

PRODUCT OVERVIEW

- ✓ **Brand:** Safex
- ✓ **Model Number:** 22-SCOWH
- ✓ **Extinguisher Type:** CO₂ (Trolley)
- ✓ **Capacity:** 22.5 KG
- ✓ **Fire Classification:** Class B C
- ✓ **Fire Rating:** 89B
- ✓ **Coverage Area:** 2 Meters for 15 sec. Minimum
- ✓ **Compliance Standards:** IS 16018:2012

STANDARD MATERIALS OF CONSTRUCTION

No	Component	Material
1	Cylinder	Seamless pipe conforming to IS: 7285, ISI marked
2	Discharge Valve	Wheel Type (Conforming to IS: 3224) ISI marked
3	Syphon tube	Aluminium conforming to IS:1285
4	Discharge Horn	Non-conductor of electricity like polyethylene fibre glass
5	CO ₂ Gas	As per IS: 15222
6	Hose	High pressure hose 2-meter, bursting pressure 275 cm ² min. with ball valve
7	External coating	ULTRACOAT EP POLY (PO Red Shade 538) IS:5



PERFORMANCE & ROUTINE TEST

Minimum Discharge Duration	95% minimum within 40sec.
Effective Discharge Reach	2 meters (minimum)
Test pressure of the body	250 KGF/CM ²
Working pressure (PESO approved)	60 KGF/CM ²
Operating Temperature Range	-30°C to +55°C
Type Test as per IS: 16018:2012	

Testing & Quality Assurance

- Hydrostatic Pressure Evaluation IS 16018:2012
- Leakage Integrity Assessment
- Burst Pressure Endurance Test
- Corrosion Resistance & Durability Check
- Inspection as per approved QAP
- Testing lab for UL/ISI fire rating

Operational Guidelines

- Disengage the Safety Pin
- Direct the Nozzle at Fire Base
- Activate by Rotating the Valve - Open
- Execute Sweeping Motion for Maximum Coverage

Certifications & Compliance Approvals

- IS 16018 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:** 15 Years (Under Optimal Storage Conditions)

Physical Dimensions & Weight

Specification	Details
Height	1120 ± 10 mm
Cylinder Diameter	230 ± 5 mm
Empty Weight	Approx. 50.5 kg
Filled Weight	Approx. 73 kg