

ABC DRY POWDER MAP-50% STORED PRESSURE 1 KG FIRE EXTINGUISHER

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

Brief description: These extinguishers come with nominal charge of 1 kg ($\pm 2\%$) dry powder, 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 Stored Pressure

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 - M30x1.5 Female threaded
Valve	: Brass - M30x1.5 Male threaded
Siphon tube	: PVC / Plastic
Pressure gauge / indicator	: As per IS 15683:2018
Discharge nozzle	: PVC
Wall mounting bracket with screw	: MS Powder coated

3. PERFORMANCE DATA

Fire rating	: 1A : 21B
Performance requirements	: Min. Effective discharge time : 8 Sec. (Actual : 9 Sec. Approx.) Min. Bulk range of discharge : 2 Mtr. (Actual : 2 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	: 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. TYPE TESTS

: As per IS 15683:2018

6. DIMENSIONS

	: Diameter : 86 $\pm$ 5 mm
	: Height : 325 mm Approx.
Thickness of sheet	: Made up from 1.8mm thick sheet
Full weight of extinguisher	: 2.2kg (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

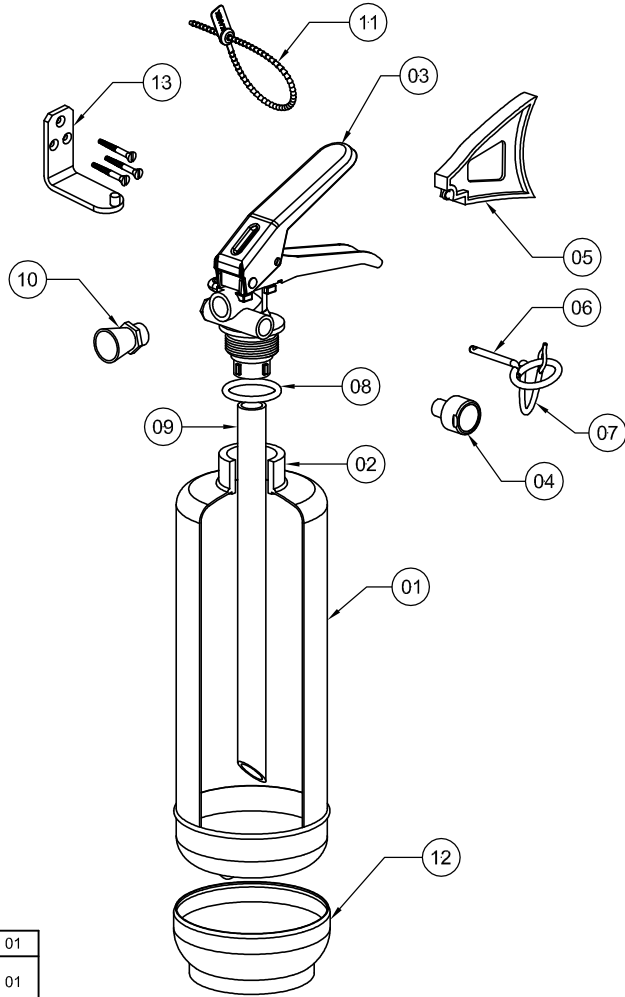
: Wall mounting bracket with screw

10. PACKING

: Corrugated boxes (Outer box sizes: 255x255x420mm)

MARKING : AS PER IS 15683:2018		
APPROVAL : BIS - ISI  MARKED		
DESIGN DATA		
SR. NO.	PARTICULARS	DESCRIPTION
01	CAPACITY	1 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. 8 SEC. (Actual : 9 sec. aprx.)
02	BULK RANGE OF DISCHARGE	MIN. 2 METER (Actual : 2 meter aprx.)
03	PERCENTAGE OF DISCHARGE	NOT LESS THAN 85% (Actual : 94% aprx.)
04	FIRE RATING	1A:21B
HARD PUNCH MARKING:		
KANEX YEAR PT 35 BAR T -30°C/+60°C X XXXXXX 1 KG SERIAL NO.		

14	EXTINGUISHING MEDIUM	MAP 50% POWDER CONFIRMS TO IS 4308:2019	01
13	WALL MOUNTING BRACKET WITH SCREW	MS POWDER COATED	01
12	BASE	HDPE	01
11	SEAL	PP PLASTIC	01
10	DISCHARGE NOZZLE	PVC	01
09	SIPHON TUBE	PVC / PLASTIC	01
08	"O" RING	NITRILE RUBBER	01
07	SAFETY PIN HOLDER	RUBBER / SOFT PVC	01
06	SAFETY PIN	SS	01
05	LEVER LOCK	PP PLASTIC	01
04	PRESSURE GAUGE / INDICATOR	AS PER IS 15683:2018	01
03	VALVE	BRASS - M30 X 1.5 MALE THREADED	01
02	NECK RING	MS PIPE - M30 X 1.5 FEMALE THREADED	01
01	BODY	MS SHEET HAVING MAX. C=0.25%, P=0.05%, S=0.05% (CONFIRMS TO IS:513)	01
ITEM NO.	DESCRIPTION	MATERIAL	QTY.



MODEL NO. : KFARQ-1-50%



				DATE	NAME
				DRAWN	12/06/19 MEHUL
				CHECK.	
				APPD.	
SYMBOL	REVISION	DESCRIPTION	DATE	BY	
TITLE : ABC DRY POWDER MAP-50% (STORED PRESSURE) 1 KG FIRE EXTINGUISHER					
GAD NO. : KFFPL/GAD/KFARQ-1-50%					
 KANADIA FYR FYTER PVT. LTD. (AN ISO 9001:2015 CERTIFIED COMPANY) 7-8 PARAS INDUSTRIAL ESTATE, NEAR GARIBSHAH PIR, SIHOR(364240), GUJ.					
SCALE : NTS					SHEET : 1 OF 1