

CO2 (HIGH PRESSURE) PORTABLE 2 KG FIRE EXTINGUISHER

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

Brief description: These extinguishers come with nominal charge of 2 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 15683:2018
Type	: Portable Stored 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
Bend pipe with Discharge horn	: MS (Bend pipe) & Electrical non-conductor Polyethylene (Discharge horn)
Wall mounting bracket with screw	: MS Powder coated

3. PERFORMANCE DATA

Fire rating	: 21B
Performance requirements	: Min. Effective discharge time : 8 Sec. (Actual : 9 Sec. Approx.) : Min. Bulk range of discharge : 2 Mtr. (Actual : 2 Mtr. Approx.) : Min. Percentage of discharge : 95% (Actual : 98% 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
Partial discharge	: The second pressure or weight shall not be less than 75% of the first after interruption of the Discharge

5. TYPE TESTS

: As per IS 15683:2018

6. DIMENSIONS

	: Diameter : 108 ± 5 mm
	: Height : 580 mm Approx.
Shell thickness	: Min. 3.5 to 4.0 mm
Full weight of extinguisher	: 8.2 or 8.9kg (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 15683:2018
Approvals	: BIS & PESO
Maintenance, care and refilling	: As per IS 2190

9. IN BOX ACCESSORIES

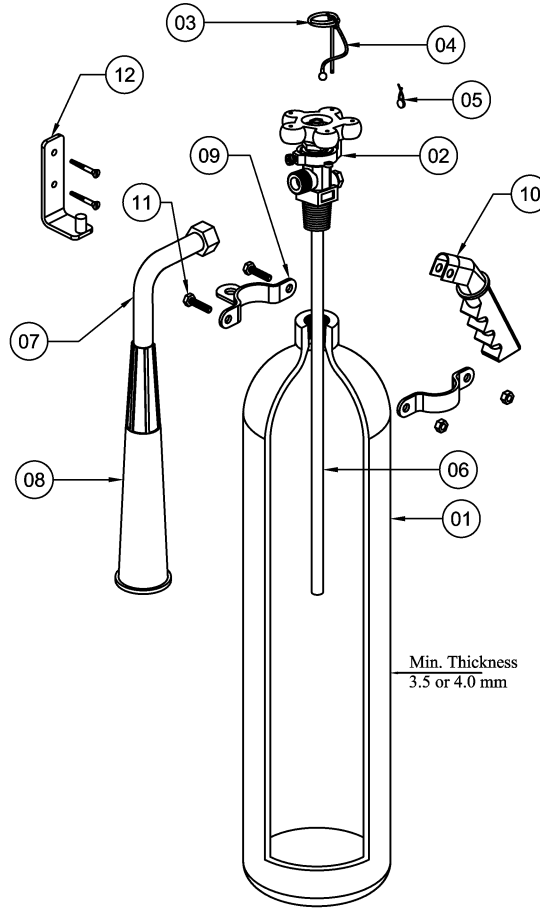
: Wall mounting bracket with screw

10. PACKING

: Corrugated paper & suitable jute bags

MARKING : AS PER IS 15683:2018		
APPROVAL : BIS - ISI MARKED & PESO		
DESIGN DATA		
SR. NO.	PARTICULARS	DESCRIPTION
01	CAPACITY	2 KG + 5%
02	TEMPERATURE RANGE	-30 °C TO +60 °C
03	SERVICE PRESSURE	60-70 bar
04	PRESSURE TEST (PT)	250 bar
PERFORMANCE PARAMETERS		
01	EFFECTIVE DISCHARGE TIME	MIN. 8 SEC. (Actual : 9 sec. aprx.)
02	BULK RANGE OF DISCHARGE	MIN. 2 METER (Actual : 2 meter aprx.)
03	PERCENTAGE OF DISCHARGE	NOT LESS THAN 95% (Actual : 98% aprx.)
04	FIRE RATING	21B

13	EXTINGUISHING MEDIUM	CO2 GAS PURITY 99.5% AS PER IS:15222	02
12	WALL MOUNTING BRACKET WITH SCREW	MS POWDER COATED	01
11	NUT-BOLT	MS GALVANIZED	02
10	HANDLE	MS WITH RUBBER GRIP	01
09	CLAMP	MS	01
08	DISCHARGE HORN	POLYETHYLENE - NON CONDUCTOR OF ELECTRICITY	01
07	BEND PIPE	MS	01
06	SIPHON TUBE	ALUMINUM	01
05	SEAL	LEAD	01
04	SAFETY PIN HOLDER	SOFT PVC	01
03	SAFETY PIN	MS HARD CHROMED	01
02	WHEEL TYPE VALVE	BRASS CONFIRMS TO IS:3224	01
01	BODY	SEAMLESS MANGANESE STEEL (ISI MARKED) CONFIRMS TO IS:7285	01
ITEM NO.	DESCRIPTION	MATERIAL	QTY.



						DATE	NAME
						DRAWN	12/08/19 MEHUL
						CHECK.	
						APPD.	
SYMBOL	REVISION DESCRIPTION			DATE	BY	 KANEX[®] KANADIA FYR FYTER PVT. LTD. (AN ISO 9001:2015 CERTIFIED COMPANY) 7-8 PARAS INDUSTRIAL ESTATE, NEAR GARIBSHAH PIR, SIHOR(364240), GUJ.	
TITLE : CO2 PORTABLE (STORED HIGH PRESSURE) 2 KG FIRE EXTINGUISHER							
GAD NO. : KFFPL/GAD/KFCRQ-2							
 						SCALE : NTS	SHEET : 1 OF 1