

CO2 (HIGH PRESSURE) TROLLEY MOUNTED 9 KG FIRE EXTINGUISHER

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

Brief description: These extinguishers come with nominal charge of 9 kg (-5%) carbon dioxide. Body is constructed by hot spinning of seamless pipe and brass forged discharge Valve. Extinguisher is Enamel spray painted.

Client :

PO Number :

**1. GENERAL DATA**

Manufacturer	: Kanadia Fyr Fyter Pvt. Ltd.
Trade Mark	: "KANEX"
BIS standard code	: IS 16018:2012
Type	: Trolley Mounted - High pressure

2. MATERIAL OF CONSTRUCTION

Extinguishing medium	: CO2 gas (Purity 99.5% as per IS:15222)
Body	: Seamless Manganese steel - ISI marked & confirms to IS:7285
Valve	: Brass - wheel type as per IS:3224
Siphon tube	: Aluminum
Discharge hose	: Wire braided hose (Burst pressure $\geq$ 275 bar)
Flat Discharge horn	: Electrical non-conductor Polyethylene (Discharge horn)
Trolley	: MS Powder coated
Trolley Wheel	: MS plate + Solid rubber

3. PERFORMANCE DATA

Fire rating	: 55B
Performance requirements	: Min. Effective discharge time : 15 Sec. (Actual : 30 Sec. Approx.) : Min. Bulk range of discharge : 2 Mtr. (Actual : 3 Mtr. Approx.) : Min. Percentage of discharge : 95% (Actual : 97% Approx.)
Temperature range	: -30° to +60° C
Service pressure	: 60-70 bar
Test pressure	: 250 bar

4. ROUTINE TESTS

Hydro Pressure Test (Pt)	: 250 bar (25 MPa)
Leakage test	: By dipping into water leakage is to be checked

5. TYPE TESTS

: As per IS 15683:2018

6. DIMENSIONS

	: Diameter : 140 $\pm$ 10 mm
	: Height : 1250 mm Approx.
Shell thickness	: Min. 4.0 to 4.5 mm
Full weight of extinguisher	: 34 or 36 kg (Approx.)

7. COLOUR & PAINTS

: Durable Enamel spray painted (PO Red Shade no.538 as per IS-5)

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 & PESO
Maintenance, care and refilling	: As per IS 16018:2012

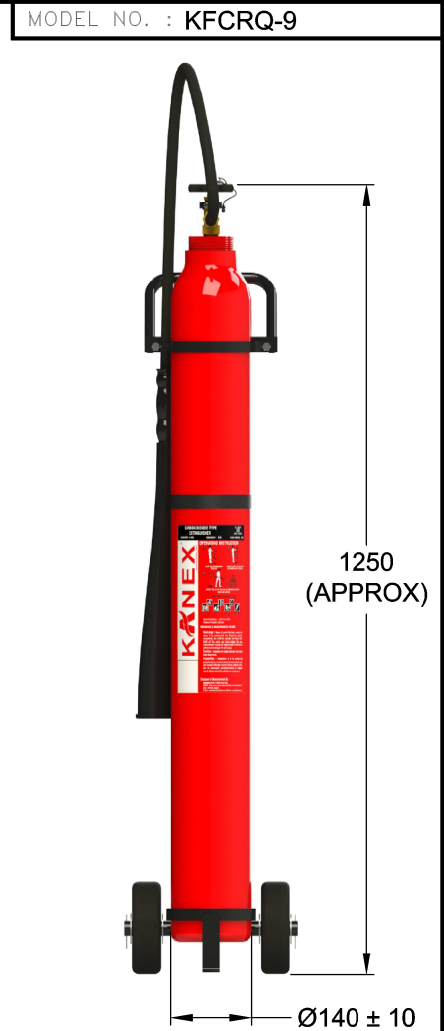
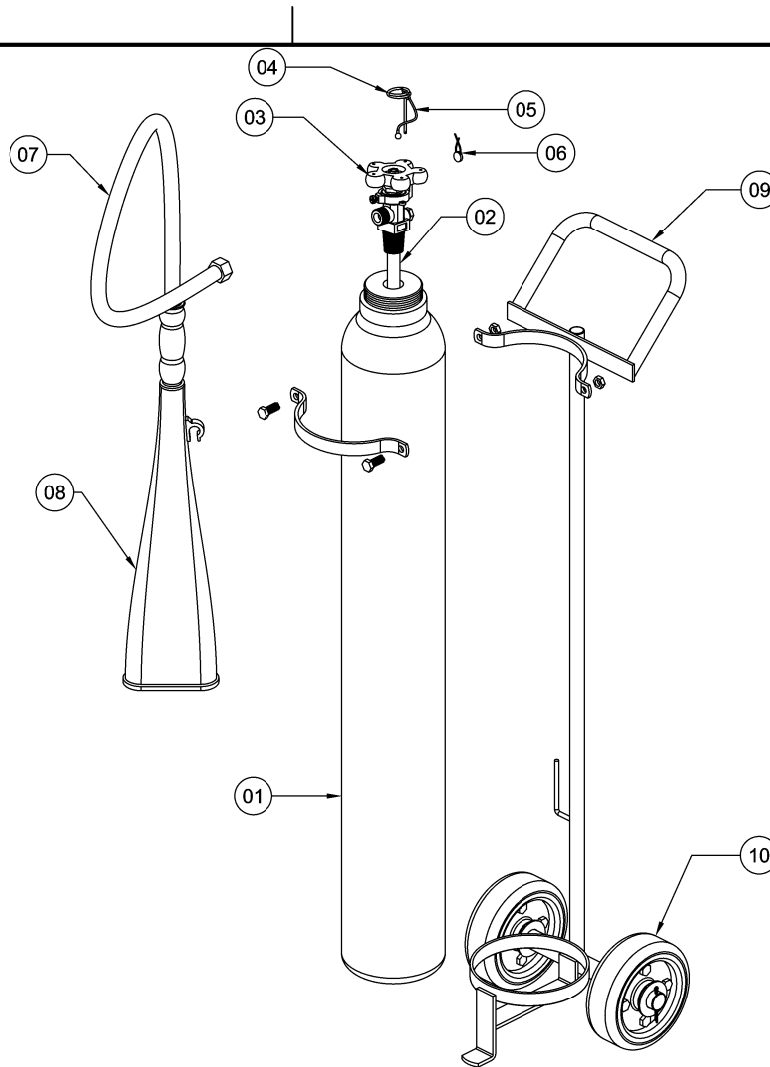
9. IN BOX ACCESSORIES

