

PRODUCT OVERVIEW

- ✓ **Brand:** Safex
- ✓ **Model Number:** 4-MA40
- ✓ **Extinguisher Type:** ABC Stored Pressure (Portable)
- ✓ **Capacity:** 4 KG
- ✓ **Fire Classification:** Class A B C
- ✓ **Fire Rating:** 3A 55B
- ✓ **Coverage Area:** 4 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 (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 40%) |
| 11 | Handle & Lever | Mild Steel |
| 12 | External coating | ULTRACOAT EP POLLY (PO Red Shade 538) |
| 13 | Corrosion Resistance | Anti-Corrosive Epoxy Coating Applied Externally after Shot blasting |
| 14 | Wall Bracket | MS Powder coating |

PERFORMANCE & ROUTINE TEST

| | |
|---------------------------------|---------------------------|
| Minimum Discharge Duration | 85% minimum within 20sec. |
| Effective Discharge Reach | 4 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
- CE Mark Conformity
- 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 | 480 ± 10 mm |
| Cylinder Diameter | 130 ± 5 mm |
| Empty Weight | Approx. 2.2 kg |
| Filled Weight | Approx. 6.2 kg |