KANEX®

TECHNICAL DATASHEET

Doc. No. : KFFPL/GTP/KFWMSHQ-2
MODEL NUMBER : **KFWMSHQ-2**

WATER MIST STORED PRESSURE 2 LTR FIRE EXTINGUISHER

Applicable Class of fire - A, B, C, F & Electrically started fire.

Brief description: These extinguishers come with nominal charge of 2 Ltr (+5%) DM water & AFFF agent. Body constructed of MS Sheet by MIG Welding process and brass forged discharge Valve with SS lever, 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 + AFFF agent
	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
	Breathing & Discharge siphon tube	: PVC / Plastic
	Filter with rotor	: PVC / Plastic
	Pressure gauge / indicator	: As per IS 15683:2018
	Discharge hose	: Rubber braided hose (Burst pressure ≥ 55 bar)
	Discharge nozzle	: PP Plastic
	Wall mounting bracket with screw	: MS - Zinc plated
3.	**PERFORMANCE DATA**	
	Fire rating	: 1A : 34B : 5F
	Performance requirements	: **Min. Effective discharge time :** 8 Sec. (Actual : 15 Sec. Approx.) **Min. Bulk range of discharge :** 2 Mtr. (Actual : 3 Mtr. Approx.) **Min. Percentage of discharge :** 95% (Actual : 97% 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 :** 130 ± 5 mm : **Height :** 390 mm Approx.
	Thickness of sheet	: Made up from 2.0mm thick sheet
	Full weight of extinguisher	: 4.24 kg (Approx.)
7.	**ANTI-CORROSIVE TREATMENT**	: Phosphate treatment followed by epoxy powder coating of body DFT not less than 50 Micron & Internally plastic coating
8.	**MISCELLEANEOUS**	
	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

MODEL NO. : KFWMSHQ-2

MARKING : AS PER IS 15683:2018

APPROVAL : BIS - ISI MARKED

DESIGN DATA

SR. NO.	PARTICULARS	DESCRIPTION
01	CAPACITY	2 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.

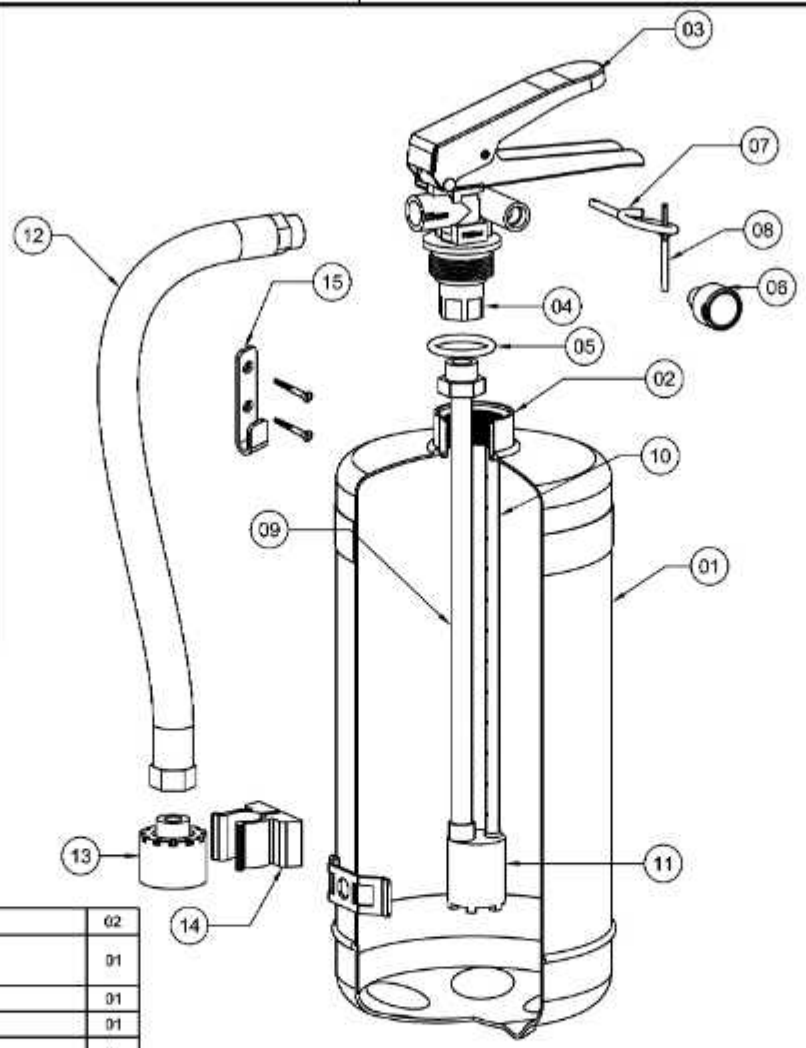
PERFORMANCE PARAMETERS

01	EFFECTIVE DISCHARGE TIME	MIN. 8 SEC. (Actual : 15 sec. aprx.)
02	BULK RANGE OF DISCHARGE	MIN. 2 METER (Actual : 3 meter aprx.)
03	PERCENTAGE OF DISCHARGE	NOT LESS THAN 95% (Actual : 97% aprx.)
04	FIRE RATING	1A : 34B : 5F

HARD PUNCH MARKING:

KANEX YEAR PT 35 BAR T +5°C/+60°C X XXXXXX 2 LTR

SERIAL NO.



ITEM NO.	DESCRIPTION	MATERIAL	QTY.
16	EXTINGUISHING MEDIUM	DISTILLED WATER + AFFF AGENT	02
15	WALL MOUNTING BRACKET WITH SCREW	MS ZINC PLATED	01
14	HOSE HOLDER CLAMP	PP PLASTIC	01
13	DISCHARGE NOZZLE	PP PLASTIC	01
12	DISCHARGE HOSE	RUBBER BRAIDED HOSE (BURST PRESSURE ≥ 55 bar)	01
11	FILTER WITH ROTOR	PVC / PLASTIC	01
10	BRATHING SIPHON TUBE	PVC / PLASTIC	01
09	SIPHON TUBE	PVC / PLASTIC	01
08	SAFETY PIN HOLDER	RUBBER / SOFT PVC	01
07	SAFETY PIN	SS	01
06	PRESSURE GAUGE / INDICATOR	AS PER IS 15683:2018	01
05	"O" RING	NITRILE RUBBER	01
04	SIPHON TUBE ADAPTER	PVC	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

SYMBOL	REVISION DESCRIPTION	DATE	BY

	DATE	NAME
DRAWN	01/08/19	MEHUL
CHECK.		
APPD.		

TITLE : WATER-MIST (STORED PRESSURE) 2 LTR FIRE EXTINGUISHER

GAD NO. : KFFPL/GAD/KFWMSHQ-2

KANEX®

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

A4 – 297 X 210

DO NOT SCALE DRAWING.

DRW. MUST NOT BE COPIED OR LEND W/O PERMISSION OF KANEX

ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE STATED.

IF IN DOUBT ASK.