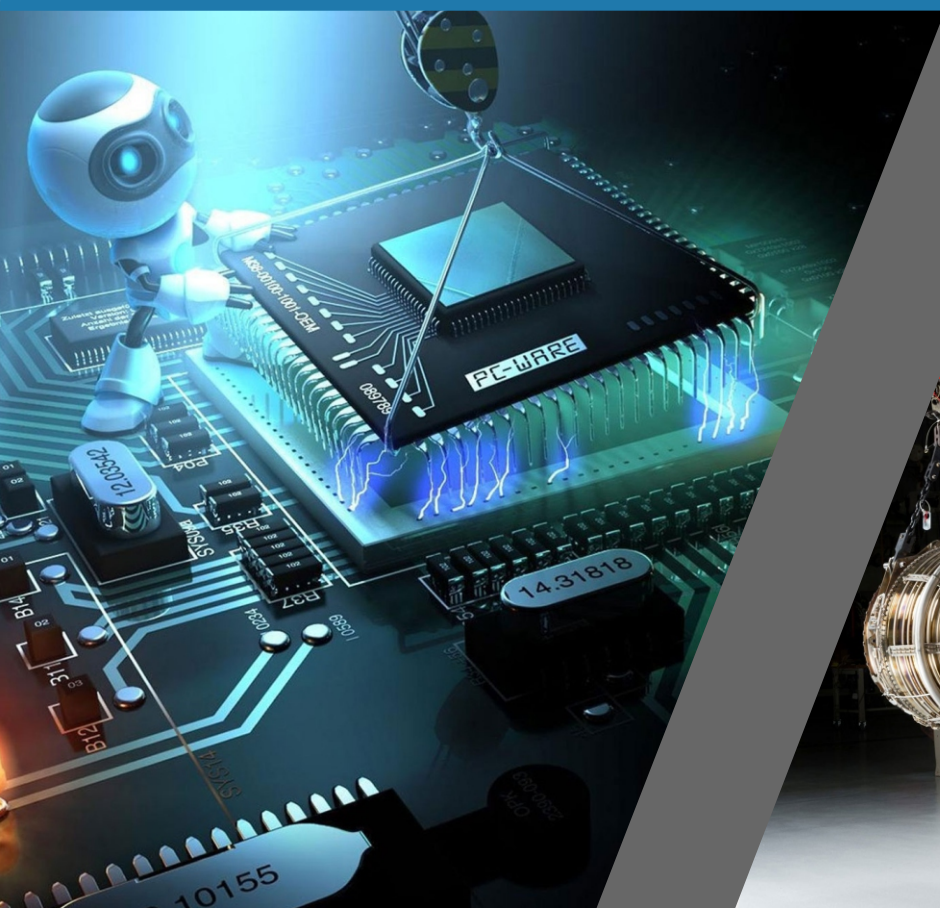




BLUEVIRON

"ONE SPOT SOLUTION"

OUR PRODUCTS ARE RIGHT CHOICE
FOR YOUR TEST APPLICATIONS



www.blueviron.com



ABOUT US

Bluevion Systems Pvt Ltd provides advanced, Innovative technology, engineering products to meet your test application. Bluevion has become a one-stop solution for all Environmental (Climatic) test applications.

Bluevion offers a widest selection of Climatic and Thermal cycling test chambers are create the real world simulation for test the small components to largest equipments with best performance with reliability and durability.

Bluevion Design & Manufacturing the all types of test chambers like Altitude (Air Pressure) Chambers, Automotive Drive-In Chamber, Battery Test Chambers, Corrosion Chamber, Temperature & Humidity Chambers, Thermal Shock Chambers, Solar Test Chambers, Combined (Integration) Vibration Chambers, Dust Chambers, Rain Chambers, Industrial Air Ovens, Burn In Chambers And Custom Built Test Equipments.

Bluevion applies our experts engineering skills to build the every equipment. Bluevion provides the most competitive & affordable price to meet our customer's expectations. We make sure that our products and services exceed our customer's expectations.

International Test Standards - IEC, MIL, ASTM, DIN, RTCA, IS, JSS, JES, ISTA, SAE, ISO, JASO, NFX, JESD, JASO, JISC and more..



