(1-AA50) - Datasheet

ABC-Stored-Pressure-1-Kg-Fire-Extinguisher

PRODUCT OVERVIEW

- **Brand:** Safex
- **Model Number:** 1-AA50
- **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 50%)
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	2meters(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 CM^2)
- ☑ **Corrosion Resistance & Durability Check**
- ☑ **Inspection as per approved QAP**
- ☑ **Testing lab for UL/ISI fire rating**

Operational Guidelines

- Disengage the Safety Pin
- Direct the Nozzle at Fire Base
- Activate by Squeezing the Handle
- Execute Sweeping Motion for Maximum Coverage

Certifications & Compliance Approvals

- ☑ IS 15683:2018 Certification
- ☑ BIS Regulatory Endorsement
- ☑ ISO 9001:2015 Accreditation
- ☑ CE Mark Conformity
- ☑ Eco-Friendly & Safe for Enclosed Spaces

Packaging & Storage Recommendations

☑ **Packaging Type:**

Corrugated Paper box

☑ **Ideal Storage Environment:**

Cool & Dry Conditions

Maintenance & Serviceability

- **Inspection & Testing Frequency:** As per IS Standards 2190
- **Scheduled Maintenance:** Annual Servicing Recommended
- **Refilling Interval:** Every 5 Years
- **Operational Lifespan:** 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