

PRODUCT OVERVIEW

- ✓ **Brand:** Safex
- ✓ **Extinguisher Type:** Water (Squeeze grip)
- ✓ **Capacity:** 9 LTR
- ✓ **Fire Classification:** Class A
- ✓ **Fire Rating:** 3A
- ✓ **Coverage Area:** 2 Meters for 13 sec. Minimum
- ✓ **Compliance Standards:** IS 15683:2018

STANDARD MATERIALS OF CONSTRUCTION

| No | Component | Material |
|----|-------------------------------|--|
| 1 | Cylinder | 1.5 mm Low mild Steel |
| 2 | Valve | Brass Forged – CE with NRV and safety release valve |
| 3 | Nozzle & Discharge fitting | PVC Nozzle and M.S Fitting |
| 4 | Hose | 600 mm Braided PVC (Burst pressure- 50 cm ²) |
| 5 | Neck Ring | MS |
| 6 | Plunger | Brass |
| 7 | Spring | Steel |
| 8 | CO ₂ Gas cartridge | Mild steel |
| 9 | Cartridge holder | Brass |
| 10 | Washer O ring | Rubber |
| 11 | Syphon tube | PVC |
| 12 | Handle & Lever | Mild Steel (Upper and lower for squeezing) |
| 13 | Check nut | Brass |
| 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 | 5°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
- Eco-Friendly & Safe for Enclosed Spaces

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 |
| Filter opening | 63 mm |
| Empty Weight | Approx. 5.2 kg |
| Filled Weight | Approx. 14.2 kg |

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