VISION

Customer satisfaction & to be
Manufactured & supply of our
products in every industry where
we serve.



MISSION

Our mission is to be the trusted technology
products. Support services and including
full turnkey production facilities. Our goal is
to achieve customer satisfaction through
excellence in product performance.



QUALITY

Quality production in the all areas of
research, development production
& ensures high standard services
and products.



OUR PRODUCTS

FASTER, BETTER, AND MORE COST-EFFECTIVE

We manufacture the unique test chambers to simulate the Altitude (Air Pressure), Automotive Drive-In, Battery test, Temperature & Humidity, Thermal Shock, Solar Panels (Photovoltaic), Combined (Integration) Vibration, Corrosion, Dust & Rain Chambers, Industrial Air Ovens and Custom Built Test Equipments...

Blueviron standard or customized models have Intelligent Controller kit and Specially configured with advanced features to provide accurate testing.

Blueviron Manufacture widest selection of test chambers from the Bench-top (compact) to Walk in chambers are available to meet your test applications across all industries like Aerospace / Automotive / Defense / Electronics / Fiber optics / Pharmaceutical / Renewable Energy / Telecommunications / Semiconductor / Test Labs for material testing and thermal conditioning test applications.

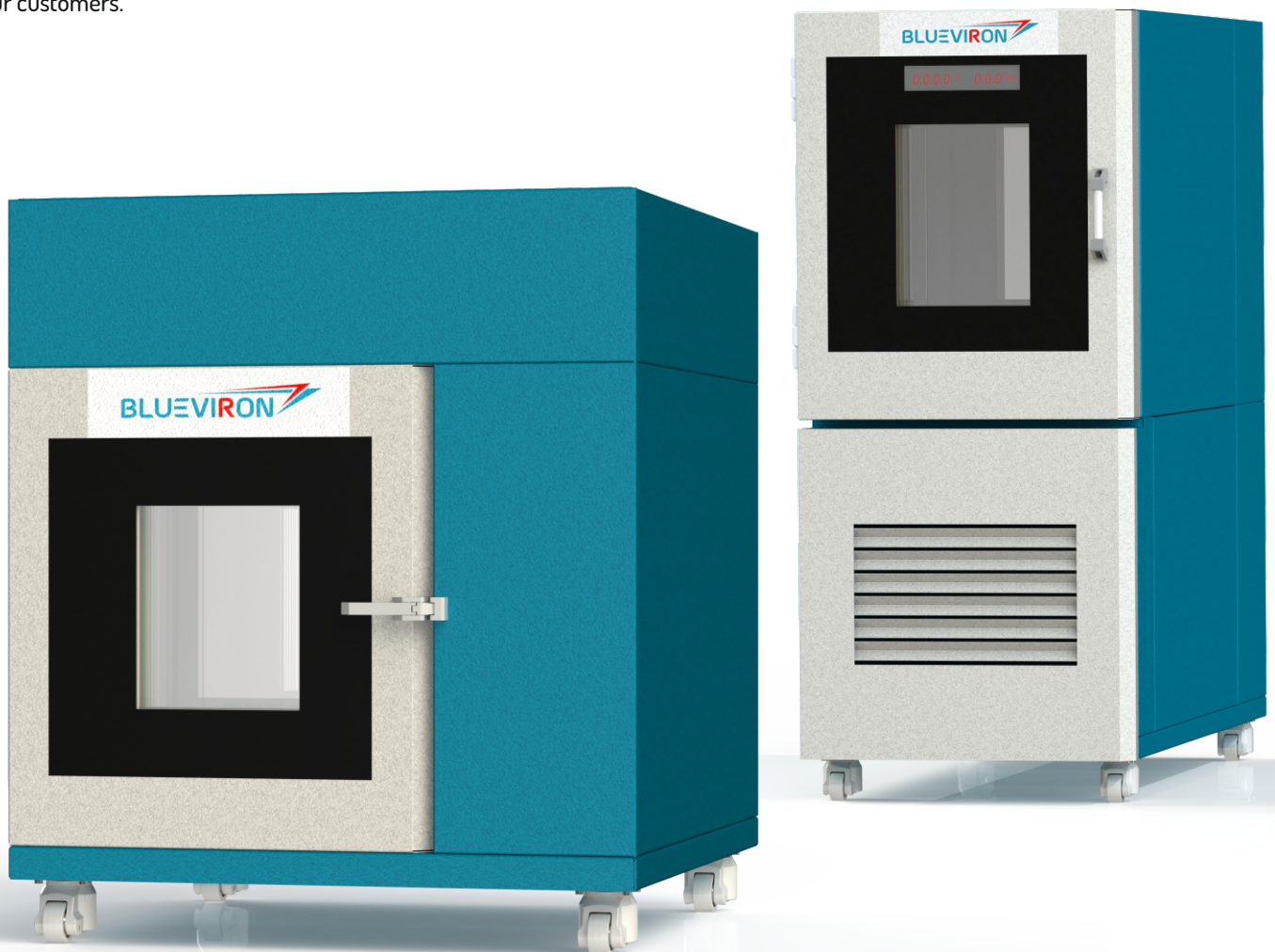
International Test Standards - IEC, MIL, ASTM, DIN, RTCA, IS, JSS, JES, ISTA, SAE, ISO, JASO, NFX, JESD, JASO, JIS and more...

