DRY POWDER (MAP 40%/50%/90%) 10 KG MODULAR FIRE EXTINGUISHER

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

Brief description: These extinguishers come with nominal charge of 10 kg
Dry Powder (Map 40%/50%/90%) Constructed of MS Sheet by MIG Welding process and brass forged sprinkler type Valve, Internally & Extern epoxy powder coated.

1	**GENERAL DATA**		
	Manufacturer	:	Intime Fire Appliances Pvt. Ltd.
	Trade Mark	:	"**INTIME**"
	Type	:	Ceiling mounted automatic modular
2	**MATERIAL OF CONSTRUCTION**		
	Extinguishing medium	:	**Dry Powder (Map 40%/50%/90%) Confirming To IS:4308**
	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 forged - M30x1.5 Male threaded - Sprinkler type
	Sensing element	:	Glass bulb - 68°C
	Pressure gauge / indicator	:	As per IS 15683:2018
	Ceiling mounting stand	:	MS Powder coated
3	**PERFORMANCE DATA**		
	Performance requirements	:	Effective discharge time : 15 - 20 Sec. Approx.
		:	Height of mounting : 1.75 – 2.25 Mtr Approx.
		:	Area coverage : 4 – 4.5 M2. Approx.
		:	Volume coverage : 6 M3 (Estimated)
		:	Min. Percentage of discharge : 95%
	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	**DIMENSIONS**	:	Diameter : 300 ± 10 mm
		:	Height : 250 ± 10 mm Approx.
	Thickness of sheet	:	Made up from 1.5 mm thick sheet
	Full weight of extinguisher	:	13.8kg (Approx.)
6	**ANTI-CORROSIVE TREATMENT**	:	Phosphate treatment followed by epoxy powder coating of body DFT not less than 50 Micron
7	**MISCELLEANEOUS**		
	Inspection & testing	:	As per approved QAP
	Finish	:	PO Red as per IS : 5 (Shade 538)
	Marking	:	As per IS 15683:2018
	Approvals	:	PED
	Maintenance, care and refilling	:	As per IS 2190
8	**IN BOX ACCESSORIES**	:	Ceiling mounting bracket
9	**PACKING**	:	Corrugated boxes

MARKING: AS PER IS 15683:2018

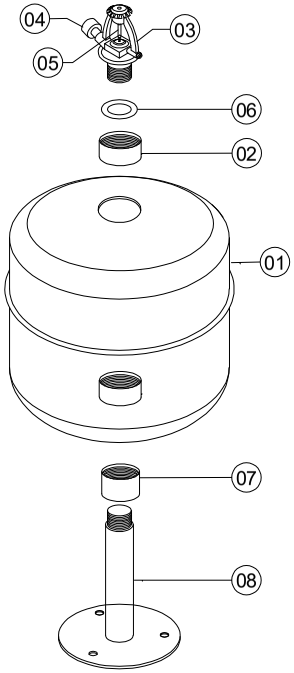
APPROVAL : PED MARKED

DESIGN DATA

SR. NO	PARTICULARS	DESCRIPTION
01	CAPACITY	10 KG
02	BULB BURST TEMPERATURE	68°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	15 - 20 sec. aprx
02	AREA COVERAGE	4 - 4.5 M2
03	VOLUME COVERAGE	6 M3 (Estimated)
04	MIN PERCENTAGE OF DISCHARGE	95%





SR. NO	DESCRIPTION	MATERIAL	QTY.
09	EXTINGUISHING MEDIUM	DRY POWDER (MAP 40%/50%/90%) CONFIRMING TO IS:4308	10
08	CEILING MOUNTING STAND	MS POWDER COATED	01
07	BOTIOM NECKRING FOR STAND	MS	01
06	"O"RING	NITRILE RUBBER	01
05	SENSING ELEMENT	GLASS BULB - 68°C	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. OF 0.25% C, 0.05% P AND 0.05% S (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 :

DRY POWDER (MAP 40%/50%/90%)
10 KG MODULAR FIRE EXTINGUISHER

GAD NO. : INTIME-DCP-10-MDLR-SP

SCALE : NTS | SHEET : 1 OF 1

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