

Co2 (High Pressure) Trolley Mounted 22.5 Kg Fire Extinguisher

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

Brief description: These extinguishers come with nominal charge of 22.5 kg (-5%) carbon dioxide. Body is constructed by hot spinning of seamless pipe and brass forged discharge Valve. Extinguisher is Enamel spray painted.



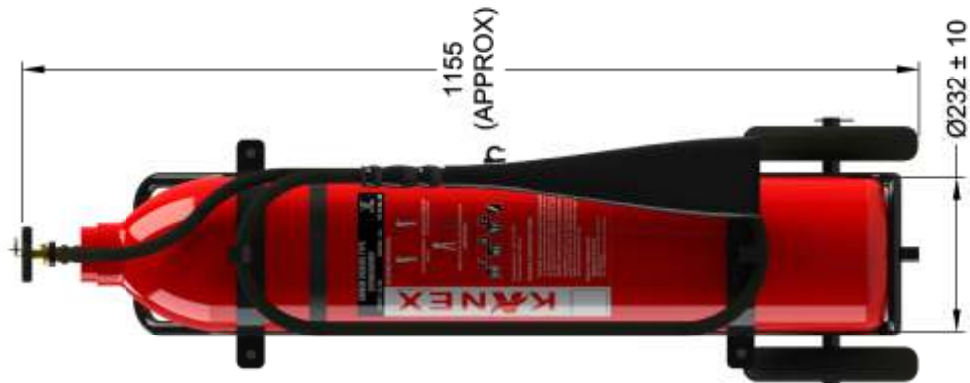
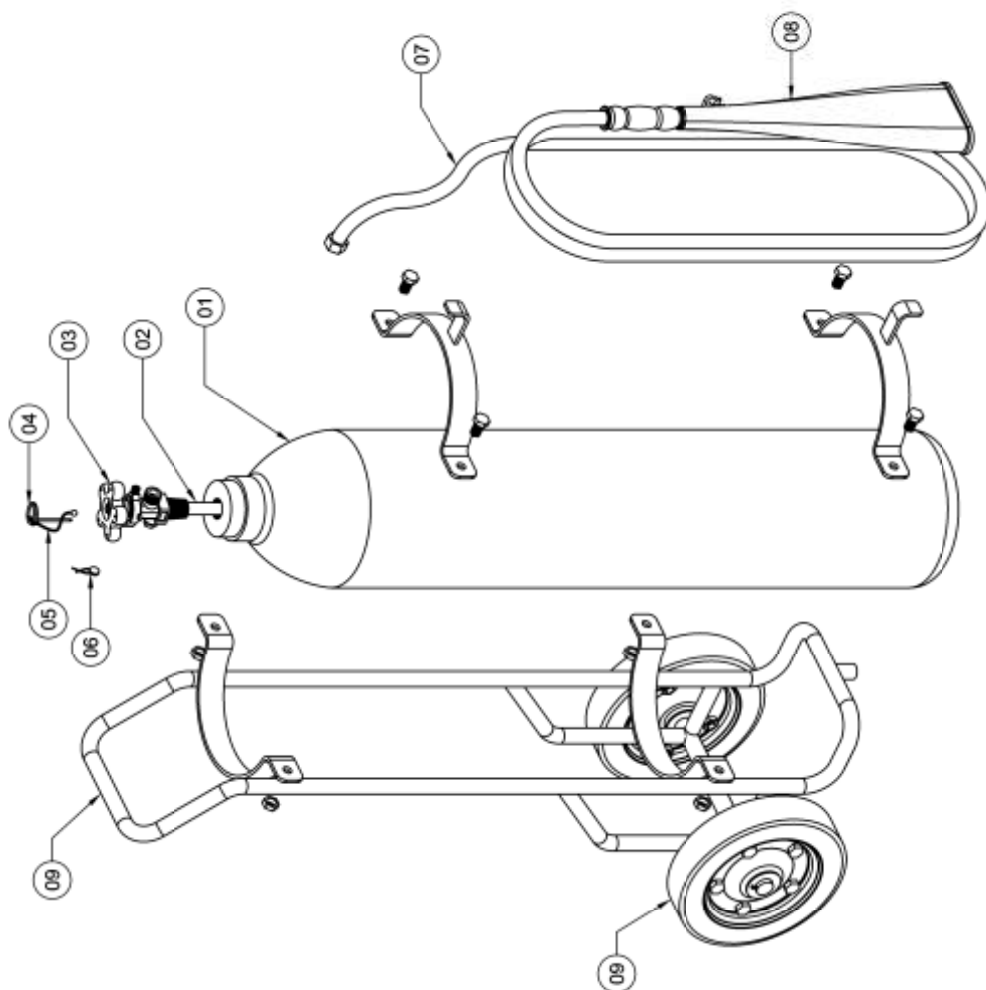
1.	GENERAL DATA	
	Manufacturer	: Kanadia Fyr Fyter Pvt. Ltd.
	Trade Mark	: "KANEX"
	BIS standard code	: IS 16018:2012
	Type	: Trolley Mounted - High pressure
2.	MATERIAL OF CONSTRUCTION	
	Extinguishing medium	: CO2 gas (Purity 99.5% as per IS:15222)
	Body	: Seamless Manganese steel - ISI marked & confirms 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	: 89B
	Performance requirements	: Min. Effective discharge time : 15 Sec. (Actual : 37 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 : 232 $\pm$ 10 mm
		: Height : 1155 mm Approx.
	Shell thickness	: Min. 5.2 to 5.4 mm
	Full weight of extinguisher	: 84 or 86 kg (Approx.)
7.	COLOUR & PAINTS	: Durable Enamel spray painted (PO Red Shade no.538 as per IS-5)
8.	MISCELLEANEOUS	
	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	22.5 KG -5%
02	TEMPERATURE RANGE	-30°C TO +55°C
03	SERVICE PRESSURE / EXPANSION	60-70 bar
04	SPACE	
	PRESSURE TEST (PT)	250 bar
PERFORMANCE PARAMETERS		
01	EFFECTIVE DISCHARGE TIME	MIN. 15 SEC. (Actual : 37 sec. appr.)
02	BULK RANGE OF DISCHARGE	MIN. 2 METER (Actual : 3 meter appr.)
03	PERCENTAGE OF DISCHARGE	MIN. 95% (Actual : 97%)
04	FIRE RATING	89B



MODEL NO. : KFCRQ-22.5

IF IN DOUBT ASK.	ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE STATED.
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ITEM NO.	DESCRIPTION	MATERIAL	QTY.
11	EXTINGUISHING MEDIUM	CO2 GAS PURITY 99.9% AS PER IS:15322	22.5
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 5 MR. 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:3324	01
02	SIPHON TUBE	ALUMINUM ALLOY CONFIRMS TO IS:738	01
01	BODY	SEAMLESS MANGANESE STEEL (ISI MARKED) CONFIRMS TO IS:7285	01

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