

ABC DRY POWDER MAP-50% CARTRIDGE PRESSURE 4 KG FIRE EXTINGUISHER

Applicable Class of fire - A, B, C and electrically started fires.

Brief description: These extinguishers come with nominal charge of 4 kg ($\pm 2\%$) dry powder & CO₂ gas cartridge of 120 grams as per IS:4947. Body is constructed of MS Sheet by MIG Welding process and brass forged discharge Valve, Internally & Externally epoxy powder coated.



Client :

PO Number :

1. GENERAL DATA

Manufacturer	: Kanadia Fyr Fyter Pvt. Ltd.
Trade Mark	: "KANEX"
BIS standard code	: IS 15683:2018
Type	: Portable Cartridge Operated

2. MATERIAL OF CONSTRUCTION

Extinguishing medium	: Mono Ammonium Phosphate (MAP-50%) dry powder (IS 4308:2019)
Body	: Mild Steel Sheet having Max. of 0.25% C, 0.05% P and 0.05% S (IS 513)
Neck Ring	: MS Pipe - M74x2.0 Male threaded
Valve	: Brass - M74x2.0 Female threaded
CO ₂ gas cartridge	: 120 gram constructed as per IS:4947
Inlet siphon tube	: Aluminum / Brass
Outlet siphon tube	: PVC / Aluminum / Brass
Discharge hose with nozzle	: Rubber braided EPDM hose with PVC nozzle (Burst pressure ≥ 55 bar)
Wall mounting bracket with screw	: MS Powder coated

3. PERFORMANCE DATA

Fire rating	: 3A : 89B
Performance requirements	: Min. Effective discharge time : 13 Sec. (Actual : 18 Sec. Approx.) : Min. Bulk range of discharge : 2 Mtr. (Actual : 3 Mtr. Approx.) : Min. Percentage of discharge : 85% (Actual : 94% Approx.)
Temperature Range	: -30° to +60° C
Service pressure	: 15 bar
Max. service pressure	: 18 bar

4. ROUTINE TESTS

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.
Leakage test	: By dipping into water for cartridges only
Partial discharge	: The second pressure or weight shall not be less than 75% of the first after interruption of the Discharge

5. TYPE TESTS

: As per IS 15683:2018

6. DIMENSIONS

	: Diameter : 140 $\pm$ 5 mm
	: Height : 510 mm Approx.
Thickness of sheet	: Made up from 2.0mm thick sheet
Full weight of extinguisher	: 7.8kg (Approx.)

7. ANTI-CORROSIVE TREATMENT

: Phosphate treatment followed by epoxy powder coating of body DFT not less than 50 Micron

8. MISCELLEANEOUS

Inspection & testing	: As per approved QAP
Finish	: PO Red as per IS : 5 (Shade 538)
Marking	: As per IS 15683:2018
Approvals	: BIS
Maintenance, care and refilling	: As per IS 2190

9. IN BOX ACCESSORIES

: Wall mounting bracket with screw

10. PACKING

: Corrugated boxes (Outer box sizes: 360x170x545mm)

