

### PRODUCT OVERVIEW

- ✓ **Brand:** Safex
- ✓ **Extinguisher Type:** Water (Inside Cartridge)
- ✓ **Capacity:** 45 LTR
- ✓ **Fire Classification:** Class A
- ✓ **Fire Rating:** 20A
- ✓ **Coverage Area:** 6 Meters for 13 sec. Minimum
- ✓ **Compliance Standards:** IS 16018:2012

### STANDARD MATERIALS OF CONSTRUCTION

No	Component	Material
1	Cylinder	4mm Low Carbon Steel Sheet
2	Cap	Brass
3	Nozzle & Discharge fitting	PVC nozzle & MS fittings
4	Hose	4m Braided PVC (Burst pressure- 50 cm <sup>2</sup> )
5	Neck Ring	Seamless MS
6	Plunger	Brass
7	Spring	Steel
8	Piercer	Stainless steel
9	Gas cartridge	300 gms (IS:4947)
10	Cartridge holder and sealing device	Brass
11	External coating	ULTRACOAT EP POLLY (PO Red Shade 538)
12	Corrosion Resistance	Anti-Corrosive Epoxy Coating Applied Externally after Shot blasting
13	Wheel type	Wheel with solid fibre type



### PERFORMANCE & ROUTINE TEST

Minimum Discharge Duration	85% minimum within 20sec.
Effective Discharge Reach	6 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: 16018:2012	

## Testing & Quality Assurance

- Hydrostatic Pressure Evaluation IS16018:2012**
- 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 16018:2012 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

Specification	Details
Height	1000 ± 10 mm
Cylinder Diameter	300 + 10 mm