

PRODUCT OVERVIEW

- ✓ **Brand:** Safex
- ✓ **Model Number:** 6-MASG90
- ✓ **Extinguisher Type:** ABC Squeeze Grip (Portable)
- ✓ **Capacity:** 6 KG
- ✓ **Fire Classification:** Class A B C
- ✓ **Fire Rating:** 4A 89B
- ✓ **Coverage Area:** 4.5 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 & Discharge fitting	M.S Nozzle and M.S Fitting
4	Hose	Braided PVC 500mm (Burst pressure- 50 KgF/cm ²)
5	O-Ring	Rubber
6	Plunger	Brass
7	Spring	Steel
8	Pressure gauge	Brass
9	Syphon tube Outlet	PVC
10	Syphon tube Inlet	Aluminium
11	Neck Ring	Mild Steel Pipe
12	Check nut	Brass
13	CO ₂ Gas Cartridge	Mild Steel IS:4947
14	Cartridge Holder	Brass
15	Charge	Dry chemical powder as per IS:4308 (MAP 90%)
16	Piercer	Stainless Steel
17	Handle & Lever	Mild Steel
18	External coating	ULTRACOAT EP POLY (PO Red Shade 538)
19	Corrosion Resistance	Anti-Corrosive Epoxy Coating Applied Externally after Shot blasting
20	Wall Bracket	MS powder coated

PERFORMANCE & ROUTINE TEST

Minimum Discharge Duration	85% minimum within 25sec.
Effective Discharge Reach	4.5 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 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	510 ± 10 mm
Filler Opening	63mm
Cylinder Diameter	160 ± 5 mm
Empty Weight	Approx. 4.1 kg
Filled Weight	Approx. 10.1 kg