

BC DRY POWDER SBC TROLLEY MOUNTED 25 KG FIRE EXTINGUISHER

Applicable Class of fire - B, C and electrically started fires.

Brief description: These extinguishers come with nominal charge of 25 kg (±2%) dry powder, Constructed of MS Sheet by MIG Welding process and brass forged cap, Internally & Externally epoxy powder coated. As a propellant it is provided with CO2 1kg cylinder (Confirms to IS:7285).

Client :

PO Number :



1. GENERAL DATA

Manufacturer	: Kanadia Fyr Fyter Pvt. Ltd.
Trade Mark	: "KANEX"
BIS standard code	: IS 16018:2012
Type	: Mobile Trolley mounted

2. MATERIAL OF CONSTRUCTION

Extinguishing medium	: Sodium Bi Carbonate (SBC) dry powder (IS 4308:2019)
Body	: Mild Steel Sheet as per IS:2062
Neck Ring	: MS Pipe confirms to IS:1239 (part-1)
Cap	: Brass confirms to IS:319
Drain plug	: Brass confirms to IS:319
Siphon tube (Inlet/Outlet)	: MS pipe confirms to IS:3601
CO2 gas cylinder	: 1KG confirms to IS:7285
Discharge hose with nozzle	: PVC braided (Burst pressure ≥ 55 bar) hose & Aluminum alloy (IS:617) nozzle
Trolley wheel	: Solid rubber
Carrying handle	: MS pipe

3. PERFORMANCE DATA

Fire rating	: 233B
Performance requirements	: Min. Effective discharge time : 30 Sec. (Actual : 32 Sec. Approx.) : Min. Bulk range of discharge : 6 Mtr. (Actual : 6.5 Mtr. Approx.) : Min. Percentage of discharge : 85%
Temperature Range	: -30° to +55° C
Service pressure / Expansion space	: 14 bar
Max. service pressure	: 17 bar

4. ROUTINE TESTS

Hydro Pressure Test (Pt)	: 35 bar (3.5 MPa) Hold for 30 sec.
Min. Burst pressure (Pb) for body	: 55 bar (5.5 MPa) Hold for 60 sec.

5. TYPE TESTS

	: As per IS 16018:2012
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6. DIMENSIONS

	: Diameter : 300 ± 10 mm
	: Height : 980 mm Approx.
Thickness of sheet	: Made up from 3.15mm thick sheet
Filler opening	: 75mm
Full weight of extinguisher	: 84kg (Approx.)

7. ANTI-CORROSIVE TREATMENT

	: Phosphate treatment followed by epoxy powder coating of body DFT not less than 50 Micron
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8. MISCELLENEOUS

Inspection & testing	: As per approved QAP
Finish	: PO Red as per IS : 5 (Shade 538)
Marking	: As per IS 16018:2012
Approvals	: BIS
Maintenance, care and refilling	: As per IS 16018:2012

9. PACKING

	: Corrugated paper & suitable jute bags
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MARKING : AS PER IS 16018:2012

APPROVAL : BIS - ISI MARKED

DESIGN DATA

SR. NO.	PARTICULARS	DESCRIPTION
01	CAPACITY	25 KG $\pm$ 2%
02	TEMPERATURE RANGE	-30°C TO +55°C
03	SERVICE PRESSURE / EXPANSION SPACE	14 bar
04	MAX. SERVICE PRESSURE	17 bar
05	PRESSURE TEST (PT)	35 bar HOLD FOR 30 Sec.
06	MIN. BURST PRESSURE TEST (PB)	70 bar HOLD FOR 60 Sec.

