## TECHNICAL DATASHEET

Doc. No.: INTIME-TDS- DCP-2-MDLR-SP Model Number.: DCP-2-MDLR-SP

## DRY POWDER (MAP 40%/50%/90%) 2 KG MODULAR FIRE EXTINGUISHER

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

Brief description: These extinguishers come with nominal charge of 2 kg Dry Powder (Map 40%/50%/90%), Constructed of MS Sheet by MIG Welding

process and brass forged sprinkler type Valve, Internally & Externally epoxy powder coated.

**GENERAL DATA** 

Manufacturer Intime Fire Appliances Pvt. Ltd.

Trade Mark "INTIME"

Type Ceiling mounted automatic modular

MATERIAL OF CONSTRUCTION

Extinguishing medium Dry Powder (Map 40%/50%/90%) Confirming To IS:4308

Mild Steel Sheet having Max. of 0.25% C, 0.05% P and 0.05% S (IS 513) Body

MS Pipe - M30x1.5 Female threaded **Neck Ring** 

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

PERFORMANCE DATA

Effective discharge time: 5 - 8 Sec. Approx. Performance requirements

> Height of mounting: 1.5 Mtr Approx. Area coverage: 4 – 4.5 M2. Approx. Volume coverage: 6 M3 (Estimated) Min. Percentage of discharge: 95%

-30° to +60° C Temperature Range 15 bar Service pressure Max. service pressure 18 bar

**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

Diameter: 180 ± 10 mm **DIMENSIONS** 

> Height: 200 ± 10 mm Approx. Made up from 1.5 mm thick sheet

Full weight of extinguisher 3.6kg (Approx.)

**ANTI-CORROSIVE TREATMENT** Phosphate treatment followed by epoxy powder coating of body DFT not less

than 50 Micron

**MISCELLEANEOUS** 

Thickness of sheet

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

Ceiling mounting bracket **IN BOX ACCESSORIES** 

Corrugated boxes **PACKING** 





APPROVAL: PED MARKED MARKING: AS PER IS 15683:2018

**DESIGN DATA** 

						m
06	05	04	03	02	01	SR. NO
MIN. BURST PRESSURE TEST (PB)	PRESSURE TEST (PT)	MAX. SERVICE PRESSURE	SERVICE PRESSURE	BULB BURST TEMPERATURE	CAPACITY	PARTICULARS
55 bar HOLD FOR 1 min.	35 bar HOLD FOR 2.5 min.	18 bar	15 bar	68°C	2 KG	DESCRIPTION

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SR. NO	SR. NO PARTICULARS	DESCRIPTION
01	CAPACITY	2 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

EFFECTIVE DISCHARGE TIME

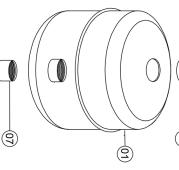
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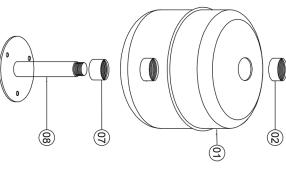
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MIN PERCENTAGE OF DISCHARGE | 95%

VOLUME COVERAGE AREA COVERAGE

6 M3 (Estimated) 4 - 4.5 M2 5 - 8 sec. aprx DESCRIPTION







09         EXTINGUISHING MEDIUM         DRY POWDER (MAP 40%/50%/90%) CONFIRMING TO IS:4308         02           08         CEILING MOUNTING STAND         MS POWDER COATED         01           07         BOTIOM NECKRING FOR STAND         MS         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           04         NECK RING         MS PIPE - M30 X 1.5 FEMALE THREADED         01           05         NECK RING         MS SHEET HAVING MAX. OF 0.25% C, 0.05% P AND 0.05% S (IS 513)         01	QTY.	MATERIAL	NO DESCRIPTION	SR. NO
EXTINGUISHING MEDIUM         DRY POWDER (MAP 40%/50%/90%) CONFIRMING TO IS:4308           CEILING MOUNTING STAND         MS POWDER COATED           BOTIOM NECKRING FOR STAND         MS           "O"RING         NITRILE RUBBER           SENSING ELEMENT         GLASS BULB - 68°C           PRESSURE GAUGE / INDICATOR         AS PER IS 15683:2018           VALVE         BRASS - M30 X 1.5 MALE THREADED           NECK RING         MS PIPE - M30 X 1.5 FEMALE THREADED	01	MS SHEET HAVING MAX. OF 0.25% C, 0.05% P AND 0.05% S (IS 513)	BODY	9
EXTINGUISHING MEDIUM  DRY POWDER (MAP 40%/50%/90%) CONFIRMING TO IS:4308  CEILING MOUNTING STAND  MS POWDER COATED  BOTIOM NECKRING FOR STAND  "O"RING  "O"RING  SENSING ELEMENT  SENSING ELEMENT  AS PER IS 15683:2018  VALVE  BRASS - M30 X 1.5 MALE THREADED	01	MS PIPE - M30 X 1.5 FEMALE THREADED		02
EXTINGUISHING MEDIUM  DRY POWDER (MAP 40%/50%/90%) CONFIRMING TO IS:4308  CEILING MOUNTING STAND  MS POWDER COATED  BOTIOM NECKRING FOR STAND  "O"RING  "O"RING  SENSING ELEMENT  GLASS BULB - 68°C  AS PER IS 15683:2018	01	BRASS - M30 X 1.5 MALE THREADED		03
EXTINGUISHING MEDIUM  DRY POWDER (MAP 40%/50%/90%) CONFIRMING TO IS:4308  CEILING MOUNTING STAND  MS POWDER COATED  BOTIOM NECKRING FOR STAND  MS  "O"RING  "O"RING  SENSING ELEMENT  GLASS BULB - 68°C	01	AS PER IS 15683:2018		04
EXTINGUISHING MEDIUM  DRY POWDER (MAP 40%/50%/90%) CONFIRMING TO IS:4308  CEILING MOUNTING STAND  MS POWDER COATED  BOTIOM NECKRING FOR STAND  MS  "O"RING  NITRILE RUBBER	01	GLASS BULB - 68°C		05
EXTINGUISHING MEDIUM DRY POWDER (MAP 40%/50%/90%) CONFIRMING TO IS:4308  CEILING MOUNTING STAND MS POWDER COATED  BOTIOM NECKRING FOR STAND MS	01	NITRILE RUBBER		90
EXTINGUISHING MEDIUM DRY POWDER (MAP 40%/50%/90%) CONFIRMING TO IS:4308  CEILING MOUNTING STAND MS POWDER COATED	01	MS		07
EXTINGUISHING MEDIUM DRY POWDER (MAP 40%/50%/90%) CONFIRMING TO IS:4308	01	MS POWDER COATED		80
	02	DRY POWDER (MAP 40%/50%/90%) CONFIRMING TO IS:4308		09

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	GAD NO.: INTIME-DCP-2-MDLR-SP	TITLE:  DRY POWDER (MAP 40%/50%/90%) 2 KG MODULAR FIRE EXTINGUISHER	BEVISION DECRIPTION			
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J		J.THADHANI & COÄ  New #12/ Old #28, Stringers Street, Chennai. 600001, Tamilnadu, India adhanisafety.com, info@thadhanisa 044 - 4852 5272	22.12.22	22.12.22	22.12.22	DATE
	SHEET: 1 OF 1	J.THADHANI & COĂ New 112/Old #28, Stringers Street, Chennal - 600001, Tamilnadu, India. www.thadhanisalety.com, infoghtadhanisalety.com,	AM	22.12.22 SHEKHAR	VIJAY	NAME
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