

WATER STORED PRESSURE 6 LTR FIRE EXTINGUISHER

Applicable Class of fire - A (Solid fire)

Brief description: These extinguishers come with nominal charge of 6 Ltr (+5%) DM water. Body constructed of MS Sheet by MIG Welding process and brass forged discharge Valve, Internally plastic coated & 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	: De Mineralized water
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 (Burst pressure $\geq$ 55 bar)
Discharge nozzle	: Aluminum
Wall mounting bracket with screw	: MS Powder coated

3. PERFORMANCE DATA

Fire rating	: 2A (Factory tested)
Performance requirements	: Min. Effective discharge time : 13 Sec. (Actual : 22 Sec. Approx.) : Min. Bulk range of discharge : 2 Mtr. (Actual : 5 Mtr. Approx.) : Min. Percentage of discharge : 95% (Actual : 96% Approx.)
Temperature Range	: +5° 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 : 150 $\pm$ 5 mm
	: Height : 530 mm Approx.
Thickness of sheet	: Made up from 2.0mm thick sheet
Full weight of extinguisher	: 9.6kg (Approx.)

7. ANTI-CORROSIVE TREATMENT

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

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: 360x170x570mm)

MARKING : AS PER IS 15683:2018

APPROVAL : BIS - ISI MARKED

DESIGN DATA

SR. NO.	PARTICULARS	DESCRIPTION
01.	CAPACITY	6 LTR + 5%
02	TEMPERATURE RANGE	+5°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.

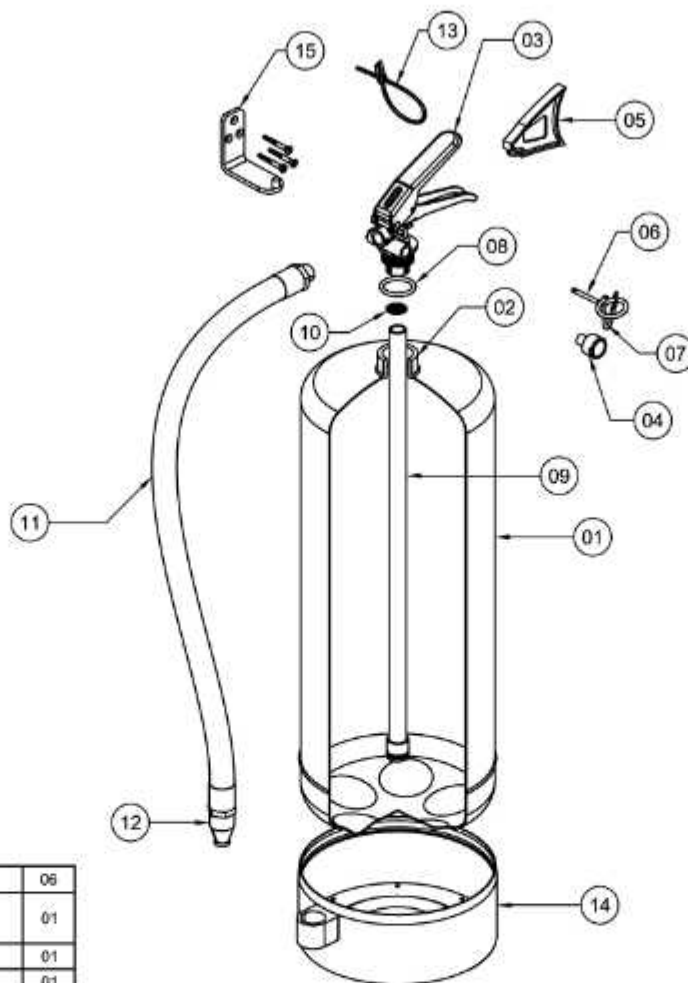
PERFORMANCE PARAMETERS

01	EFFECTIVE DISCHARGE TIME	MIN. 13 SEC. (Actual : 22 sec. aprox.)
02	BULK RANGE OF DISCHARGE	MIN. 2 METER (Actual : 5 meter aprox.)
03	PERCENTAGE OF DISCHARGE	NOT LESS THAN 95% (Actual : 96% aprox.)
04	FIRE RATING	2A (FACTORY TESTED)

HARD PUNCH MARKING:

KANEX YEAR PT 35 BAR T +5°C/+60°C X XXXXXX 6 LTR
 SERIAL NO.

16	EXTINGUISHING MEDIUM	DISTILLED WATER	06
15	WALL MOUNTING BRACKET WITH SCREW	MS POWDER COATED	01
14	BASE	HDPE	01
13	SEAL	PP PLASTIC	01
12	DISCHARGE NOZZLE	ALUMINUM	01
11	DISCHARGE HOSE	RUBBER BRAIDED EPDM HOSE (BURST PRESSURE ≥ 55 bar)	01
10	STRAINER	SS	01
09	SIPHON TUBE WITH FILTER	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.



						DATE	NAME
						DRAWN	12/06/19 MEHUL
						CHECK	
						APPROV	
SYMBOL	REVISION DESCRIPTION	DATE	BY				
TITLE : WATER (STORED PRESSURE) 6 LTR FIRE EXTINGUISHER				 KKNEX® KANADIA FYR FYTER PVT. LTD (AN ISO 9001:2015 CERTIFIED COMPANY) 7-8 PARAS INDUSTRIAL ESTATE, NEAR GARIBSHAH PIR, SIHOR(364240), GUJ.			
		GAD NO. : KFFPL/GAD/KFWSRQ-6		SCALE : NTS SHEET : 1 OF 1			