

### PRODUCT OVERVIEW

- ✓ **Brand:** Safex
- ✓ **Model Number:** 1-MPBC90
- ✓ **Extinguisher Type:** BC Stored Pressure (Portable)
- ✓ **Capacity:** 1 KG
- ✓ **Fire Classification:** Class B C
- ✓ **Fire Rating:** 21B
- ✓ **Coverage Area:** 2.5 Meters for 8 sec.
- ✓ **Compliance Standards:** IS 15683:2018

### STANDARD MATERIALS OF CONSTRUCTION

| No | Component            | Material                                                                   |
|----|----------------------|----------------------------------------------------------------------------|
| 1  | Cylinder             | 1.5mm Low Carbon Steel Sheet                                               |
| 2  | Valve                | Brass Forged                                                               |
| 3  | Nozzle               | PVC Nozzle                                                                 |
| 4  | O-Ring               | Rubber                                                                     |
| 5  | Plunger              | Brass                                                                      |
| 6  | Spring               | Steel                                                                      |
| 7  | Pressure gauge       | Brass                                                                      |
| 8  | Syphon tube          | Plastic                                                                    |
| 9  | Charge               | Dry chemical powder as per IS:4308 (Potassium bi carbonate)<br>UL Approved |
| 10 | Handle & Lever       | Mild Steel                                                                 |
| 11 | External Coating     | ULTRACOAT EP POLY (PO Red Shade 538)                                       |
| 12 | Corrosion Resistance | Anti-Corrosive Epoxy Coating Applied after Shot blasting                   |
| 13 | Wall Bracket         | MS Powder coating                                                          |



### PERFORMANCE & ROUTING TEST

|                                  |                                |
|----------------------------------|--------------------------------|
| Minimum Discharge Duration       | 85% minimum within 12sec.      |
| Effective Discharge Reach        | 2meters(min)<br>2.5meters(max) |
| Hydraulic pressure test          | 36 KGF/CM <sup>2</sup>         |
| Bursting pressure test           | 57 KGF/CM <sup>2</sup>         |
| Working pressure                 | 15 KGF/CM <sup>2</sup>         |
| Operating Temperature Range      | -30°C to +60°C                 |
| Type Test: As per IS: 15683:2018 |                                |

## Testing & Quality Assurance

- Hydrostatic Pressure Evaluation IS15683:2018
- Leakage Integrity Assessment
- Burst Pressure Endurance Test (57 CM<sup>2</sup>)
- Corrosion Resistance & Durability Check
- Inspection as per Approved QAP
- Testing lab for UL/ISI fire rating

## Certifications & Compliance Approvals

- IS 15683:2018 Certification
- BIS Regulatory Endorsement
- ISO 9001:2015 Accreditation
- CE Mark Conformity
- Eco-Friendly & Safe for Enclosed Spaces

## Maintenance & Serviceability

- **Inspection & Testing Frequency:**
- **Scheduled Maintenance:**
- **Refilling Interval:**
- **Operational Lifespan:**

## Operational Guidelines (PASS)

- Disengage the Safety Pin
- Direct the Nozzle at Fire Base
- Activate by Squeezing the Handle
- Execute Sweeping Motion for Maximum Coverage

## Packaging & Storage Recommendations

### Packaging Type:

Corrugated Paper box

### Ideal Storage Environment:

Cool & Dry Conditions

As per IS Standards 2190  
Annual Servicing Recommended  
Every 5 Years  
10 Years (Under Optimal Storage Conditions)

## Physical Dimensions & Weight

| Specification     | Details        |
|-------------------|----------------|
| Height            | 310 ± 10 mm    |
| Cylinder Diameter | 86 ± 5 mm      |
| Empty Weight      | Approx. 1.1 kg |
| Filled Weight     | Approx. 2.1 kg |