



# WALK IN INCUBATOR CHAMBER

AN ISO 9001 : 2008 CERTIFIED CO. & CE MARK PRODUCT



## Constuction

Triple walled, the exterior is made of CRCA with non-contaminant epoxy powder coated & interiors are made of AISI S.S.304 with PUF Insulation, double walled door with PUF Insulation. PUF Panels easy to assemble at site. Insulation PUF 60MM .

**Dimensions :** MOC of the chamber will be triple walled chamber with inner of mirror finish stainless steel 304 grade & outer of pre-painted, PUF Insulation in between two walls. 2 Nos of door inner of transparent glass & other double walled with puff insulation

- 1.The unit will be made of double walled leak proof metal door with lock, with a provision of opening door from inside.
- 2.forced air circulation for uniform temperature.

## Viewing window:

300 x 300 (mm)

## Air Circulation :

Forced air circulation to ensure uniform temp.

## Application

These equipments are used for climatic & durability tests of electrical & electronic components, corrosion test on mechanical assemblies, tests on packages, paints & varnishes, cement plants, apparatus & materials for simulated tropical & extreme tropical conditions & for botanical & zoological investigations, testing of chemicals, drugs, pharmaceutical, cosmetics, medicine, capsules etc.

## Illumination :

By 40w Incandescent lamps, moisture proof 1 no.

## Temp. Range :

+20°C to +60°C

**Accuracy :**  $\pm 0.2^{\circ}\text{C}$ , **Uniformity :**  $\pm 2^{\circ}\text{C}$

## Heating :

Air heaters are provided for heating above ambient temperatures, by A-1 grade wire.

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## Refrigeration system :

CFC free refrigerant to be used to comply with the new Environmental Regulation

Will have suitable tonnage compressor for maintain temperature with lights on.

Will have hermetically sealed condensing unit compressor coupled with Evaporation coil & condenser, safe guarded by time delay circuit. Cabinet shall be supplied with air-cooled condensing unit with extended compressor life and close temperature control.

Cooling system will be split type to place condenser unit in a ventilated area to avoid hot air in growth chamber.

## Safety Features :

Built-in temp, deviation, audio/ visual alarms. Safety thermostat for over shooting of temp. Safety circuit to cut off the whole systems in case of malfunction.

(Only applicable to Microprocessor based models).  
HRC fuses for compressor heaters & mains.

## Calibration :

Certifications traceability to ERTL/ NABL accredited labs.

## Temp. Control

Microprocessor based PID temp. Control with printer interface (Centronic Port). PC interface with RS232CPC / RS-485 interface for multiple networking of controller. Data loggers, uP Profile Controller for Ramp / soak for cyclic applications chamber illumination with Pt100 sensor

## Special Attention

Suitable K.V.A. Servo Controlled Voltage Stabilizer is recommended in case of voltage fluctuations.

## Certification :

ISO 9001:2008 Certified Co. D&B registered & CE marked 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 SPECIFICATIONS

Model WICR-12	Internal Dimension (cms)	Capacity Ltrs
WICR-A	182 X 182 X 243	8000
WICR-B	250 X 250 X 240	15000
WICR-C	300 X 300 X 210	19000
WICR-D	395 X 297 X 297	35000
WICR-E	600 X 300 X 240	43200

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