(9-MSGSBC90) - Datasheet

BC-Squeeze Grip-9-Kg-Fire-Extinguisher

PRODUCT OVERVIEW

- **Brand:** Safex
- **Model Number:** 9-MSGBC90
- **Extinguisher Type:** BC Squeeze Grip (Portable)
- **Capacity:** 9 KG
- **Fire Classification:** Class B C
- **Fire Rating:** 233B
- **Coverage Area:** 5.5 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
3	Nozzle & Discharge fitting	M.S Nozzle and M.S Fitting
4	Hose	Braided PVC 500mm (Burst pressure- 50 KgF/cm^2)
5	O-Ring	Rubber
6	Plunger	Brass
7	Spring	Steel
8	Syphon tube Outlet	PVC
9	Syphon tube Inlet	Aluminium
10	Neck Ring	Mild Steel Pipe
11	Check nut	Brass
12	CO_2 Gas Cartridge	Mild Steel IS:4947
13	Cartridge Holder	Brass
14	Charge	Dry chemical powder as per IS:4308 (SBC)
15	Piercer	Stainless Steel
16	Handle & Lever	Mild Steel
17	External coating	ULTRACOAT EP POLY (PO Red Shade 538)
18	Corrosion Resistance	Anti-Corrosive Epoxy Coating Applied Externally after Shot blasting
19	Wall bracket	MS powder coated

PERFORMANCE & ROUTINE TEST

Minimum Discharge Duration	85% minimum within 25sec.
Effective Discharge Reach	5.5 meters
Hydraulic pressure test	36 KGF/CM^2
Bursting pressure test	57 KGF/CM^2
Working pressure	15 KGF/CM^2
Operating Temperature Range	-30°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^2)
- ☑ **Corrosion Resistance & Durability Check**
- ☑ **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
- ☑ 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 3 Years
- **Operational Lifespan:** 10 Years (Under Optimal Storage Conditions)

Physical Dimensions & Weight

Specification	Details
Height	590 ± 10 mm
Filler Opening	63mm
Cylinder Diameter	185 ± 5 mm
Empty Weight	Approx. 5.2 kg
Filled Weight	Approx. 14.2 kg