

### PRODUCT OVERVIEW

- ✓ **Brand:** Safex
- ✓ **Extinguisher Type:** Water mist (Stored pressure)
- ✓ **Capacity:** 4 LTR
- ✓ **Fire Classification:** Class A B F
- ✓ **Fire Rating:** 2A 55B 15F
- ✓ **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 – CE with NRV and safety release valve
3	Nozzle & Discharge fitting	Plastic Nozzle and M.S Fitting
4	Hose	Braided PVC (Burst pressure- 50 cm <sup>2</sup> )
5	O-Ring	Rubber
6	Plunger	Brass
7	Spring	Steel
8	Pressure gauge	Brass
9	Syphon tube	Plastic
10	Charge	Wet chemicals (suitable for kitchen fire, F class fire)
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 <sup>2</sup>
Bursting pressure test	57 KGF/CM <sup>2</sup>
Working pressure	15 KGF/CM <sup>2</sup>
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 CM<sup>2</sup>)
- Corrosion Resistance & Durability Check
- Inspection as per approved QAP
- 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
- 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	480 ± 10 mm
Cylinder Diameter	160 ± 5 mm
Empty Weight	Approx. 2.6 kg
Filled Weight	Approx. 6.6 kg