BC DRY POWDER PBC STORED PRESSURE 4 KG FIRE EXTINGUISHER



Applicable Class of fire - B, C and electrically started fires.
Brief description: These extinguishers come with nominal charge of 4 kg dry powder, 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 Stored Pressure
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 - M30x1.5 Female threaded
	Valve	: Brass - M30x1.5 Male threaded
	Siphon tube	: Aluminum / PVC
	Pressure gauge / indicator	: As per IS 15683:2018
	Discharge hose with nozzle	: Rubber braided EPDM hose with PVC nozzle (Burst pressure ≥ 55 bar)
	Wall mounting bracket with screw	: MS Powder coated /Chrome Plated
3.	**PERFORMANCE DATA**	
	Fire rating	: 55B
	Performance requirements	: **Min. Effective discharge time :** 9 Sec. (Actual : 18 Sec. Approx.) **Min. Bulk range of discharge :** 2 Mtr. (Actual : 3.8 Mtr. Approx.) **Min. Percentage of discharge :** 85% (Actual : 94% 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	: Inverted glass jar / Soap solution
	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 :** 140 ± 10 mm : **Height :** 500 ± 10 mm Approx.
	Thickness of sheet	: Made up from 1.5 mm thick sheet
	Full weight of extinguisher	: 9.5kg (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 GTP
	Finish	: PO Red as per IS : 5 (Shade 538)
	Marking	: As per IS 15683:2018
	Approvals	: BIS & PED
	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 / BIS - ISI MARKED

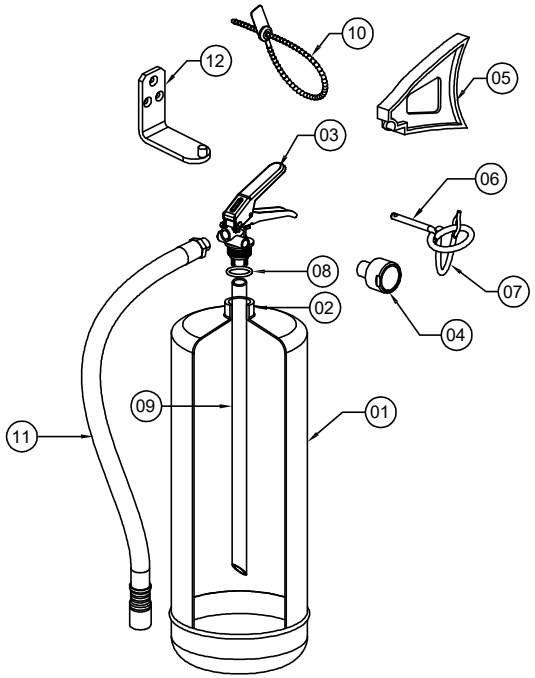
DESIGN DATA

SR. NO	PARTICULARS	DESCRIPTION
01	CAPACITY	4 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. 9 SEC. (Actual: 18 sec. aprx.)
02	BULK RANGE OF DISCHARGE	MIN. 2 METER (Actual: 3.8 meter aprx.)
03	PERCENTAGE OF DISCHARGE	NOT LESS THAN 85% (Actual: 94% aprx.)
04	FIRE RATING	55B

HARD PUNCH MARKING
INTIME YEAR PT 35 BAR CE 1128





500 mm ± 10 mm Approx.

Ø140 ± 10 mm (Approx)

SR. NO	DESCRIPTION	MATERIAL	QTY.
13	EXTINGUISHING MEDIUM	POTASSIUM BI CARBONATE (PBC) DRY POWDER CONFIRMS TO IS 4308:2019	04
12	WALL MOUNTING BRACKET	MS POWDER COATED / CHROME PLATED	01
11	HOSE WITH NOZZLE	RUBBER BRAIDED EPDM HOSE WITH PVC NOZZLE(BURST PRESSURE >55 bar)	01
10	SEAL	PP PLASTIC	01
09	SIPHON TUBE	ALUMINUM / PVC	01
08	'O' RING	NITRILE RUBBER	01
07	SAFETY PIN HOLDER	RUBBER / SOFT PVC	01
06	SAFETY PIN	MS CHROME PLATED	01
05	LEAVR LOCK	PP PLASTIC	01
04	PRESSURE GAUGE / INDICATOR	AS PER IS 15683 : 2018	01
03	VALVE	BRASS - M30 X 1.5 MALE THREADED	01
02	NECK RING	MS PIPE - M30 X 1.5 FEMALE THREADED	01
01	BODY	MS SHEET HAVING MAX. C=0.25%, P=0.05%, S=0.05% (CONFIRMS TO IS:513)	01

SYMBOL	REVISION DECRIPTION	DATE	BY

	DATE	NAME
DRAWN	22.12.22	VIJAY
CHECK	22.12.22	SHEKHAR
APP	22.12.22	AM

TITLE :

BC DRY POWDER PBC (STORED PRESSURE)
4 KG FIRE EXTINGUISHER

GAD NO. : INTIME-PBC-4-SP

INTIME FIRE APPLIANCES PVT LTD
R.O. : 21/A, Ghanshyam Industrial Estate, Veera Desai Road, Andheri (W), Mumbai - 400053. Telephone : +91 22 2673 1826/ 2673 1852/ 4601 4392
WORKS: D-24/6, TTC Industrial Area, MIDC, Turbhe, Navi Mumbai - 400705.
Telefax: 27634433 / 64512311 / 64623611.

SCALE : NTS | SHEET : 1 OF 1