Temperature: 200°C to -70°C / Humidity: 10% to 98% RH

Altitude: Site level to 100,000 feet (Option 2, 00,000 Feet)

Temperature Change Rate °C per Min: Standard models 1°C to 20°C and Customized up to 30°C

After warranty Support - We can support existing installations, emergency visits or repairs, maintenance schedules or refurbishment service for our customers.



CATH - COMBINED ALTITUDE TEMPERATURE HUMIDITY CHAMBER

BLUEVIRON CATH CHAMBERS Simulate the extreme level space conditions (Sea-level and high-altitude testing) Air pressure & Temperature & Humidity combination condition for real life testing of components or assemblies products like Aerospace, Space Shuttle, Automotive, Defense, Electronics, Military, Telecommunications And Other Industries.

Blueviron design products can precisely simulate the real-life space conditions to meet's customer's testing needs. We offer a wide range selection of CATH Chambers with Heavy duty Vacuum Pump, Refrigeration & Humidity system provides reliable performance.

FEATURES

- Volumes: 220L / 660L / 990L / 1500L (*Custom sizes of chambers are available on user's demand)
- Vacuum Range: 10 mbar (100,000 feet) or *Custom Range: Ambient to 1 (mbar)
- Temperature Range: 80°C / 120°C / 150°C to -20°C / -40°C / -55°C / -65°C
- Standard model Rate of temperature change (°C/Min): 1°C to 5°C /min (IEC 60068-3-5)
- ESS (Environmental Stress Screening) Chambers: 5°C to 10°C /min (IEC 60068-3-5)
- Standard Humidity System 20% to 98%
- Humidity applicable temperature range 20°C to 85°C
- Controller Types: Touch Screen Panel (HMI / PLC / Modular Controller)
- Supply Voltage 415V $\pm$ 10% / 50Hz / 3Ph+N+G
- A- Air Cold Condenser (Room Temperature 20°C to 25°C)
- W - Water Cold Condenser (Water Temperature 8°C to 20°C)

OPTIONS

- Inspection window
- Shelves (Tray)
- Port hole (50 or 120mm)
- Low humidity System (10% to 98%)
- Humidity Water Purification System
- RS232/485 networking

CATH - COMBINED ALTITUDE, TEMPERATURE & HUMIDITY

MODELS - CATH	CATH 220-40	CATH 220-70	CATH 660-40	CATH 660-70
Capacity - App Litters	220L	220L	660L	660L
Workspace Dim App (WxDxH)mm	650 x 460 x 750	650 x 460 x 750	825 x 825 x 975	825 x 825 x 975
Temperature Range °C	-40°C to 150°C	-70°C to 150°C	-40°C to 150°C	-70°C to 150°C
Heat Changing Ramp Rate	1 to 5 /min As per IEC 60068-3-5 (Customized available)			
Cool Changing Ramp Rate	1 to 5 /min As per IEC 60068-3-5 (Customized available)			
Vacuum Range (Mbar)	Up to 10Mbar			
Vacuum Pump	Two Stage Oil Rotary Pump			
Standard Humidity Range - RH	20% to 95% RH (10% to 98% RH is an optional spec)			
Condenser Type	Air or Water Cold Condenser			

