

### PRODUCT OVERVIEW

- ✓ **Brand:** Safex
- ✓ **Model Number:** 45-MMF3
- ✓ **Extinguisher Type:** M. Foam Inside Cartridge
- ✓ **Capacity:** 45 LTR
- ✓ **Fire Classification:** Class A B
- ✓ **Fire Rating:** 20A 233B
- ✓ **Coverage Area:** 6 Meters for 30 sec. Minimum
- ✓ **Compliance Standards:** IS 16018

### STANDARD MATERIALS OF CONSTRUCTION

No	Component	Material
1	Cylinder	4mm Low Carbon Steel Sheet
2	Cap	Brass
3	Washer	Rubber (IS:5382 Type 3)
4	Piercer	Stainless Steel
5	Neck Ring	Seamless Mild Steel
6	Discharge Hose	PVC 4 Mtr. Bursting pressure: 50 KGF/ CM <sup>2</sup>
7	Syphon Tube	Mild Steel
8	Plunger	Brass
9	Nozzle	PVC
10	Cartridge Holder & Sealing device	Brass
11	Gas Cartridge	300 GMS ( IS: 4947)
12	Spring	Steel
13	Safety Valve	Brass
14	Charge	AFFF 3% - 1.35 ltr (IS: 4989)
15	External coating	ULTRACOAT EP POLY (PO Red Shade 538)
16	Corrosion Resistance	Anti-Corrosive Epoxy Coating Applied Externally after Phosphating



### PERFORMANCE & ROUTINE TEST

Minimum Discharge Duration	90% minimum within 60sec.
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 +55°C
Type Test as per IS:16018	

## Testing & Quality Assurance

- Hydrostatic Pressure Evaluation IS 16018
- 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

## Certifications & Compliance Approvals

- IS 16018 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:**

As per IS Standards 2190  
Annual Servicing Recommended  
Every 3 Years  
10 Years (Under Optimal Storage Conditions)

## Physical Dimensions

Specification	Details
Height	1000 ± 10 mm
Cylinder Diameter	300 ± 5 mm

## 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

### PRODUCT OVERVIEW

- ✓ **Brand:** Safex
- ✓ **Model Number:** 45-MMF6
- ✓ **Extinguisher Type:** M. Foam Inside Cartridge
- ✓ **Capacity:** 45 LTR
- ✓ **Fire Classification:** Class A B
- ✓ **Fire Rating:** 20A 233B
- ✓ **Coverage Area:** 6 Meters for 30 sec. Minimum
- ✓ **Compliance Standards:** IS 16018

### STANDARD MATERIALS OF CONSTRUCTION

No	Component	Material
1	Cylinder	4mm Low Carbon Steel Sheet
2	Cap	Brass
3	Washer	Rubber (IS:5382 Type 3)
4	Piercer	Stainless Steel
5	Neck Ring	Seamless Mild Steel
6	Discharge Hose	PVC 4 Mtr. Bursting pressure 50 KGF/ CM <sup>2</sup>
7	Syphon Tube	Mild Steel
8	Plunger	Brass
9	Nozzle	PVC
10	Cartridge Holder & Sealing device	Brass
11	Gas Cartridge	300 GMS (IS: 4947)
12	Spring	Steel
13	Safety Valve	Brass
14	Charge	AFFF 6% - 2.7 ltr (IS: 4989)
15	External coating	ULTRACOAT EP POLY (PO Red Shade 538)
16	Corrosion Resistance	Anti-Corrosive Epoxy Coating Applied Externally after Phosphating



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