

WATER MIST CUM CAFS (COMPRESSED AIR FOAM SYSTEM) (AFFF-6%) 10 LTR FIRE EXTINGUISHER

Applicable Classes of fire - A, B, C & Electrically started fires

Brief description: These extinguishers come with nominal charge of 10 ltr. (+5%) DM water and 6% AFFF agent. Body constructed of SS Sheet & Aluminum discharge cap having foam quality changing knob. It comes with air cylinder of 2Ltr capacity with 300 bar pressure. Externally Epoxy powder coated.

Client :

PO Number :



1. GENERAL DATA

Manufacturer	: Kanadia Fyr Fyter Pvt. Ltd.
Trade Mark	: "KANEX"
Type	: Portable backpack type

2. MATERIAL OF CONSTRUCTION

Extinguishing medium	: Water + 6% AFFF Foam
Body	: SS 304 sheet of 1 mm thickness
Neck Ring	: SS 304 - M74x2 Male threaded
Mixing chamber (Cap)	: Aluminum - M74x2 Female threaded
Siphon tube	: SS 304
Air cylinder	: Carbon composite - 2Ltr x 300 bar - M18 x 2 - PESO approved
Pressure reducer	: To reduce pressure of 300 bar Air cylinder
Connecting hose	: SS Braided
Discharge hose with nozzle	: Rubber braided EPDM hose of 1.5 M (Burst pressure $\geq$ 55 bar) with mist nozzle
Backpack	: HDPE (As per Kanex specification)

3. PERFORMANCE DATA

Fire rating (As per EN)	: 27A : IIB
Performance requirements	: Effective discharge time : 25 Sec. (Wet) & 50 Sec. (Dry) Bulk range of discharge : 12-13 Mtr. (Wet) & 11-12 Mtr. (Dry) Percentage of discharge : Min. 90%
Electrical test	: Testes & passed for electrical conductivity test in NABL approved lab for 36KV from 1 Mtr distance (In Dry mode only)
Temperature Range	: +5" to +60" C
Service pressure	: 13-15 bar (Dynamic)

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.

5. TYPE TESTS

: As per EN 3-7, EN 3-8 & IS 15683:2018

6. DIMENSIONS

	: Diameter : 180 $\pm$ 5 mm
	: Height : 720 mm Approx.
Full weight of extinguisher	: 22-25kg (Approx.)

7. SURFACE TREATMENT

: 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)
Approvals	: CE
Maintenance, care and refilling	: As per IS 2190

9. PACKING

: Corrugated boxes

APPROVAL : CE

DESIGN DATA

SR. NO.	PARTICULARS	DESCRIPTION
01	CAPACITY	10 LTR + 5%
02	TEMPERATURE RANGE	+5°C TO +60°C
03	DYNAMIC SERVICE PRESSURE	13-15 bar
04	PRESSURE TEST (PT)	35 bar HOLD FOR 1 min.
05	MIN. BURST PRESSURE TEST (PB)	55 bar HOLD FOR 1 min.

