

WATER MIST CUM CAFS (COMPRESSED AIR FOAM SYSTEM) (AFFF-6%) 50 LTR TROLLEY MOUNTED FIRE EXTINGUISHER

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

Brief description: These extinguishers come with nominal charge of 50 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 6Ltr 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	: Mobile Trolley mounted type

2. MATERIAL OF CONSTRUCTION

Extinguishing medium	: Water + 6% AFFF agent (IS:4989 compiled)
Body	: SS 304 sheet of 3 mm thickness
Neck Ring	: SS 304 - M74x2 Male threaded
Mixing chamber (Cap)	: Aluminum - M74x2 Female threaded
Siphon tube	: SS 304
Air cylinder	: 6Ltr x 300 bar - M18 x 2 - PESO approved
Pressure reducer	: To reduce pressure of 300 bar Air cylinder
Connecting hose	: SS wire Braided
Discharge hose with nozzle	: Rubber braided EPDM hose of 5 M (Burst pressure $\geq$ 55 bar) with mist nozzle
Mobile trolley	: MS Pipe
Trolley wheel	: Solid rubber

3. PERFORMANCE DATA

Fire rating (As per EN)	: 55A : IVB
Performance requirements	: Effective discharge time : 125 Sec. (Wet) & 270 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	: 12-15 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 1866-1:2007-10 & IS 16018:2012

6. DIMENSIONS

	: Diameter: 300 $\pm$ 10 mm
	: Height: 1120 mm Approx.
Full weight of extinguisher	: 95 kg (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 2190:2010

9. PACKING

: Jute bags

APPROVAL : CE

DESIGN DATA

SR. NO.	PARTICULARS	DESCRIPTION
01	CAPACITY	50 LTR + 5%
02	TEMPERATURE RANGE	+5°C TO +60°C
03	DYNAMIC SERVICE PRESSURE	12-15 bar
04	PRESSURE TEST (PT)	35 bar HOLD FOR 1 min.
05	MIN. BURST PRESSURE TEST (PB)	55 bar HOLD FOR 1 min.

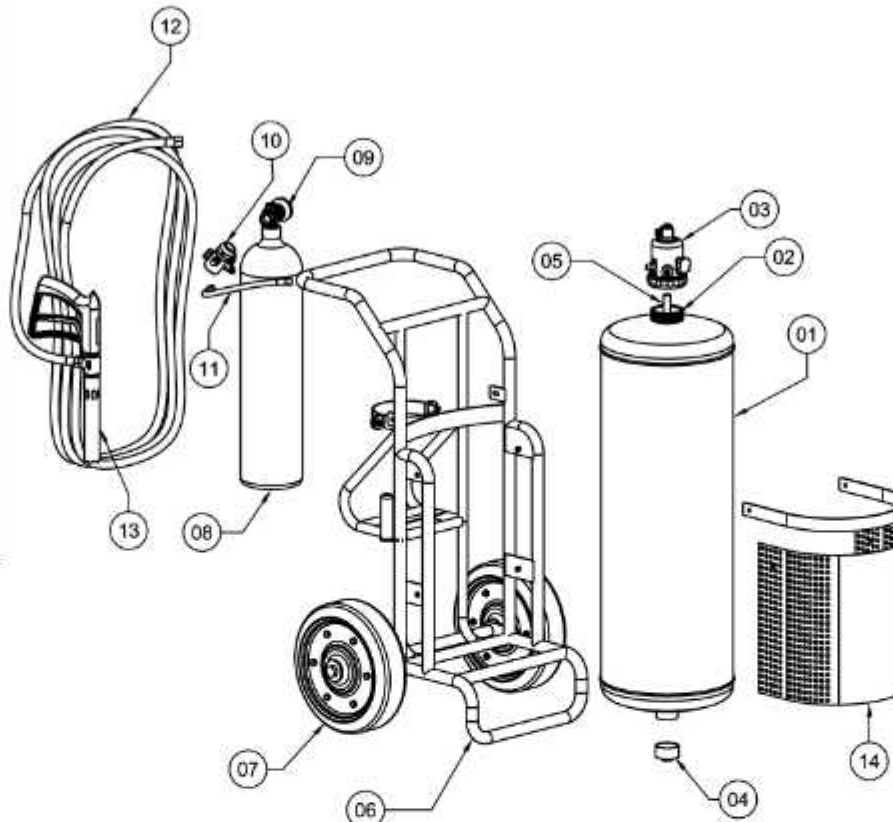
PERFORMANCE PARAMETERS

01	EFFECTIVE DISCHARGE TIME	125 SEC. (WET) & 270 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 - IVB (AS PER EN-1866)

SPECIAL FEATURE:

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

CAUTION:
ELECTRICAL USE NOT SUITABLE WITH WET MODE



MODEL NO. : KCAFSHQ-50



15	EXTINGUISHING MEDIUM	DISTILLED WATER + AFFF FOAM (8%)	50
14	PERFORATED SHEET	SS 304	01
13	DISCHARGE NOZZLE / GUN	TRIGGER TYPE	01
12	DISCHARGE HOSE	RUBBER BRAIDED EPDM HOSE WITH SPRING PROTECTION (BURST PRESSURE ≥ 55 bar) 5 MTR LONG	01
11	CONNECTING HOSE	SS BRAIDED	01
10	PRESSURE REDUCER	TO REDUCE THE PRESSURE OF 300 BAR AIR CYLINDER	01
09	AIR CYLINDER VALVE	M18 x 2 - 300 BAR - SELF LOCKING WHEEL OPERATED	01
08	AIR CYLINDER	6 LTR x 300 BAR - M18 x 2 (PESO APPROVED)	01
07	TROLLEY WHEEL	SOLID RUBBER	02
06	TROLLEY	MS PIPE (BLACK POWDER COATED)	01
05	SIPHON TUBE	SS 304	01
04	DRAIN PLUG	SS AS PER IS:8529	01
03	MIXING CHAMBER	ALUMINUM - M74 X 2 FEMALE THREADED WITH WET / DRY MODE KNOB	01
02	NECK RING	SS 304 - M74 X 2 MALE THREADED	01
01	BODY	SS 304 - 3mm THICK SHEET	01
ITEM NO.	DESCRIPTION	MATERIAL	QTY.

					DATE	NAME
				01/08/19	MEHUL	
02	NOZZLE & REDUCER CHANGE / PERFORMANCE CHANGE	26.02.2020	MEHUL	CHECK		
01	TROLLEY DESIGN CHANGE / STICKER CHANGE	03.12.2019	MEHUL	APPR.		
SYMBOL	REVISION - DESCRIPTION	DATE	BY			
TITLE : WATER MIST CUM CAFS (COMPRESSED AIR FOAM SYSTEM) 50 LTR TROLLEY MOUNTED 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-50						
				SCALE : NTS	SHEET : 1 OF 1	