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.



1	**GENERAL DATA**		
	Manufacturer	:	Intime Fire Appliances Pvt. Ltd.
	Trade Mark	:	”**INTIME**”
	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	:	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	:	-20° 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	**MISCELLEANEOUS**		
	Inspection & testing	:	As per approved QAP
	Finish	:	PO Red as per IS : 5 (Shade 538)
	Marking	:	As per IS 15683:2018
	Approvals	:	BIS / PESO / PED
	Maintenance, care and refilling	:	As per IS 2190
9	**IN BOX ACCESSORIES**	:	Wall mounting bracket
10	**PACKING**	:	Corrugated paper & suitable jute bags

MARKING: AS PER IS 15683:2018

APPROVAL : PESO / PED / BIS MARKED

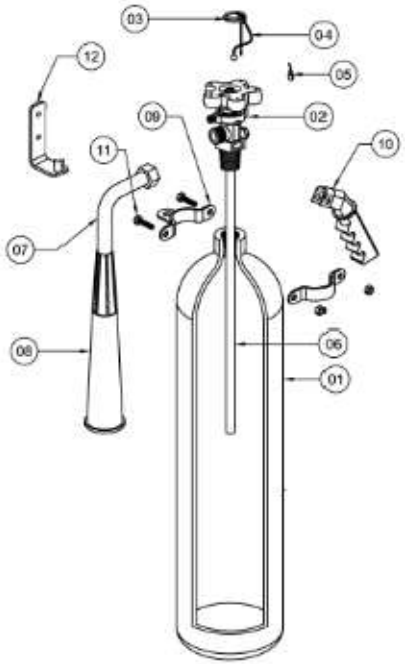
DESIGN DATA

SR. NO	PARTICULARS	DESCRIPTION
01	CAPACITY	2 KG
02	TEMPERATURE RANGE	-20°C TO +60°C
03	SERVICE PRESSURE	60-70 bar
04	PRESSURE TEST	250 bar

PERFORMANCE PARAMETERS

SR. NO	PARTICULARS	DESCRIPTION
01	EFFECTIVE DISCHARGE TIME	MIN. 8 SEC. (Actual: 12 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

HARD PUNCH MARKING
MFG, YEAR, PT250BAR SR NO, TARE WEIGHT, GROSS WEIGHT , WATER CAP.





580 mm ± 10 mm Approx.

Ø108 ± 5 mm
(Approx)

SR. NO	DESCRIPTION	MATERIAL	QTY.
13	EXTINGUISHING MEDIUM	C02 GAS PURITY 99.5% AS PER IS:15222	4.5
12	WALL MOUNTING BRACKET	MS POWDER COATED	01
11	NUT-BOLT	MS GALVANIZED	01
10	HANDLE	MS WITH RUBBER GRIP	01
09	CLAMP	MS	01
08	DISCHARGE HORN	POLYETHYLENE - NON CONDUCTOR OF ELECTRICITY	01
07	BEND PIPE	MS PIPE	01
06	SIPHON TUBE	ALUMINUM	01
05	SEAL	LEAD	01
04	SAFETY PIN HOLDER	SOFT PVC	01
03	SAFETY PIN	MS CHROMED PLATED	01
02	WHEEL TYPE VALVE	BRASS CONFIRMS TO IS:3224	01
01	BODY	SEAMLESS MANGANESE STEEL (ISi MARKED) CONFIRMS TO IS:7285	01

					DATE	NAME
				DRAWN	22.12.22	VIJAY
				CHECK	22.12.22	SHEKHAR
				APP	22.12.22	AM
SYMBOL	REVISION DECRIPTION	DATE	BY			

TITLE :
CO2 (HIGH PRESSURE) WHEEL TYPE
2 KG FIRE EXTINGUISHER (MODEL NUMBER.: CDO2)

GAD NO. : INTIME-CO2-2-WT-HP

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SCALE : NTS | SHEET : 1 OF 1