

PRODUCT OVERVIEW

- ✓ **Brand:** Safex
- ✓ **Model Number:** 1-AA40
- ✓ **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 40%)
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