BC DRY POWDER PBC CARTRIDGE TYPE 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 (±2%) dry powder & CO2 gas cartridge of 200 grams as per IS:4947. Body is constructed of MS Sheet by MIG Welding process and brass forged discharge Valve, Internally & Externally epoxy powder coated.

1	**GENERAL DATA**		
	Manufacturer	:	Intime Fire Appliances Pvt. Ltd.
	Trade Mark	:	"**INTIME**"
	BIS standard code	:	IS 15683:2018
	Type	:	Portable Cartridge Operated
2	**MATERIAL OF CONSTRUCTION**		
	Extinguishing medium	:	Potassium Bi Carbonate **(PBC)** dry powder (IS 4308:2019)
	Body	:	Mild Steel Sheet having Max. of 0.25% **C**, 0.05% **P** and 0.05% **S (IS 513)**
	Neck Ring	:	MS Pipe - M74x2.0 Male threaded
	Valve	:	Brass - M74x2.0 Female threaded
	CO2 gas cartridge	:	200 gram constructed as per IS:4947
	Inlet siphon tube	:	Aluminum / SS
	Outlet siphon tube	:	PVC / Aluminum
	Discharge hose with nozzle	:	Rubber braided EPDM hose with PVC nozzle (Burst pressure ≥ 55 bar)
	Wall mounting bracket	:	MS Powder coated / Chrome Plated
3	**PERFORMANCE DATA**		
	Fire rating	:	144B
	Performance requirements	:	**Min. Effective discharge time :** 15 Sec. (Actual : 24 Sec. Approx.)
		:	**Min. Bulk range of discharge :** 2 Mtr. (Actual : 5.4 Mtr. Approx.)
		:	**Min. Percentage of discharge :** 85% (Actual : 95% Approx.)
	Temperature Range	:	-20° to +60° C
	Service pressure	:	15 bar
	Max. service pressure	:	18 bar
4	**ROUTINE TESTS**		
	Hydro Pressure Test (Pt)	:	35 bar (3.5 MPa) Hold for 2.5 min.
	Min. Burst pressure (Pb) for body	:	55 bar (5.5 MPa) Hold for 1 min.
	Leakage test	:	By dipping into water for cartridges only
	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 :** 180 ± 10 mm
		:	**Height :** 590 ± 10 mm Approx.
	Thickness of sheet	:	Made up from 1.5 mm
	Full weight of extinguisher	:	14.5 kg (Approx.)
7	**ANTI-CORROSIVE TREATMENT**	:	Phosphate treatment followed by epoxy powder coating of body DFT not less than 50 Micron
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 / PED / IRS
	Maintenance, care and refilling	:	As per IS 2190
9	**IN BOX ACCESSORIES**	:	Wall mounting bracket
10	**PACKING**	:	Corrugated boxes

MARKING: AS PER IS 15683:2018

APPROVAL : PED / IRS / BIS MARKED

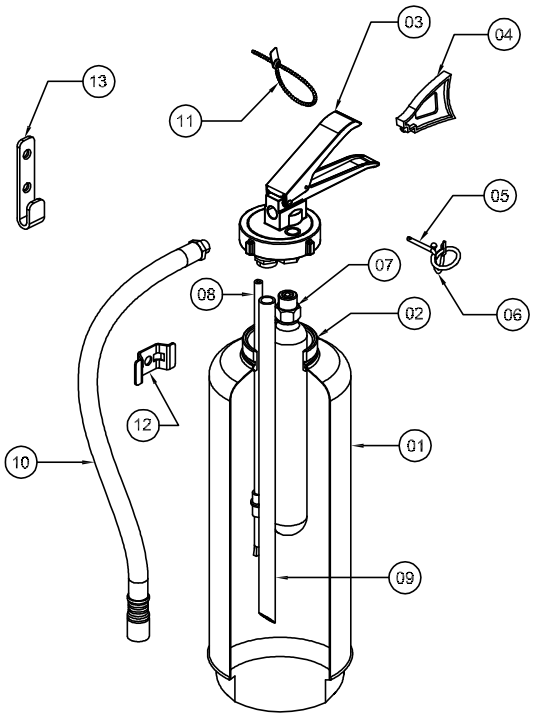
DESIGN DATA

SR. NO	PARTICULARS	DESCRIPTION
01	CAPACITY	9 KG ± 2%
02	TEMPERATURE RANGE	-20°C TO +60°C
03	SERVICE PRESSURE	15 bar
04	MAX. SERVICE PRESSURE	18 bar
05	PRESSURE TEST (PT)	35 bar HOLD FOR 2.5 min.
06	MIN. BURST PRESSURE TEST (PB)	55 bar HOLD FOR 1 min.

PERFORMANCE PARAMETERS

SR. NO	PARTICULARS	DESCRIPTION
01	EFFECTIVE DISCHARGE TIME	MIN. 15 SEC. (Actual: 24 sec. aprx.)
02	BULK RANGE OF DISCHARGE	MIN. 2 METER (Actual: 5.4 meter aprx.)
03	PERCENTAGE OF DISCHARGE	NOT LESS THAN 85% (Actual: 95% aprx.)
04	FIRE RATING	144B

HARD PUNCH MARKING
INTIME YEAR PT 35 BAR CE 1128





590 mm ± 10 mm Approx.

Ø180 ± 10 mm
(Approx)

14	EXTINGUISHING MEDIUM	POTASSIUM BI CARBONATE POWDER CONFIRMS TO IS 4308:2019	09
13	WALL MOUNTING BRACKET	MS POWDER COATED / CHROME PLATED	01
12	"C" CLIP	MS	01
11	SEAL	PP PLASTIC	01
10	HOSE WITH NOZZLE	RUBBER BRAIDED EPDM HOSE WITH PVC NOZZLE(BURST PRESSURE >55 bar)	01
09	OUTLET SIPHON TUBE	PVC / ALUMINUM	01
08	INLET SIPHON TUBE	ALUMINUM / SS	01
07	CO2 GAS CARTAGE	200 GRAM AS PER IS:4947	01
06	SAFETY PIN HOLDER	RUBBER / SOFT PVC	01
05	SAFETY PIN	MS CHROME PLATED	01
04	LEAVR LOCK	PP PLASTIC	01
03	VALVE	BRASS - M74 X 2 FEMALE THREADED	01
02	NECK RING	MS PIPE - M74 X 2 MALE THREADED	01
01	BODY	MS SHEET HAVING MAX. C=0.25%, P=0.05%, S=0.05% (CONFIRMS TO IS:513)	01
SR. NO	DESCRIPTION	MATERIAL	QTY.

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

TITLE : BC DRY POWDER POTASSIUM BI CARBONATE CARTRIDGE TYPE 9 KG FIRE EXTINGUISHER (MODEL NO. : IFACD9-P)

GAD NO. : INTIME-PBC-9-CT

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SCALE : NTS | SHEET : 1 OF 1