

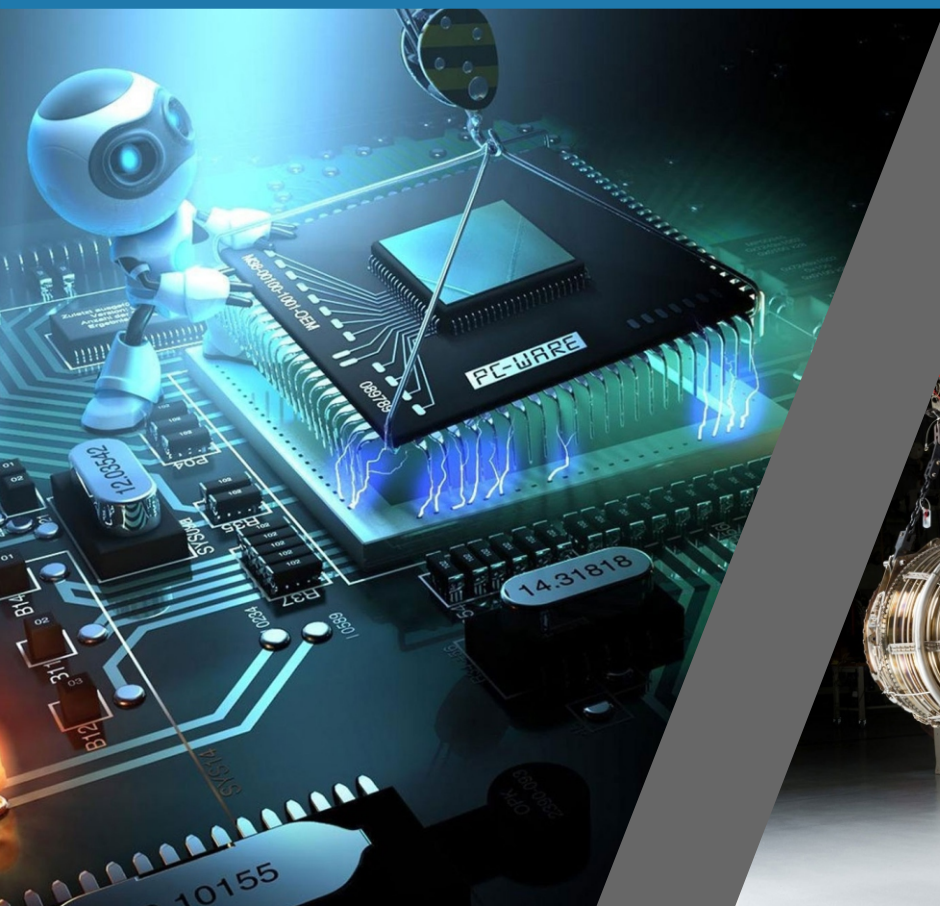


BLUEVIRON

“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.

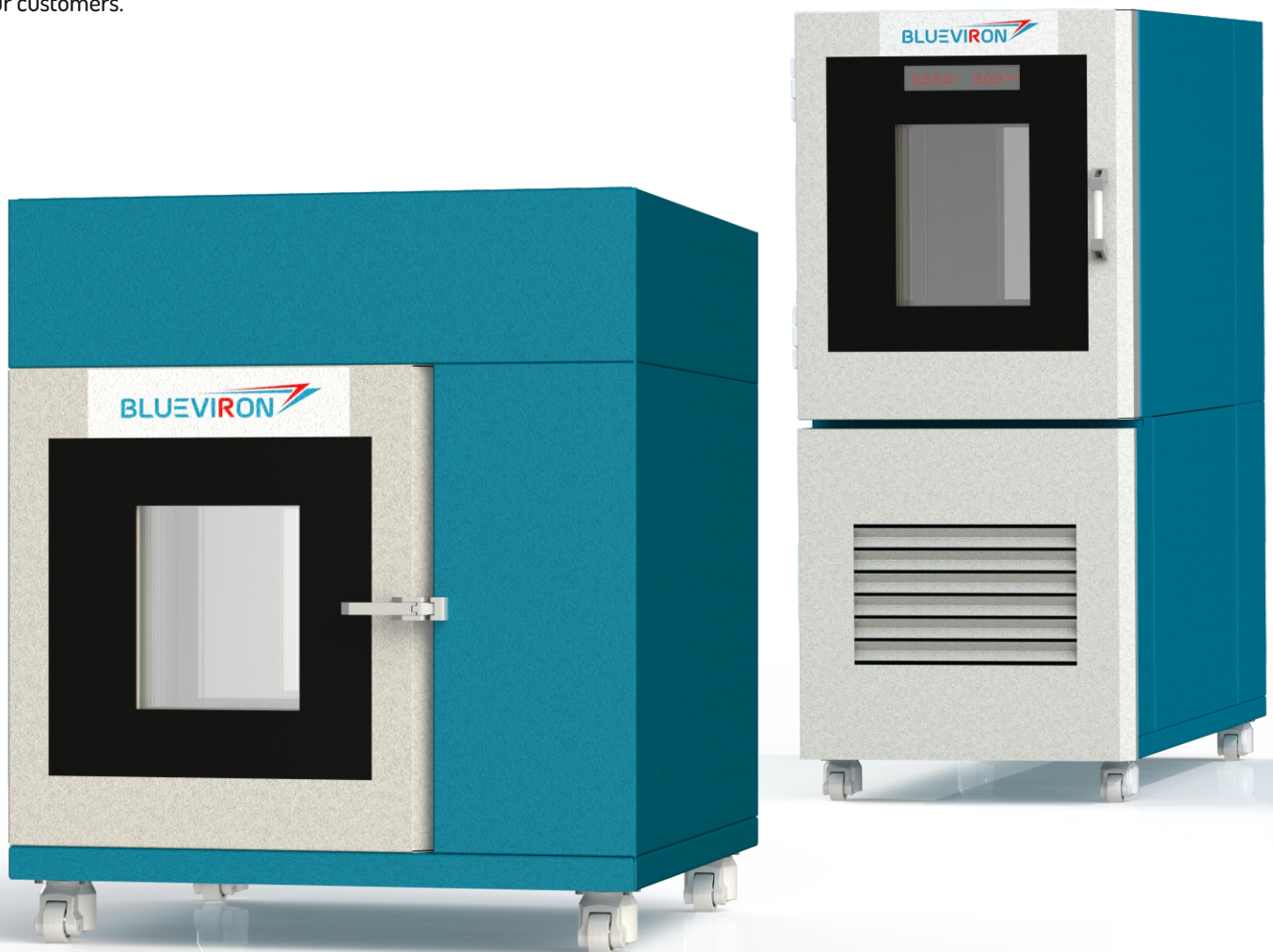
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Temperature: 200°C to -70°C / Humidity: 10% to 98% RH