PERFORMANCE PARAMETERS

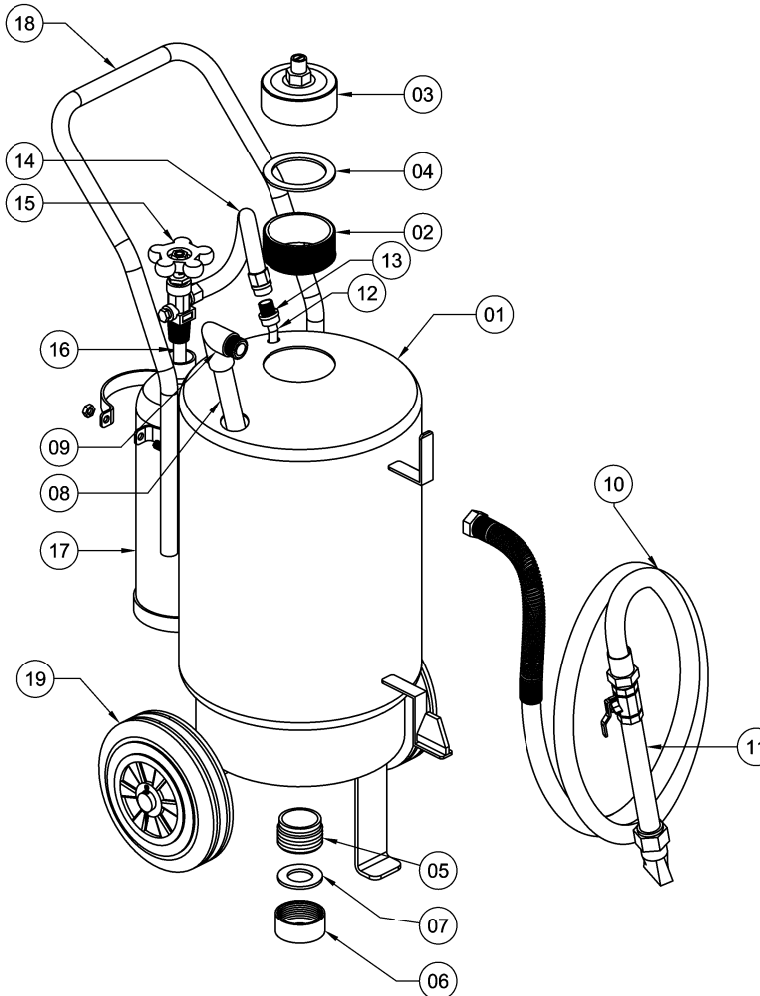
01	EFFECTIVE DISCHARGE TIME	MIN. 30 SEC. (Actual : 32 sec. aprx.)
02	BULK RANGE OF DISCHARGE	MIN. 6 METER (Actual : 6.5 meter aprx.)
03	PERCENTAGE OF DISCHARGE	NOT LESS THAN 85%
04	FIRE RATING	233B

HARD PUNCH MARKING:

KANEX YEAR PT 35 BAR T -30°C/+55°C 25 KG

SERIAL NO. XXXXXX

20	EXTINGUISHIN MEDIUM	SODIUM BI CARBONTE POWDER CONFIRMS TO IS 4306:2019	25
19	TROLLEY WHEEL	SOLID RUBBER	02
18	CARRYING HANDLE	MS	01
17	CO2 CYLINDER (1 KG)	CONFIRMS TO IS:7285 & PESO APPROVED	01
16	CO2 CYLINDER SIPHON TUBE	ALUMINUM	01
15	CO2 CYLINDER VALVE	BRASS CONFIRMS TO IS:3224	01
14	CO2 CONNECTION HOSE	WIRE BRAIDED (BURST PRESSURE $\geq$ 275 bar)	01
13	CO2 CONNECTION ADAPTER	MS	01
12	INLET SIPHON	MS PIPE AS PER IS:3601	01
11	DISCHARGE NOZZLE	ALUMINUM ALLOY AS PER IS:617	01
10	DISCHARGE HOSE	PVC BRAIDED (BURST PRESSURE $\geq$ 55 bar)	01
09	DISCHARGE ELBOW	MS FORGED	01
08	OUTLET SIPHON TUBE	MS PIPE AS PER IS:3601	01
07	DRAIN PLUG WASHER	RUBBER	01
06	DRAIN PLUG	BRASS - 1.5" FEMALE THREADED	01
05	DRAIN RING	MS PIPE - 1.5" MALE THREADED	01
04	CAP WASHER	RUBBER	01
03	CAP	BRASS - 3" AS PER IS:319	01
02	NECK RING	MS PIPE - 3" MALE THREADED AS PER IS:1239 PART-1	01
01	BODY	MS SHEET AS PER IS:2062	01
ITEM NO.	DESCRIPTION	MATERIAL	QTY.



MODEL NO. : KFDRQ-25-S



				DATE	NAME
				DRAWN	12/06/19 MEHUL
				CHECK.	
				APPD.	
SYMBOL	REVISION	DESCRIPTION	DATE	BY	
TITLE : BC DRY POWDER SODIUM BI CARBONATE (TROLLEY MOUNTED) 25KG FIRE EXTINGUISHER					
GAD NO. : KFFPL/GAD/KFDRQ-25-S					
 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