



BURN-IN-CHAMBER

AN ISO 9001 : 2015 CERTIFIED CO. & CE MARK PRODUCT

Model No : SRL-BC-33



Construction :

SRL Burn In Chamber are suitable for continuous use and durable. They are constructed from CRCA sheets of suitable gauge. Angle iron frames are provided for bigger Burn-In-Chamber. The Burn-In-Chamber are triple walled and the gap between the walls is filled with resin-bonded glass wool slabs.

Inner Chamber Sheet Thickness 1.2 mm.

Inner Chamber Sheet Material MS.

Outer Chamber Sheet Thickness 1.2 mm.

Outer Chamber Sheet Material CRCA epoxy powder coated.

Middle Chamber Sheet Thickness 1.2 mm.

Insulation Material Glass + Ceramic wool.

Insulation Material Thickness 60 mm.

Application

These equipments are used for climatic & durability tests of electrical & electronic components, corrosion test on mechanical assemblies, materials for simulated tropical & extreme tropical conditions.

Temp. Range :

Temp Range : 100°C

Accuracy : 0.2°C

Uniformity : $\pm 1^\circ\text{C}$

Heating System :

Nichrome wire coiled or strip heaters or tubular heaters are used depending upon the design of the Burn-In-Chamber which may vary with the specific application and this should be conveyed to us by the user to ensure optimum performance parameters. A port hole of suitable dimension will be provided for giving power outside.

Heating Rate 5 kw

Heat Load 10 kg

Temp. reach up time 25-30 mins

Heating element fabrication alloy make SS alloy.

BURN-IN-CHAMBER

Circulation :

Cross flow air Circulation.

Air circulation system 1/6 HP motor 7/3 fan dia.

No of plugs 8 Nos.

Interlock B/W Heater and Blower

Controls :

Microprocessor based PID temperature controls with 'A' Class PT-100 calibrated sensor traceable to NABL / ERTL accredited labs.

Electrical control panel consist of PID temp. & timer controller with calibrated PT-100 'A' class sensor.

PID type digital temp. indication cum controller.

Temp. sensors, Timer ammeter, voltmeter, Limit switch for door, Audio (only) alarm for door.

Safety Features :

MCB, Safety controller, Over shoot safety thermostat, etc.

Certification :

ISO 9001:2015 Certified Co. D&B registered & CE mark product.

Calibration & validation certificates traceable to NABL / ERTL accredited labs.

Documentation :

To comply with the documentation requirements, we provide IQ, OQ & PQ protocols to be executed before taking the chamber in to for regular use, and support the supply with the following documents with the detail operational and service manual.

Standard Operating Procedure (SOP)
Operational Manual for Controller
IQ,PQ,OQ protocols certificate.
Calibration certificate of all controlling modules with traceability.
Certificate of MOC.
Test Report of chamber prior to supply with mapping certificate.
wiring diagram for ease of service maintenance.

TECHNICAL SPECIFICATION BURN - IN - CHAMBER

Model No : SRL-BC-33	BC-A	BC-B	BC-C
Capacity Liters	45	175	480
Chamber Size (cms)	40 X 40 X 40	40 X 110 X 40	80 X 40 X 150
Rating	1.0 K.W	1.5 K.W	3.0 K.W

Due to continuos development & improvements in design, we reserve the right to change the specification without notice.