MODELS - CATH	CATH 990-40	CATH 990-70	CATH 1500-40	CATH 1500-70
Capacity - App Litters	990L	990L	1500L	1500L
Workspace Dim App (WxDxH)mm	1000 x 900 x 1000	1000 x 900 x 1000	1100 x 1250 x 1100	1100 x 1250 x 1100
Temperature Range °C	-40°C to 150°C	-70°C to 150°C	-40°C to 150°C	-70°C to 150°C
Heat Changing Ramp Rate	1 to 5°C /min As per IEC 60068-3-5 (Customized available)			
Cool Changing Ramp Rate	1 to 5°C /min As per IEC 60068-3-5 (Customized available)			
Vacuum Range (Mbar)	Up to 10Mbar			
Vacuum Pump	Two Stage Oil Rotary Pump			
Standard Humidity Range - RH	20% to 95% RH (10% to 98% RH is an optional spec)			
Condenser Type	Air or Water Cold Condenser			

SL NO	TOUCH SCREEN CONTROLLER FEATURES
1	Controller – Dual Loop Modular Controller – Make :Redlion
2	HMI – 7" Color Touch Screen Panel – Make :Redlion
3	Smart PLC – Siemens
4	Temperature & Humidity Digital Display
5	Bluevion Touch Screen Controller kit advanced configuration, Easy operation & Programming
6	Channels – Temperature, Humidity, Vacuum (Pressure)
7	Temperature & Safety PT100 sensors
8	Electronic Humidity Sensor for accuracy
9	High & low temperature safety controller or Thermostat
10	Programs – Standard 50programs (Customized also available)
11	Interval or Segments – 50 Segments
12	Program view and edit profiles with program cycles
13	Operation- Program / Manual
14	Multi-Level Password Based System for chamber safety operation
15	Graph screen – Zoom In& Out
16	Graph export – Data Logging And Transfer Pendrive or XI Sheet
17	Restart/power failure: software design such that the chamber restart automatically & resume the program after power failure. (Auto start after power interruption.)
18	Data logging & Data file access via memory stick
19	USB host port, communication – RS23 & RS485
20	External Devices Switch ON or Power ON really – 2nos (5AMS Really)
21	Electrical & Mechanical trips log page
22	PLC Digital Inputs & Outputs Screen
23	Refrigeration Cycle screen Page
24	Activity log screen provides equipment history*
25	Door Limit Switch & Door Open & Close Log & Interior Light
26	EMI protection for control circuit
27	Electrical safety – heat limits, fuses, Water low level switch or circuit breakers
28	Heating to be controlled by solid state relay & over heat protector
29	Heater wiring to be flame proof
30	Alarm for faulty condition
31	Chiller Water Flow (Pressure)switch for Chamber Safety
32	All wires color coded with numbers for easy identification
33	E-stop emergency safety stop button
34	Three /single phase preventer protections
35	Easy power plug in system
36	Parts make: REDLION, SCHINDLER, SIEMENS, L&T, ABB, EAPL, PARAMOUNT, ERI, OMRON, HAGER or equivalent brands etc.



OUR SERVICES

SERVICE SUPPORT

We have experienced & trained engineering team. Our experience provides the present and future technical, logical and innovations. Our experience allows us to make the Repairs, Service and turnkey (refurbishment) upgrade contracts of the existing systems. (Any Make or Any Model)

Vision - Quality service is our business to meet our customer satisfaction.

Quality Service - Our technical service team supports quality & reliable Service for our valuable customers.

SI NO	"QUICK SERVICE SUPPORT"
1	Emergency call attended within 8 Hours.
2	Technical advice & support (24/7 Helpline)
3	Fixed prices for 1 to 3 year
4	Extended warranties
5	Installation and Commissioning
6	Repair & service contract (RSC)
7	Annual Operation Contract (AOC)
8	Annual Maintenance Contract (AMC)
9	Refrigeration Refurbishment Service (RRS)
10	Electrical Refurbishment Service (ERS)
11	Upgrades - PLC, HMI, Modular Controller
12	Spare parts procurement & Fast delivery
13	Humidity system Service
14	Calibration Service

CONTACT US



Contact Info

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