# BC DRY POWDER SBC STORED PRESSURE 9 KG FIRE EXTINGUISHER




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

Brief description: These extinguishers come with nominal charge of 9 kg dry powder, Constructed of MS Sheet by MIG Welding process and brass forged discharge Valve, Internally and 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 | : | Sodium Bi Carbonate **(SBC)** 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 | : | 144B |
| | Performance requirements | : | **Min. Effective discharge tim**e : 15 Sec. ( Actual : 24 Sec. Approx.) |
| | | : | **Min. Bulk range of discharge** : 2 Mtr. ( Actual : 5 Mtr. Approx.) |
| | | : | **Min. Percentage of discharge** : 85% ( Actual : 94% Approx.) |
| | Temperature Range | : | -20° 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** : 180 ± 10 mm |
| | | : | **Height** : 590 ± 10 mm Approx. |
| | Thickness of sheet | : | Made up from 1.5 mm |
| | Full weight of extinguisher | : | 14.5 kg (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 / BIS - ISI MARKED

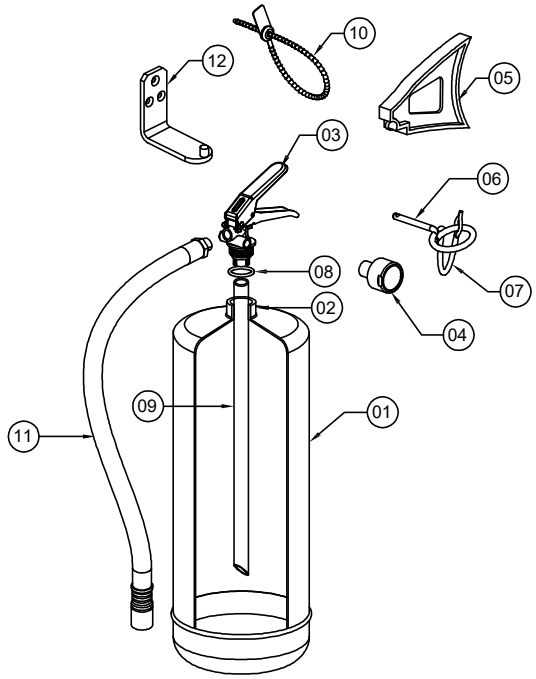
DESIGN DATA

| SR. NO | PARTICULARS | DESCRIPTION |
|---|---|---|
| 01 | CAPACITY | 9 KG ± 2% |
| 02 | TEMPERATURE RANGE | -20°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. 15 SEC. (Actual: 24 sec. aprx.) |
| 02 | BULK RANGE OF DISCHARGE | MIN. 2 METER (Actual: 5 meter aprx.) |
| 03 | PERCENTAGE OF DISCHARGE | NOT LESS THAN 85% (Actual: 94% aprx.) |
| 04 | FIRE RATING | 144B |

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







590 mm ± 10 mm Approx.

Ø180 ± 10 mm
(Approx)

| | | | |
|---|---|---|---|
| 13 | EXTINGUISHING MEDIUM | SODIUM BI CARBONTE POWDER CONFIRMS TO IS 4308:2019 | 09 |
| 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 | LEAVR 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% | 01 |
| SR. NO | DESCRIPTION | MATERIAL | QTY. |

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

TITLE :

**BC DRY POWDER SODIUM BI CARBONATE (STORED PRESSURE) 9 KG FIRE EXTINGUISHER**

GAD NO. : INTIME-SBC-9-SP


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SCALE : NTS | SHEET : 1 OF 1