

## ABC OUTSIDE CARTRIDGE 50KG FIRE EXTINGUISHER PRODUCT DATA SHEET

### 1. PRODUCT OVERVIEW

1	Brand Name	AUREX
2	Model Number	AI-50401
3	Extinguisher Type	ABC outside cartridge
4	Capacity	50 KG
5	Fire Classification	Class A / B / C
6	Fire Rating	20A 233B
7	Coverage Area	8 Meters for 40-50 sec. Minimum
8	Compliance Standard	IS 16018:2012

### 2. STANDARD MATERIAL OF CONSTRUCTION

1	Cylinder	4MM Low Carbon Steel Sheet
2	Cap	Brass
3	Co2 Cylinder	2KG Capacity with manufacturing and PESO approved
4	Hose for Co2	Braided hose burst pressure 225 BAR
5	O-Ring	Rubber as per IS standard
6	Neck ring	Mild steel
7	Discharge Hose	PVC Braided hose with SS protection spring of 300mm to avoid kink and shut off nozzle
8	Syphon Tube	Mild steel
9	Drain plug	Brass
10	Nozzle	Aluminium
11	Trolley Wheel	Solid fiber type
12	Charge	40% MAP Dry chemical powder
13	Wall bracket	High quality powder coating (UV Resistance)

### 3. PERFORMANCE AND ROUTINE TEST

1	Minimum Discharge Duration	90% Minimum Within 40-50 sec.
2	Effective Discharge Reach	8 Meter
3	Hydraulic Pressure Test	35 BAR
4	Bursting Pressure Test	70 BAR
5	Working Pressure	15 BAR
6	Operating Temperature Range	-30°C to +60°C
7	Type Test Standard	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

## Operational Guidelines (PASS)

- Disengage the Safety Pin
- Direct the Nozzle at Fire Base
- Activate by rotating the valve on top then opening the ball valve
- Execute sweeping motion for maximum coverage

## Certifications & Compliance Approvals

- IS 16018 Certification
- BIS Regulatory Endorsement
- ISO 9001:2015 Accreditation

## Packaging & Storage Recommendations

Packaging Type: Corrugated Paper Box

Ideal Storage Environment: Cool & Dry Condition

## 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	1020 mm
Cylinder Diameter	400 ± 10 mm