

## PRODUCT OVERVIEW

- ✓ **Brand:** Safex
- ✓ **Model Number:** 1-MA90
- ✓ **Extinguisher Type:** ABC Stored Pressure (Portable)
- ✓ **Capacity:** 1 KG
- ✓ **Fire Classification:** Class A B C
- ✓ **Fire Rating:** 1A 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 (MAP 90%)
10	Handle & Lever	Mild Steel
11	External Coating	ULTRACOAT EP POLY (PO Red Shade 538) IS: 5
12	Corrosion Resistance	Anti-Corrosive Epoxy Coating Applied after Shot blasting (External)
13	Wall Bracket	M.S Powder coated



## PERFORMANCE & ROUTING TEST

Minimum Discharge Duration	85% minimum within 12sec.
Effective Discharge Reach	2meters(min) 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