

PRODUCT OVERVIEW

✓ Brand:	Safex
✓ Model Number:	1-AA90
✓ 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	1.2mm Aluminium 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)
12	Corrosion Resistance	Anti-Corrosive Epoxy Coating Applied Externally after Shot blasting
13	Wall Bracket	MS powder coated

PERFORMANCE & ROUTINE TEST

Minimum Discharge Duration	85% minimum within 12sec.
Effective Discharge Reach	2 meters(min) 2.5meters(max)
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
- ✓ CE Mark Conformity
- ✓ Eco-Friendly & Safe for Enclosed Spaces

Maintenance & Serviceability

- **Inspection & Testing Frequency:**
- **Scheduled Maintenance:**
- **Refilling Interval:**
- **Operational Lifespan:**

Operational Guidelines

- 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. 0.55 kg
Filled Weight	Approx. 1.55 kg