

D-TYPE METAL FIRE STORED PRESSURE 4 KG FIRE EXTINGUISHER

Applicable Class of fire - D-class of fire (Metal fire)

Brief description: These extinguishers come with nominal charge of 4 kg ($\pm 2\%$) Chloride based 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	: ---
Type	: Portable Stored Pressure

2. MATERIAL OF CONSTRUCTION

Extinguishing medium	: Ternary Eutectic Chloride (TEC) based dry powder
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 hose	: Rubber braided EPDM hose with PVC nozzle (Burst pressure ≥ 55 bar)
Discharge applicator	: Aluminum alloy 6063:T6
Wall mounting bracket with screw	: MS Powder coated

3. PERFORMANCE DATA

Performance requirements	: Min. Effective discharge time : 13 Sec. (Actual : 25 Sec. Approx.) Min. Percentage of discharge : 85%
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 : 140 $\pm$ 5 mm
	: Height : 490 mm Approx.
Thickness of sheet	: Made up from 2.0mm thick sheet
Full weight of extinguisher	: 7.1kg (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	: ---
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 : ---

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.

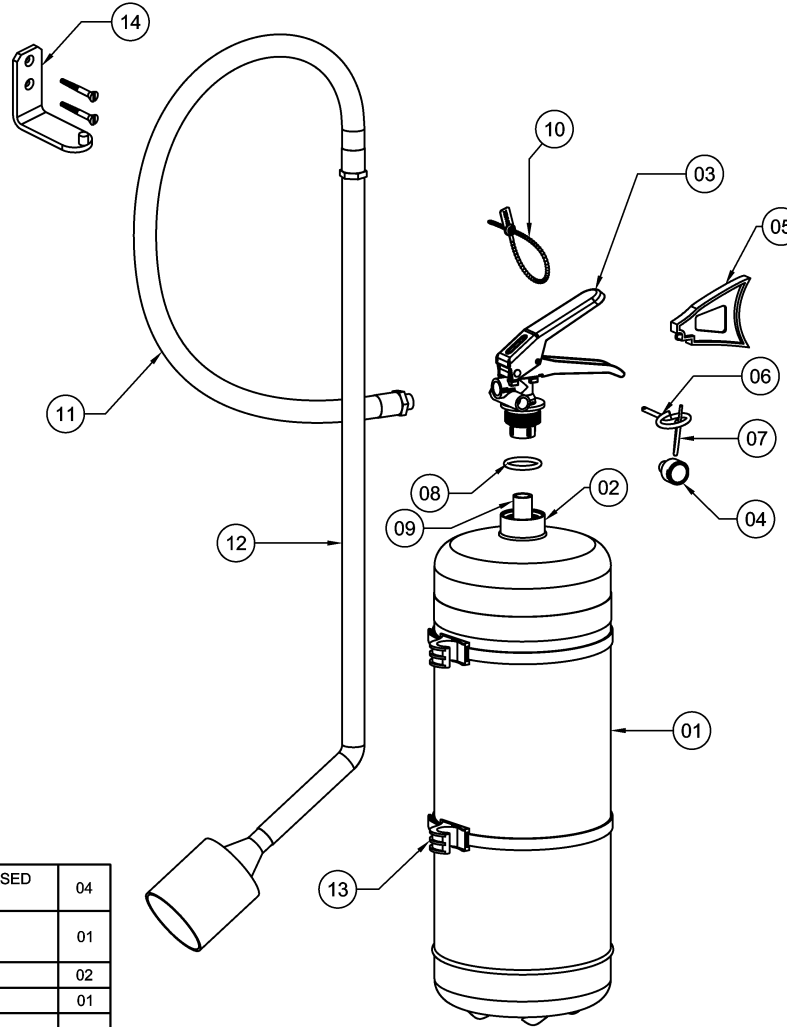
PERFORMANCE PARAMETERS

01	EFFECTIVE DISCHARGE TIME	MIN. 13 SEC. (Actual : 25 sec. aprx.)
02	BULK RANGE OF DISCHARGE	NOT APPLICABLE
03	PERCENTAGE OF DISCHARGE	NOT LESS THAN 85%

HARD PUNCH MARKING:

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

15	EXTINGUISHING MEDIUM	TERNARY EUTECTIC CHLORIDE (TEC) BASED DRY POWDER	04
14	WALL MOUNTING BRACKET WITH SCREW	MS POWDER COATED	01
13	BELT	POLY PROPYLENE	02
12	DISCHARGE APPLICATOR	ALUMINUM ALLOY 6063:T6	01
11	DISCHARGE HOSE	RUBBER BRAIDED EPDM HOSE (BURST PRESSURE $\geq$ 55 bar)	01
10	SEAL	PP PLASTIC	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. : KFDMSRQ-4



					DATE	NAME
					DRAWN	01/08/19 MEHUL
					CHECK.	
					APPD.	
SYMBOL	REVISION DESCRIPTION			DATE	BY	 KANEX[®] KANADIA FYR FYTER PVT. LTD. (AN ISO 9001:2015 CERTIFIED COMPANY) 7-8 PARAS INDUSTRIAL ESTATE, NEAR GARIBSHAH PIR, SIHOR(364240), GUJ.
TITLE : D-TYPE METAL FIRE (STORED PRESSURE) 4 KG FIRE EXTINGUISHER						
GAD NO. : KFFPL/GAD/KFDMSRQ-4						
SCALE : NTS SHEET : 1 OF 1						