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.



THERMAL SHOCK CHAMBER

Blueviron has been a specialist in Design, development and manufacture of a wide range of Thermal Shock test Chambers to simulate the specific requirements of environmental conditions as per international standards.

We specifically designed powerful Refrigeration systems to provide the extremely rapid changes of temperature. Fully automated test chambers automatically take less than 10 seconds movement between the Two Zone (Cold – Hot) cabinets from a Cold Cabinet To A Hot Cabinet Or Hot Cabinet To A Cold Cabinet.

Blueviron standard and custom test chambers are able to simulate the extreme level environment conditions with superior Quality assurance, reliable performance for many industrial uses where real life conditions required sectors Like Aerospace, Automotive, Defense, Military, Renewable Energy, Electronics, Telecommunications, Semiconductor, Material testing and other applications.

Blueviron offers the best Economical price and our chambers are completely sealed with fully mono black panel housing that eliminates potential leakage and increases the chamber life.

BENCHTOP THERMAL SHOCK CHAMBER – HORIZONTAL

MODELS - THERMAL SHOCK	BTS-16L	BTS-36L
Basket – App Litters	16L	36L
Basket Dimensions (WxDxH)mm	240x280x250	350x350x350
Cold Zone	-40/-70°C to +50°C	-40/-70°C to +50°C
Hot Zone	+50°C to +120°C	+50°C to +120°C
Temperature Control Tolerance	+/-1°C	+/-1°C
Basket Transition Time	10 sec	10 sec
Recovery time	5 to 10 Min	5 to 10 Min
Condenser Type	Air or Water Cold Condenser	

FEATURES

- Volumes: 16L / 36L / 90L / 150L / 320L / 770L (*Custom Chambers are available)
- Hot Zone Temperature Range: 80°C / 120°C / 150°C / 180°C
- Cold Zone Temperature Range: 0°C / -25°C / -40°C / -55°C / -70°C
- Recovery Time: 5 Min / 10Min / 15Min
Basket Transition: 10 sec
- Controller Types: Touch Screen Panel (HMI / PLC / Modular Controller)
- Supply Voltage 415V ± 10% / 50Hz / 3Ph+N+G
- A-Air Cold Condenser (Room Temperature 20°C)
- Water Cold Condenser (Water Temperature 10°C to 20°C)

THERMAL SHOCK CHAMBER – HORIZONTAL

MODELS-THERMAL SHOCK	TSH-90L	TSH-320L	TSH-770L
Basket – App Litters	90L	320L	770L
Basket Dimensions (WxDxH)mm	450x450x450	680x680x700	950x900x900
Cold Zone	-40/-70°C to +50°C	-40/-70°C to +50°C	-40/-70°C to +50°C
Hot Zone	+50°C to +180°C	+50°C to +180°C	+50°C to +180°C
Temperature Control Tolerance	+/-1°C	+/-1°C	+/-1°C
Basket Transition Time	10 sec	10 sec	10 sec
Recovery time	5 Min/10Min/15Min	5 Min/10Min/15Min	5 Min/10Min/15Min
Condenser Type	Air or Water Cold Condenser		

OPTIONS

- Portholes
- Viewing windows
- Chamber lights
- Basket Shelves

THERMAL SHOCK CHAMBER – VERTICAL

MODELS-THERMAL SHOCK	TSV-36L	TSV-90L	TSV-150L
Basket – App Litters	36L	90L	150L
Basket Dimensions (WxDxH)mm	300x300x400	450x450x450	550x550x500
Cold Zone	-40/-70°C to +60°C	-40/-70°C to +60°C	-40/-70°C to +60°C
Hot Zone	+50°C to +180°C	+50°C to +180°C	+50°C to +180°C
Temperature Control Tolerance	+/-1°C	+/-1°C	+/-1°C
Basket Transition Time	10 sec	10 sec	10 sec
Recovery time	5 Min/10Min/15Min	5 Min/10Min/15Min	5 Min/10Min/15Min
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

BLUEVIRON SYSTEMS PVT LTD

Registered Address

No.4, Survey No:13/1,
Chandapura-Anekal Road,
Byagadadenahalli,
Bangalore - 562106.

Working Address

HI#304/5 Shed Number #304/5/C
Seetharam Industrial Estate
Mes Ring Road,
Jalahalli, Bangalore 560013

Phone: +91-9972587569, Email: sales@blueviron.com
www.blueviron.com