: Wall mounting bracket with screw

10. PACKING

: Corrugated paper & suitable jute bags

MARKING : AS PER IS 16018:2012		
APPROVAL : BIS - ISI MARKED & PESO		
DESIGN DATA		
SR. NO.	PARTICULARS	DESCRIPTION
01	CAPACITY	9 KG -5%
02	TEMPERATURE RANGE	-30 °C TO +55 °C
03	SERVICE PRESSURE / EXPANSION SPACE	60-70 bar
04	PRESSURE TEST (PT)	250 bar
PERFORMANCE PARAMETERS		
01	EFFECTIVE DISCHARGE TIME	MIN. 15 SEC. (Actual : 30 sec. aprx.)
02	BULK RANGE OF DISCHARGE	MIN. 2 METER (Actual : 3 meter aprx.)
03	PERCENTAGE OF DISCHARGE	MIN. 95% (Actual : 97%)
04	FIRE RATING	55B



11	EXTINGUISHING MEDIUM	CO2 GAS PURITY 99.5% AS PER IS:15222	9
10	TROLLEY WHEEL	MS PLATE & SOLID RUBBER	02
09	TROLLEY	MS (POWDER COATED)	01
08	FLAT DISCHARGE HORN	POLYETHYLENE - NON CONDUCTOR OF ELECTRICITY	01
07	DISCHARGE HOSE	WIRE BRAIDED 2 Mtr. LONG , ID:10 mm (BURST PRESSURE ≥ 275 bar)	01
06	SEAL	LEAD	01
05	SAFETY PIN HOLDER	SOFT PVC	01
04	SAFETY PIN	MS (HARD CHROMED)	01
03	WHEEL TYPE VALVE	BRASS CONFIRMS TO IS:3224	01
02	SIPHON TUBE	ALUMINUM ALLOY CONFIRMS TO IS:738	01
01	BODY	SEAMLESS MANGANESE STEEL (ISI MARKED) CONFIRMS TO IS:7285	01
ITEM NO.	DESCRIPTION	MATERIAL	QTY.

				DATE	NAME
				DRAWN	12/06/19 MEHUL
				CHECK.	
				APPD.	
SYMBOL	REVISION	DESCRIPTION	DATE	BY	
TITLE : CO2 TROLLEY MOUNTED (STORED HIGH PRESSURE) 9KG FIRE EXTINGUISHER					
GAD NO. : KFFPL/GAD/KFCRQ-9					
 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