# D-TYPE METAL FIRE STORED PRESSURE 4 KG FIRE EXTINGUISHER

Applicable Class of fire - D-class of fire (Metal fire)

**Brief description:** These extinguishers come with nominal charge of 4 kg Chloride based dry powder Constructed of MS Sheet by MIG Welding process and brass forged discharge Valve, Internally & External epoxy powder coated.

| | | | |
|---|---|---|---|
| **1** | **GENERAL DATA** | | |
| | Manufacturer | : | **Intime Fire Appliances Pvt. Ltd.** |
| | Trade Mark | : | ”INTIME” |
| | Type | : | Portable Stored Pressure |
| **2** | **MATERIAL OF CONSTRUCTION** | | |
| | Extinguishing medium | : | Chloride based dry powder |
| | 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 | : | PVC / Plastic |
| | Pressure gauge / indicator | : | As per IS 15683:2018 |
| | Discharge hose | : | Rubber braided EPDM hose with Dome type Aluminum nozzle ( Burst pressure 50 bar ) |
| | Discharge applicator | : | Aluminum alloy |
| | Wall mounting bracket | : | MS Chrome Plated |
| **3** | **PERFORMANCE DATA** | | |
| | Performance requirements | : | Min. Effective discharge time : 15 Sec. ( Actual : 20 Sec. Approx.) |
| | | : | Min. Percentage of discharge : 85% |
| | 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 |
| **5** | **TYPE TESTS** | : | As per IS 15683:2018 |
| **6** | **DIMENSIONS** | : | Diameter : 140 ± 5 mm |
| | | : | Height : 485 mm Approx. |
| | Thickness of sheet | : | Made up from 1.5mm |
| **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 | : | As per IS : 5 (Shade 536/538) |
| | Marking | : | As per IS 15683:2018 |
| | 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

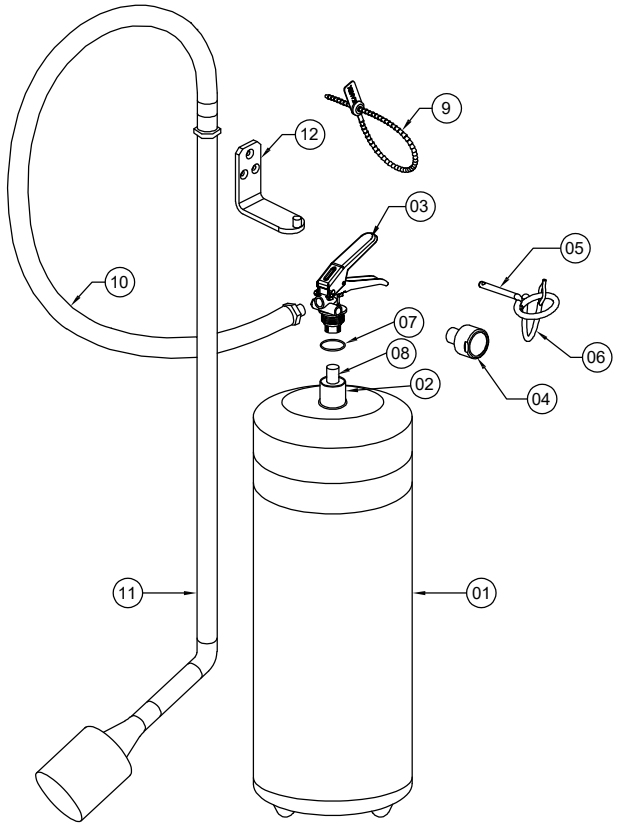
## DESIGN DATA

| SR. NO | PARTICULARS | DESCRIPTION |
|---|---|---|
| 01 | CAPACITY | 4 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 | EFFECTIVE DISCHARGE RANGE | Min. 2 Mtr |
| 03 | MIN PERCENTAGE OF DISCHARGE | NOT LESS THEN 85% |

| HARD PUNCH MARKING |
|---|
| INTIME ISI YEAR PT 35 BAR CE 1128 |







| SR. NO | DESCRIPTION | MATERIAL | QTY. |
|---|---|---|---|
| 13 | EXTINGUISHING MEDIUM | CHLORIDE BASED DRY POWDER | 04 |
| 12 | WALL MOUNTING BRACKET | MS POWDER COATED | 01 |
| 11 | DISCHARGE APPLICATOR | ALUMINUM ALLOY 6063:T6 | 01 |
| 10 | DISCHARGE HOSE | RUBBER BRAIDED EPDM HOSE WITH PVC NOZZLE(BURST PRESSURE ≥ 55 bar) | 01 |
| 09 | SEAL | PP PLASTIC | 01 |
| 08 | SIPHON TUBE | PVC / PLASTIC | 01 |
| 07 | "O"RING | NITRILE RUBBER | 01 |
| 06 | SAFETY PIN HOLDER | RUBBER / SOFT PVC | 01 |
| 05 | SAFETY PIN | SS | 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 |

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

TITLE :
D-TYPE METAL FIRE (STORED PRESSURE)
4 KG FIRE EXTINGUISHER

GAD NO. : INTIME-D TYPE-4-SP


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SCALE : NTS | SHEET : 1 OF 1