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FOAM 45LTR WHEELED TYPE FIRE EXTINGUISHER PRODUCT DATA SHEET

1. PRODUCT OVERVIEW

1	Brand Name	AUREX
2	Model Number	AIF-45301
3	Extinguisher Type	Foam Trolley Type
4	Capacity	45 LTR
5	Fire Classification	Class A / B
6	Fire Rating	20A 233B
7	Coverage Area	9 Meters for 30 sec. Minimum
8	Compliance Standard	IS 16018:2012

2. STANDARD MATERIAL OF CONSTRUCTION

1	Cylinder thickness	3 MM low carbon M.S. sheet
2	Cap	Stainless steel chrome plated
3	Washer	Rubber (IS:5382 Type-3)
4	Piercer	Aluminium
5	Neck Ring	Seamless Mild Steel
6	Discharge Hose	PVC 4 mtr.
7	Syphon tube	Aluminium / PVC
8	Plunger	Brass
9	Nozzle	PVC / Metal
10	Cartridge holder & sealing device	Brass
11	Gas Cartridge	300 GMS (IS : 4947)
12	Spring	Steel
13	Safety valve	Brass
14	Charge	AFFF 3%
15	External coating	Ultracoat EP poly
16	Corrosion Resistance	Anti-corrosive epoxy coating

3. PERFORMANCE & ROUTINE TEST

1	Minimum Discharge Duration	95% minimum within 30 sec.
2	Effective Discharge Reach	9 Meter
3	Hydraulic Pressure Test	35 BAR
4	Bursting Pressure Test	60 BAR
5	Working Pressure	15 BAR
6	Operating Temperature Range	+5°C to +55°C
7	Type Test Standard	IS 16018 : 2012

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4. TESTING & QUALITY ASSURANCE

1	Hydrostatic pressure evaluation	Passed
2	Leakage integrity assessment	Passed
3	Bursting Pressure endurance Test	Passed
4	Corrosion resistance & durability check	Passed
5	Inspection as per approved QAP	Passed
6	Testing lab for UL/ISI fire rating	Passed

5. CERTIFICATIONS & COMPLIANCE

1	BIS Regulatory endorsement	Approved
2	IS 16018 : 2012 Certificate	Certified
3	ISO 9001 : 2015 Accreditation	Available
4	CE Mark conformity	Confirm
5	Eco-friendly & safe for enclosed spaces	Approved

6. PHYSICAL DIMENSIONS & WEIGHT

1	Height	1000 +- 10 mm
2	Cylinder diameter	300 +- 5 mm
3	Empty weight	Approx 40 kg
4	Filled weight	Approx 90 kg

7. Maintenance & Serviceability

1	Inspection & testing frequency	As per IS standard 2190
2	Scheduled maintenance	Annual services recommended
3	Refilling Interval	Every 3 years
4	Operational lifespan	10 Years (under optimal storage condition)