INTIME FIRE APPLIANCES PVT. LTD.
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An ISO 90012015 Certified Company

Document No.: DCP-XX-MDLR-SP (Sample)
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# TECHNICAL DATA SHEET

| | |
|---|---|
| Product Name | **DRY CHEMICAL POWDER MODULAR FIRE EXTINGUISHER** |
| Model Number | DCP-2-MDLR-SP DCP-5-MDLR-SP DCP-10-MDLR-SP DCP-15-MDLR-SP |
| Description | These extinguishers come with nominal charge of 2/5/10/15 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

| | | | | |
|---|---|---|---|---|
| Type | Ceiling mounted automatic modular | | | |
| Capacity (Kg) | 2 | 5 | 10 | 15 |

## MATERIAL OF CONSTRUCTION

| | |
|---|---|
| Extinguishing Medium | 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 | MS Powder coated |

## PERFORMANCE DATA

| | | | | |
|---|---|---|---|---|
| Effective discharge time (Sec. Approx.) | 5-8 | 8-12 | 15-20 | 20-25 |
| Height of mounting (M Approx.) | 1.5 | 1.5-2 | 1.75-2.25 | 2-3 |
| Area coverage ($M^2$ Approx.) | 4 - 4.5 | | | |
| Volume coverage (Estimated – $M^3$) | 6 M3 | | | |
| Min. % of discharge | 95 | | | |
| Temperature Range | -30° to +60° C | | | |
| Service Pressure | 15 bar | | | |
| 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) | 55 bar (5.5 MPa) Hold for 1 min. |
| Bulb Burst Temperature | 68° C |
| 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 |

## DIMENSIONS

| | | | | |
|---|---|---|---|---|
| Diameter (±10 mm) | 180 | 240 | 300 | 300 |
| Height (±10 mm) | 200 | 220 | 250 | 300 |
| Full Weight (Kg.) | 3.6 | 7.6 | 13.8 | 13.8 |

## TREATMENT

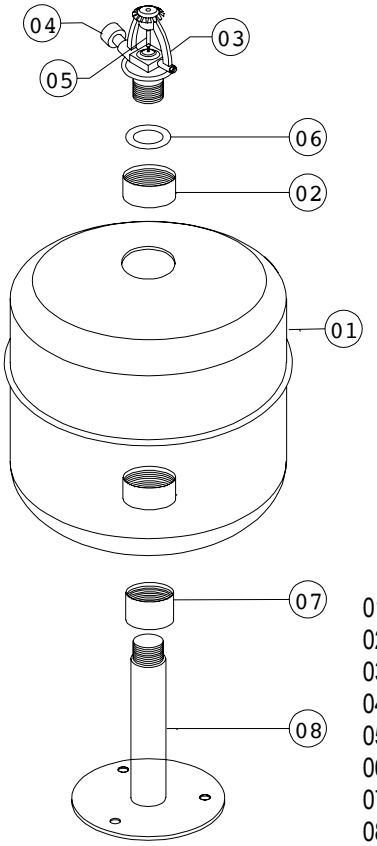
| | |
|---|---|
| Anti-Corrosive | Phosphate treatment followed by epoxy powder coating of body DFT not less than 50 Micron |

## MISCELLANEOUS

| | |
|---|---|
| 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 & Refilling | As per IS 2190 |
| In-Box Accessories | Ceiling mounting bracket |
| Packing | Corrugated boxes |

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## DESIGN DATA

01. Body
02. Neck Ring
03. Valve Brass - M30 X 1.5
04. Pressure Gauge / Indicator
05. Sensing Element
06. "O" Ring
07. Bottom Neck Ring For Stand
08. Ceiling Mounting Stand

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