

PRODUCT OVERVIEW

- ✓ **Brand:** Safex
- ✓ **Model Number:** 50-MACESP
- ✓ **Extinguisher Type:** ABC Stored Pressure
- ✓ **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	Body	Mild Steel plate of 4mm thick (IS: 2062)
2	Valve	Brass
3	O-ring	Rubber
4	Neck Ring	Seamless Mild Steel
5	Discharge hose	PVC 5 metre Bursting pressure 50 cm ²
6	Syphon tube	Mild Steel
7	Drain Plug	Brass
8	Nozzle	Aluminium (IS:733)
9	Trolley wheel	Wheel with solid fibre type 250x50x25mm
10	Charge	Dry chemical powder as per IS:4308 (Mono Ammonium Phosphate)
11	External coating	ULTRACOAT EP POLY (PO Red Shade 538)
12	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
Operating Temperature Range	-30°C to +55°C
Working 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

Certifications & Compliance Approvals

- IS 16018 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 opening the ball valves.
- Execute Sweeping Motion for Maximum Coverage

Packaging & Storage Recommendations

Packaging Type:

Corrugated Paper box

Ideal Storage Environment:

Cool & Dry Condition

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

Physical Dimensions

Specification	Details
Height	1000 ± 10 mm
Cylinder Diameter	400 ± 10 mm