class of fire - B, C and electrically started fires.

Brief description: PALEX Brand BC Dry Powder Trolley Mounted Fire Extinguishers with nominal charge of 50kg and CO2 gas cylinder of 2kg as per IS 7285. 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 16018:2012
Model No.	PSS-BCTFE-50
Type	Wheeled Fire Extinguisher CO2 Outer Cartridge Type

2. PERFORMANCE DATA :-

Capacity	50KG
Fire Rating	233B (Class “B” – Liquid Fuel)
Performance requirements	Min. Effective discharge time : 30 Sec. (Actual : 75 Sec. Approx.) Min. Bulk range of discharge : 6 Mtr. (Actual : 7 Mtr. Approx.) Min. Percentage of discharge : 85% (Actual : 92% Approx.) (-) 30°C To (+) 55°C
Working Temperature	
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	Sodium/ Potassium Bi Carbonate (IS 4308:2019)
Neck Ring	M.S Pipe (Filling dia – 74mm)
Cap	Brass
Discharge Hose	Rubber Braided EPDM Hose (Length:4mtr)
Discharge Nozzle	Brass
Syphon Tube (Inlet/Outlet)	MS pipe
Gas Cartridge	Co2 2kg Outer Gas Cartridge
Trolley Wheel	Solid Rubber Wheel
Carrying Handle	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 50kgf/cm ²

5. DIMENSIONS :-

Diameter	300mm ± 2mm
Height	810mm ± 2mm (Without wheel)
Thickness	Made up from 3mm Thick Sheet
Full / Gross Weight of Extinguisher	84KG – 86kg (Approx.)

6. ANTI – CORROSIONN 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 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
Wheel Assembly	2 Wheels
Gas Cartridge	1 Nos (Mounted)

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

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