DRY POWDER PBC TROLLEY MOUNTED (OUTSIDE CARTRIDGE) 50 KG FIRE EXTINGUISHER



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

Brief description: These extinguishers come with nominal charge of 50 kg dry powder, Constructed of MS Sheet by MIG Welding process and brass forged cap, Internally and Externally epoxy powder coated. As a propellant it is provided with CO2 2kg cylinder (Confirms to IS:7285).

1	**GENERAL DATA**		
	Manufacturer	:	Intime Fire Appliances Pvt. Ltd.
	Trade Mark	:	"**INTIME**"
	BIS standard code	:	IS 16018:2012
	Type	:	Mobile Trolley mounted
2	**MATERIAL OF CONSTRUCTION**		
	Extinguishing medium	:	**Potassium Bi Carbonate (PBC)** dry powder (IS 4308:2019)
	Body	:	Mild Steel Sheet as per IS:2062
	Neck Ring	:	MS Pipe confirms to IS:1239 (part-1)
	Cap	:	Brass confirms to IS:319
	Siphon tube (Inlet/Outlet)	:	MS pipe confirms to IS:3601 / IS:1239
	CO2 gas cylinder	:	2KG confirms to IS:7285
	Discharge hose with nozzle	:	PVC braided (Burst pressure ≥ 55 bar) hose & Aluminium alloy (IS:617) nozzle
	Trolley wheel	:	Solid rubber / HDPE
	Carrying handle	:	MS pipe
3	**PERFORMANCE DATA**		
	Fire rating	:	233B
	Performance requirements	:	**Min. Effective discharge time :** 30 Sec. (Actual : 40 Sec. Approx.)
		:	**Min. Bulk range of discharge :** 6 Mtr. (Actual : 7.5 Mtr. Approx.)
		:	**Min. Percentage of discharge :** 85%
	Temperature Range	:	-30° to +55° C
	Service pressure / Expansion space	:	15 bar
	Max. service pressure	:	18 bar
4	**ROUTINE TESTS**		
	Hydro Pressure Test (Pt)	:	35 bar (3.5 MPa) Hold for 120 sec.
	Min. Burst pressure (Pb) for body	:	55 bar (5.5 MPa) Hold for 60 sec.
5	**TYPE TESTS**	:	As per IS 16018:2012
6	**DIMENSIONS**	:	**Diameter :** 400 ± 10 mm
		:	**Height :** 950 ± 10 mm Approx.
	Thickness of sheet	:	Made up from 3.0 mm thick sheet
	Filler opening	:	75mm
	Full weight of extinguisher	:	110 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 16018:2012
	Approvals	:	BIS & PED
	Maintenance, care and refilling	:	As per IS 16018:2012
9	**PACKING**	:	Corrugated paper & suitable jute bags

MARKING: AS PER IS 16018 : 2012

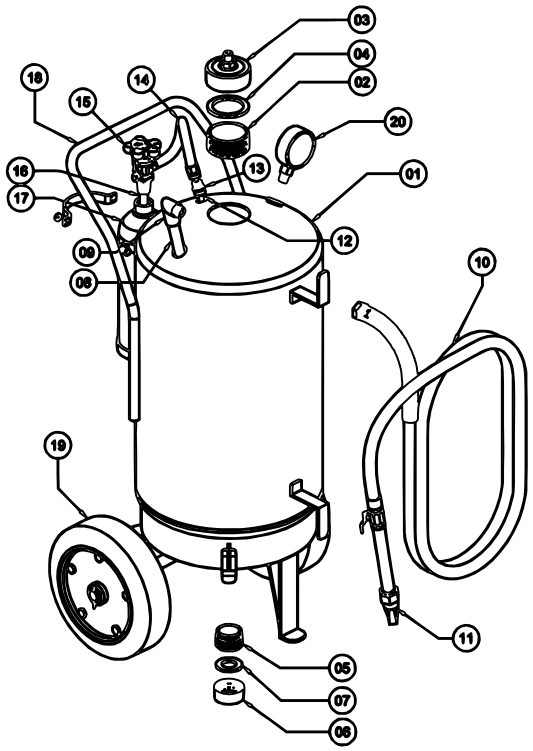
APPROVAL : BIS / PED APPROVED

DESIGN DATA

SR. NO	PARTICULARS	DESCRIPTION
01	CAPACITY	50 KG
02	TEMPERATURE RANGE	-30°C TO +55°C
03	SERVICE PRESSURE	15 bar
04	MAX. SERVICE PRESSURE	18 bar
05	PRESSURE TEST (PT)	35 bar (3.5 MPa) Hold for 120 sec.
06	MIN. BURST PRESSURE TEST (PB)	55 bar (5.5 MPa) Hold for 60 sec.

PERFORMANCE PARAMETERS

SR. NO	PARTICULARS	DESCRIPTION
01	EFFECTIVE DISCHARGE TIME	MIN. 30 SEC. (Actual: 50 sec. aprx.)
02	BULK RANGE OF DISCHARGE	MIN. 6 METER (Actual: 7.5 meter aprx.)
03	PERCENTAGE OF DISCHARGE	NOT LESS THAN 85%
04	FIRE RATING	233B





SR. NO	DESCRIPTION	MATERIAL	QTY.
20	EXTINGUISHIN MEDIUM	POTASSIUM BI CARBONATE (PBC) DRY POWDER (IS 4308:2019)	50
19	TROLLEY WHEEL	SOLID RUBBER / HDPE	02
18	CARRYING HANDALE	MS	01
17	C02 CYLINDER (2 KG)	CONFIRMS TO IS:7285 & PESO APPROVED	01
16	C02 CYLINDER SIPHON TUBE	ALUMINUM	01
15	C02 CYLINDER VALVE	BRASS CONFIRMS TO IS:3224	01
14	C02 CONNECTION HOSE	WIRE BRAIDED (BURST PRESSURE;, 275 bar)	01
13	C02 CONNECTION ADAPTER	MS	01
12	INLET SIPHON	MS PIPE AS PER IS:3601 / IS: 1239	01
11	DISCHARGE NOZZLE	ALUMINUM ALLOY AS PER IS:617	01
10	DISCHARGE HOSE	PVC BRAIDED (BURST PRESSURE ≥ 55 bar)	01
09	DISCHARGE ELBOW	MS FORGED	01
08	OUTLET SIPHON TUBE	MS PIPE AS PER IS:3601 / IS : 1239	01
07	DRAIN PLUG WASHER	RUBBER	01
06	DRAIN PLUG	BRASS - 1.5" FEMALE THREADED	01
05	DRAIN RING	MS PIPE - 1.5" MALE THREADED	01
04	CAP WASHER	RUBBER	01
03	CAP	BRASS - 3" AS PER IS:319	01
02	NECK RING	MS PIPE - 3" MALE THREADED AS PER IS:1239 PART-1	01
01	BODY	MS SHEET AS PER IS:2062	01

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

TITLE : DRY POWDER PBC TROLLEY MOUNTED
OUTSIDE CARTRIDGE 50 KG FIRE EXTINGUISHER

GAD NO. : INTIME-PBC-50-TR-OC

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SCALE : NTS | SHEET : 1 OF 1