ABC DRY POWDER MAP-90% STORED PRESSURE 4 KG FIRE EXTINGUISHER



Applicable Class of fire - A, 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	Mono Ammonium Phosphate **(MAP-90%)** 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	MS Powder coated /Chrome Plated
3	**PERFORMANCE DATA**	
	Fire rating	3A : 89B
	Performance requirements	**Min. Effective discharge time** : 9 Sec. (Actual : 17 Sec. Approx.) **Min. Bulk range of discharge** : 2 Mtr. (Actual : 4 Mtr. Approx.) **Min. Percentage of discharge** : 85% (Actual : 94% Approx.)
	Temperature Range	-30° 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 QAP
	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 / ISI MARKED

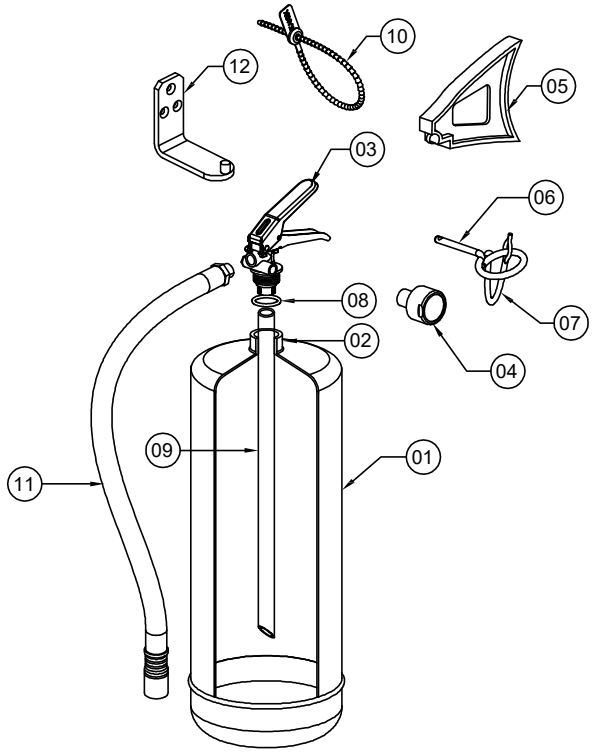
DESIGN DATA

SR. NO	PARTICULARS	DESCRIPTION
01	CAPACITY	4 KG ± 2%
02	TEMPERATURE RANGE	-30°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: 17 sec. aprx.)
02	BULK RANGE OF DISCHARGE	MIN. 2 METER (Actual: 4 meter aprx.)
03	PERCENTAGE OF DISCHARGE	NOT LESS THAN 85% (Actual: 94% aprx.)
04	FIRE RATING	3A:89B

HARD PUNCH MARKING
IN ME YEAR PT 35 BAR CE 1128





500 mm ± 10 mm Approx.

Ø140 ± 10 mm
(Approx)

SR. NO	DESCRIPTION	MATERIAL	QTY.
13	EXTINGUISHING MEDIUM	MAP 90% POWDER CONFIRMS TO IS 4308:2019	06
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	LEAVER 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

		DATE	NAME
DRAWN		22.12.22	VIJAY
CHECK		22.12.22	SHEKHAR
APP		22.12.22	AM

SYMBOL	REVISION DECRIPTION	DATE	BY

TITLE :

ABC DRY POWDER MAP-90% (STORED PRESSURE)
4 KG FIRE EXTINGUISHER

GAD NO. : INTIME-ABC-4-90%-SP

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SCALE : NTS | SHEET : 1 OF 1