

**BC DRY POWDER MONNEX CARTRIDGE PRESSURE 4 KG FIRE EXTINGUISHER**

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

**Brief description:** These extinguishers come with nominal charge of 2 kg (±2%) dry powder & CO<sub>2</sub> 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	: MONNEX Dry powder (BC type)
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 <sub>2</sub> 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	: 183B
Performance requirements	: <b>Min. Effective discharge time</b> : 15 Sec. ( Actual : 16 Sec. Approx.) <b>Min. Bulk range of discharge</b> : 2 Mtr. ( Actual : 5 Mtr. Approx.) <b>Min. Percentage of discharge</b> : 85% ( Actual : 92% 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**

	: <b>Diameter</b> : 140 ± 5 mm
	: <b>Height</b> : 510 mm Approx.
Thickness of sheet	: Made up from 2.0mm thick sheet
Full weight of extinguisher	: 5.8kg (Approx.)

**7. ANTI-CORROSIVE TREATMENT**

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

**8. MISCELLENEOUS**

Inspection & testing	: As per approved QAP
Finish	: PO Red as per IS : 5 (Shade 538)
Marking	: As per IS 15683:2018
Approvals	: BIS & CE
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)

