# (9-AA50) - Datasheet

**ABC-Stored-Pressure-9-Kg-Fire-Extinguisher**

## PRODUCT OVERVIEW

- **Brand:** Safex
- **Model Number:** 9-AA50
- **Extinguisher Type:** ABC Stored Pressure (Portable)
- **Capacity:** 9 KG
- **Fire Classification:** Class A B C
- **Fire Rating:** 6A 183B
- **Coverage Area:** 5.5 Meters for 13 sec. Minimum
- **Compliance Standards:** IS 15683:2018

## STANDARD MATERIALS OF CONSTRUCTION

| No | Component | Material |
|---|---|---|
| 1 | Cylinder | 2.5mm Aluminium Sheet |
| 2 | Valve | Brass Forged |
| 3 | Nozzle | M.S Nozzle |
| 4 | Hose | Braided PVC (Burst pressure- 50 $cm^2$) |
| 5 | O-Ring | Rubber |
| 6 | Plunger | Brass |
| 7 | Spring | Steel |
| 8 | Pressure gauge | Brass |
| 9 | Syphon tube | Plastic |
| 10 | Charge | Dry chemical powder as per IS:4308 (MAP 50%) |
| 11 | Handle & Lever | Mild Steel |
| 12 | External coating | ULTRACOAT EP POLY (PO Red Shade 538) |
| 13 | Corrosion Resistance | Anti-Corrosive Epoxy Coating Applied Externally after Shot blasting |
| 14 | Wall Bracket | MS powder coated |

## PERFORMANCE & ROUTINE TEST

| | |
|---|---|
| Minimum Discharge Duration | 85% minimum within 30sec. |
| Effective Discharge Reach | 5.5 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 $CM^2$)
- ☑ **Corrosion Resistance & Durability Check**
- ☑ **Testing lab for UL/ISI fire rating**

## Operational Guidelines (PASS)

- 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
- ☑ 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** | 590 ± 10 mm |
| **Cylinder Diameter** | 185 ± 5 mm |
| **Empty Weight** | Approx. 2.2 kg |
| **Filled Weight** | Approx. 11.2 kg |