

PRODUCT OVERVIEW

- ✓ **Brand:** Safex
- ✓ **Model Number:** 2-MPBC90
- ✓ **Extinguisher Type:** BC Stored Pressure (Portable)
- ✓ **Capacity:** 2 KG
- ✓ **Fire Classification:** Class B C
- ✓ **Fire Rating:** 34B
- ✓ **Coverage Area:** 3 Meters for 13 sec. Minimum
- ✓ **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) 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 Externally after Shot blasting
13	Wall bracket	MS coated



PERFORMANCE & ROUTING TEST

Minimum Discharge Duration	85% minimum within 16sec.
Effective Discharge Reach	3 meters
Hydraulic pressure test	36 KGF/CM ²
Bursting pressure test	57 KGF/CM ²
Working pressure	15 KGF/CM ²
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 CM²)
- ✓ 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:**

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

Physical Dimensions & Weight

Specification	Details
Height	350 ± 10 mm
Cylinder Diameter	108 ± 5 mm
Empty Weight	Approx. 1.4 kg
Filled Weight	Approx. 3.4 kg

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