

# “WALK IN” CLIMATIC CHAMBER

- Temperature and relative humidity controlled test environment
  - Material temperature & Rh resistance and product testing
    - Maintaining superior temperature & Rh stability
      - Sample conditioning prior to other tests
        - Accelerated ageing
          - Stress tests





Compressor based refrigeration system.

Condensing unit mounted on the top of the chamber or remote location

Chamber equipment: Specially designed racks with height adjustable shelves

Tailored equipment available

Backup unit (optional)

Door observation window

Sealed and extensively heat insulated door – Various sizes available

Modular chamber design from insulation panels

Heavy duty closing mechanism with safety unlocking system from interior

Fully stainless steel interior.

Exterior powder coated RAL 9010 (other colors available on request)

Access port with both end plugs Ø40, Ø50 or Ø90

Electronics compartment

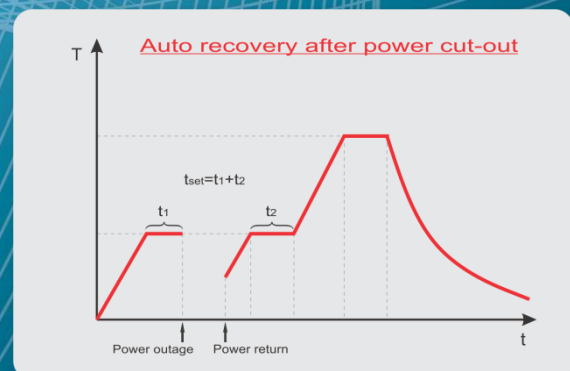
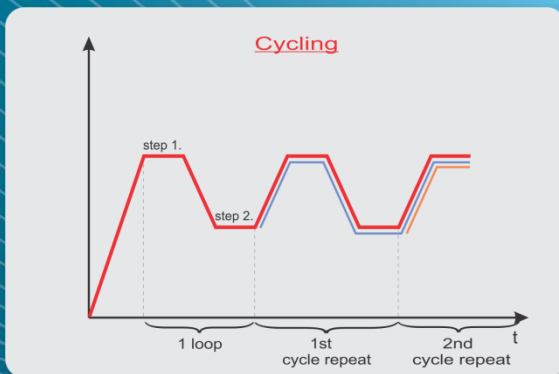
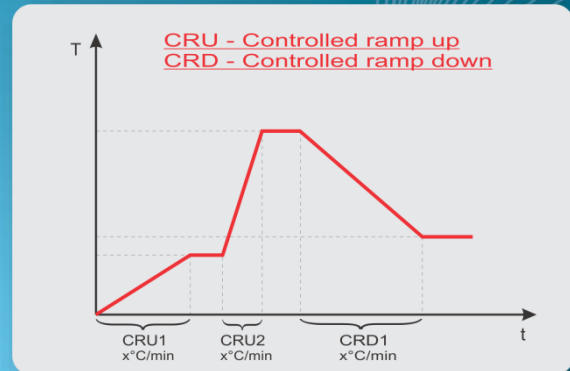
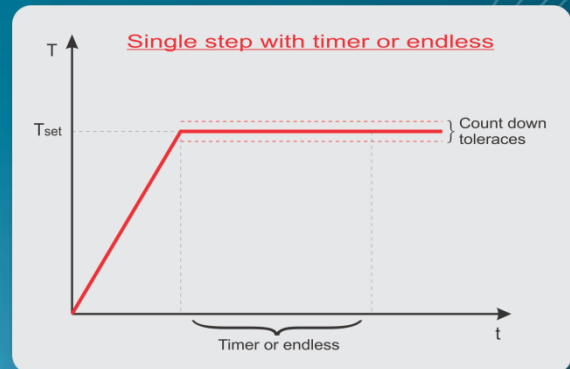
Mounted on the chamber or remote location

Extensive heat insulation.


Various insulation panel thicknesses.

PLC based controller. Simple and effective programming of all processes. SW pack for PC available

## Controller functions:



### Technical data:

	<b>Walk in Climatic Chamber</b>
	
External dimensions (WxHxD) in mm	According to user preferences
Temperature range (°C) (lights on or off)	-40...+90
Rh range (%)	40...95
Temperature & Rh display resolution	0.1°C / 1%
Temperature set resolution (°C)	0.1
Rh set resolution (%)	1
Temperature stability (°C)	Better than ±0,3
Temperature uniformity (°C)	< ± 1 @ +37°C
Rh Stability (%) (lights off)	Better than ±3
Temperature Control	PID
Cooling	Air cooled compressor aggregate (water cooled as an option)
Relative humidity	Steam generator / Ultrasonic humidifier / DEW point
Power supply	3x400 V 50/60 Hz (± 10%)
Access ports (mm)	Ø 40 standard, (Ø 50, Ø 90 as an accessory)
Interface	RS 232 (USB or Ethernet as an optional)

### Accessories:

<b>Description</b>	<b>Part no.</b>
Evaluation report	1719
Monitoring and data collection software for PC	104
USB interface	1466
Ethernet interface	1716
Password protection	1718

## Design solutions:

Open room installation:



Incorporation in to a Clean Room:



Outside installation:



Portable:  
(Incorporated in to 20ft or 40ft  
ship container)

