

PRODUCT OVERVIEW

- ✓ **Brand:** Safex
- ✓ **Model Number:** 25-MACEIC50
- ✓ **Extinguisher Type:** ABC Inside Cartridge
- ✓ **Capacity:** 25 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	Plunger	Brass
4	Piercer	Stainless Steel
5	(O-ring)	Rubber
6	Neck Ring	Seamless Mild Steel
7	Discharge hose	PVC 3 metre Bursting pressure 50 cm ²
8	Syphon tube	Mild Steel
9	Safety Valve	Brass
10	Nozzle	Aluminium (IS:733)
11	Gas Cartridge	300 GMS IS:4947
12	Trolley wheel	Wheel with solid fibre type 250x50x25mm
13	Charge	Dry chemical powder as per IS:4308 (MAP 50%)
14	External coating	ULTRACOAT EP POLY (PO Red Shade 538)
15	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 ²
Bursting pressure test	57 KGF/CM ²
Working pressure	15 KGF/CM ²
Operating Temperature Range	-30°C to +55°C
Service Pressure	15 KGF/CM ²
Type Test as per IS: 16018:2012	

Testing & Quality Assurance

- Hydrostatic Pressure Evaluation IS 16018:2012
- 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

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

Certifications & Compliance Approvals

- IS 16018 Certification
- BIS Regulatory Endorsement
- ISO 9001:2015 Accreditation
- CE Mark Conformity
- Eco-Friendly & Safe for Enclosed Spaces

Packaging & Storage Recommendations

- Packaging Type:**
Corrugated Paper box
- Ideal Storage Environment:**
Cool & Dry Conditions

Maintenance & Serviceability

- **Inspection & Testing Frequency:** As per IS Standards 2190
- **Scheduled Maintenance:** Annual Servicing Recommended
- **Refilling Interval:** Every 5 Years
- **Operational Lifespan:** 10 Years (Under Optimal Storage Conditions)

Physical Dimensions

Specification	Details
Height	800 ± 10 mm
Cylinder Diameter	300 ± 10 mm