

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. MISCELLENEOUS

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)

MARKING : AS PER IS 15683:2018

APPROVAL : BIS - ISI MARKED

DESIGN DATA

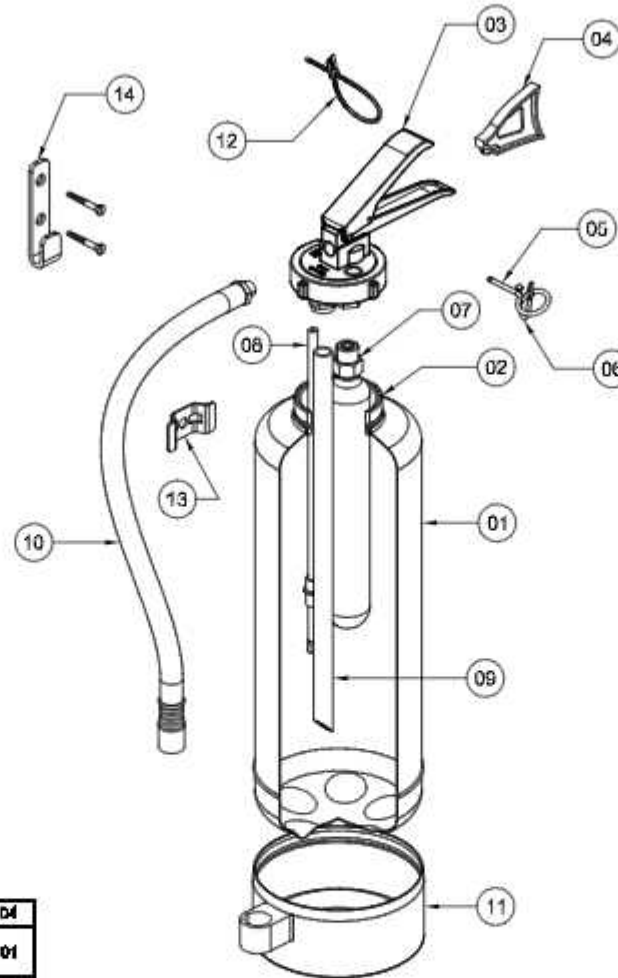
SR. NO.	PARTICULARS	DESCRIPTION
01	CAPACITY	4 KG $\pm$ 2%
02	TEMPERATURE RANGE	-30°C TO +60°C
03	SERVICE PRESSURE	15 bar
04	MAX. SERVICE PRESSURE	18 bar
05	PRESSURE TEST (PT)	35 bar HOLD FOR 1 min.
06	MIN. BURST PRESSURE TEST (PB)	55 bar HOLD FOR 1 min.

PERFORMANCE PARAMETERS

01	EFFECTIVE DISCHARGE TIME	MIN. 13 SEC. (Actual : 16 sec. aprx.)
02	BULK RANGE OF DISCHARGE	MIN. 2 METER (Actual : 3 meter aprx.)
03	PERCENTAGE OF DISCHARGE	NOT LESS THAN 85% (Actual : 94% aprx.)
04	FIRE RATING	3A-89B

HARD PUNCH MARKING:

KANEX YEAR PT 35 BAR T -30°C/+60°C X XXXXXX 4 KG
SERIAL NO.



MODEL NO. : KFDRQ-4-50%



10	EXTINGUISHING MEDIUM	MAP-50% POWDER CONFORMS TO IS 4308:2018	04
14	WALL MOUNTING BRACKET WITH SCREW	MS POWDER COATED	01
13	T-CLIP	MS	01
12	SEAL	PP PLASTIC	01
11	BASE	HDPE	01
10	HOSE WITH NOZZLE	RUBBER BRAIDED EPDM HOSE WITH PVC NOZZLE (BURST PRESSURE $\geq$ 55 bar)	01
09	OUTLET SIPHON TUBE	ALUMINIUM	01
08	INLET SIPHON TUBE	PVC / PLASTIC	01
07	CO2 GAS CARTRIDGE	120 GRAM AS PER IS-4047	01
06	SAFETY PIN HOLDER	RUBBER / SOFT PVC	01
05	SAFETY PIN	SS	01
04	LEVER LOCK	PP PLASTIC	01
03	VALVE	BRASS - M74 X 2 FEMALE THREADED	01
02	NECK RING	MS PIPE - M74 X 2 MALE THREADED	01
01	BODY	MS SHEET HAVING MAX. C=0.25%, P=0.07%, S=0.05% (CONFORMS TO IS 513)	01
ITEM NO.	DESCRIPTION	MATERIAL	QTY.

				DATE	NAME
				DRAWN	12/06/19 MEHUL
				CHECK.	
				APPO.	
SYMBOL	REVISION DESCRIPTION	DATE	BY		
	TITLE : ABC DRY POWDER MAP-50% (CARTRIDGE PRESSURE) 4 KG FIRE EXTINGUISHER				
	GAD NO. : KFFPL/GAD/KFDRQ-4-50%				
	 KANADIA FYR FYTER PVT. LTD. (AN ISO 9001:2015 CERTIFIED COMPANY) 7-8 PARAS INDUSTRIAL ESTATE, NEAR GARIBSHAH PIR, SIHOR(366240), GUJ. SCALE : NTS SHEET : 1 OF 1				