

### PRODUCT OVERVIEW

- ✓ **Brand:** Safex
- ✓ **Model Number:** 50-MACEOC90
- ✓ **Extinguisher Type:** ABC Outside Cartridge
- ✓ **Capacity:** 50 KG
- ✓ **Fire Classification:** Class A B C
- ✓ **Fire Rating:** 20A 233B
- ✓ **Coverage Area:** 6 Meters for 30 sec. Minimum
- ✓ **Compliance Standards:** IS 16018:2012

### STANDARD MATERIALS OF CONSTRUCTION

No	Component	Material
1	Cylinder	4mm Low Carbon Steel Sheet IS:2062
2	Cap	Brass
3	CO <sub>2</sub> cylinder	2kgs capacity with manufacturing & explosive certificate.
4	Hose for CO <sub>2</sub>	Braided hose, burst pressure 275 KGF/CM <sup>2</sup>
5	(O-ring)	Rubber IS :5382 Type 3
6	Neck Ring	Seamless Mild Steel
7	Discharge hose	PVC 5 metre Bursting pressure 50 cm <sup>2</sup>
8	Syphon tube	Mild Steel
9	Drain Plug	Brass
10	Nozzle	Aluminium IS:733
11	Trolley wheel	Wheel with solid fibre type 300x75x25mm
12	Charge	Dry chemical powder as per IS:4308 (MAP 90%)
13	External coating	ULTRACOAT EP POLY (PO Red Shade 538)
14	Corrosion Resistance	Anti-Corrosive Epoxy Coating Applied Externally after Phosphating.



### PERFORMANCE & ROUTINE TEST

Minimum Discharge Duration	90% minimum within 30sec.
Effective Discharge Reach	6 meters
Hydraulic pressure test	36 KGF/CM <sup>2</sup>
Bursting pressure test	57 KGF/CM <sup>2</sup>
Operating Temperature Range	-30°C to +55°C
Service Pressure	15 KGF/CM <sup>2</sup>
Type Test as per IS: 16018:2012	

## Testing & Quality Assurance

- Hydrostatic Pressure Evaluation IS 16018:2012
- 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 16018 Certification
- BIS Regulatory Endorsement
- ISO 9001:2015 Accreditation
- 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 rotating the valve on top then opening the ball valve.
- 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 3 Years  
 10 Years (Under Optimal Storage Conditions)

## Physical Dimensions

Specification	Details
Height	950 ± 10 mm
Cylinder Diameter	400 ± 10 mm