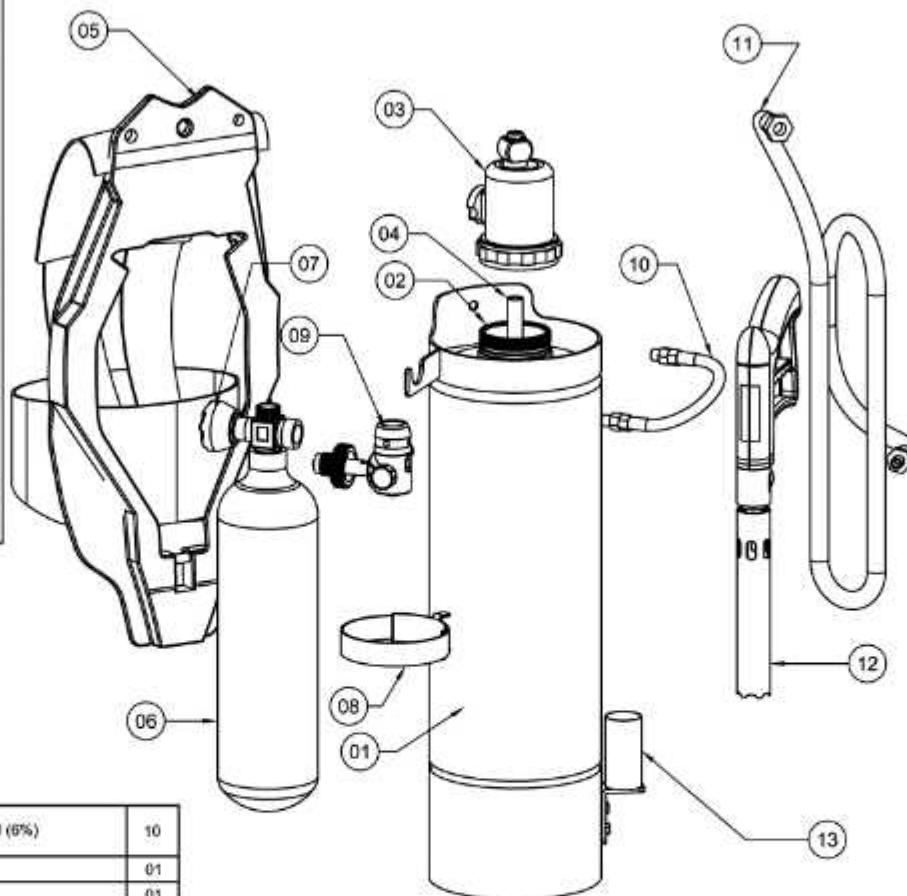
PERFORMANCE PARAMETERS

01	EFFECTIVE DISCHARGE TIME	25 SEC. (WET) & 50 SEC. (DRY)
02	BULK RANGE OF DISCHARGE	12-13 MTR (WET) & 11-12 MTR (DRY)
03	PERCENTAGE OF DISCHARGE	NOT LESS THAN 90%
04	FIRE RATING	55A - IIB (AS PER EN 3-7)

SPECIAL FEATURE:

TESTED & PASSED FOR ELECTRICAL CONDUCTIVITY TEST IN NABL APPROVED LAB FOR 36KV FROM 1 MTR DISTANCE (ONLY DRY MODE)

CAUTION:
ELECTRICAL TEST NOT SUITABLE WITH WET MODE.



MODEL NO. : KCAFSHQ-10



14	EXTINGUISHING MEDIUM	DISTILLED WATER + AFFF FOAM (6%)	10
13	NOZZLE REST CLAMP	MS	01
12	DISCHARGE NOZZLE / GUN	TRIGGER TYPE	01
11	DISCHARGE HOSE	RUBBER BRAIDED EPDM HOSE WITH SPRING PROTECTION (BURST PRESSURE ± 55 bar) 1.5 MTR LONG	01
10	CONNECTING HOSE	SS BRAIDED	01
09	PRESSURE REDUCER	TO REDUCE THE PRESSURE OF 300 BAR AIR CYLINDER	01
08	CYLINDER HOLDING BELT	VELCRO BELT	01
07	AIR CYLINDER VALVE	M18 x 2 - 300 BAR - SELF LOCKING WHEEL OPERATED	01
06	AIR CYLINDER	2 LTR x 300 BAR - M18 x 2 CARBON COMPOSITE (PESO APPROVED)	01
05	BACKPACK	HDPE (AS PER KANEX SPECIFICATION)	01
04	SIPHON TUBE	SS 304	01
03	MIXING CHAMBER	ALUMINUM - M74 X 2.0 FEMALE THREADED WITH WET / DRY MODE KNOB	01
02	NECK RING	SS 304 - M74 X 2 MALE THREADED	01
01	BODY	SS 304 - 1mm THICK SHEET	01
ITEM NO.	DESCRIPTION	MATERIAL	QTY.

					DATE	NAME
					01/08/19	MEHUL
02	NOZZLE DESIGN CHANGED / PERFORMANCE DATA CHANGE	26.02.2020	MEHUL	CHECK		
01	FEW DESIGN CHANGED / LABEL CHANGE	03.12.2019	MEHUL	APPR.		
SYMBOL	REVISION - DESCRIPTION	DATE	BY			
TITLE : WATER MIST CUM CAFS (COMPRESSED AIR FOAM SYSTEM) 10 LTR FIRE EXTINGUISHER				 KANEX 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/KCAFSHQ-10						
				SCALE : NTS SHEET : 1 OF 1		