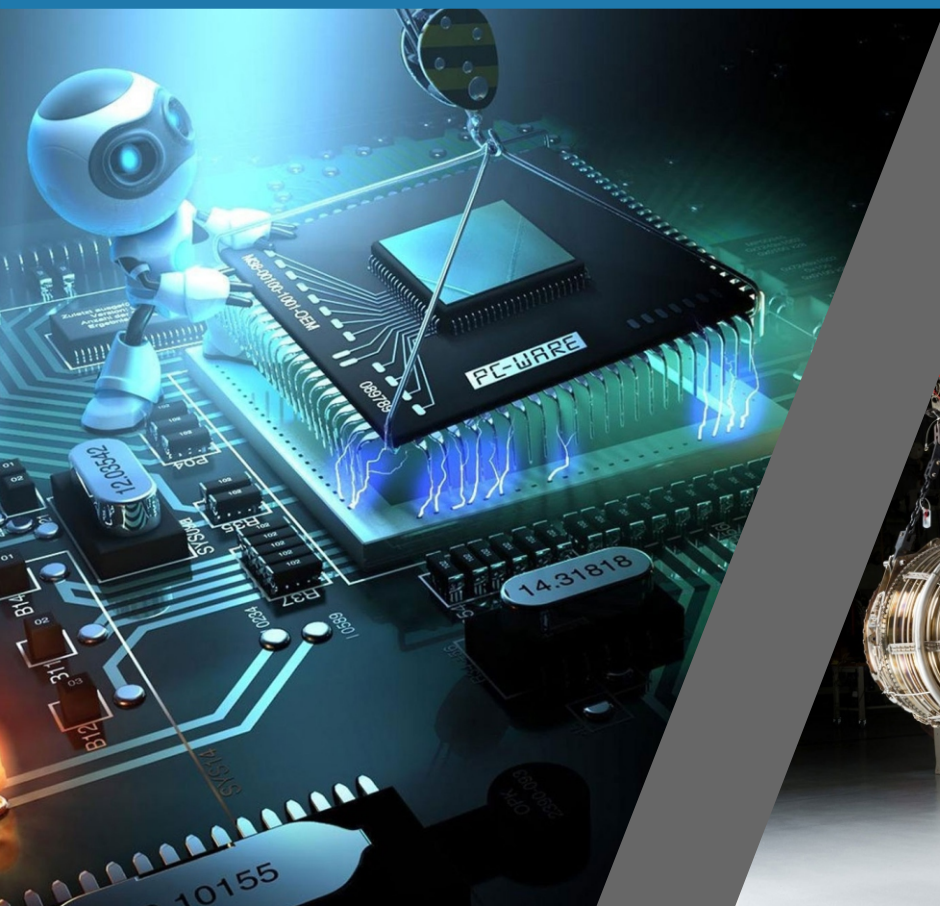




BLUEVIRON

"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.

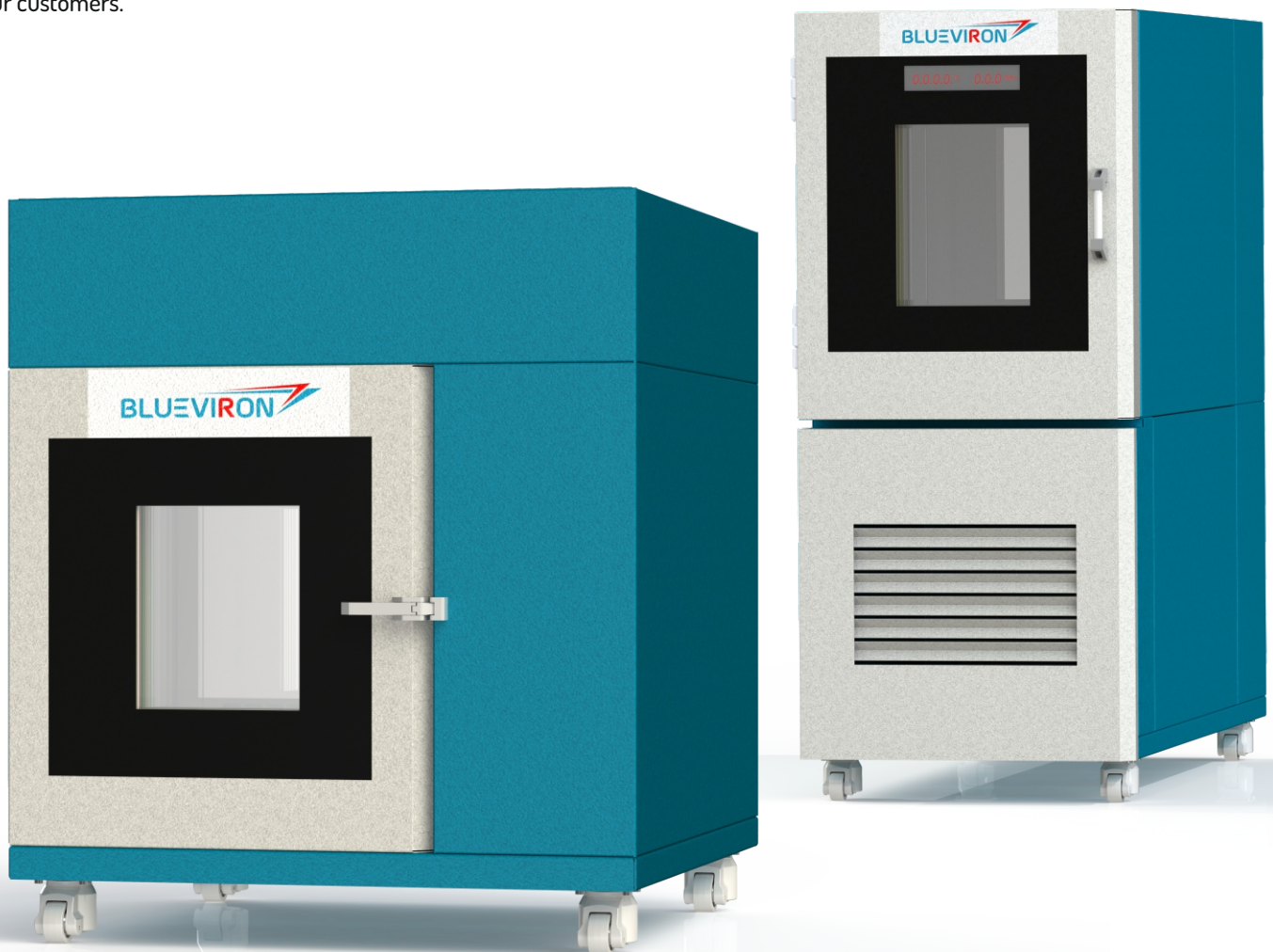
International Test Standards - IEC, MIL, ASTM, DIN, RTCA, IS, JSS, JES, ISTA, SAE, ISO, JASO, NFX, JESD, JASO, JIS and more...

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.



ALTITUDE CHAMBERS

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

Bluevion design products can precisely simulate the real-life conditions to meet's customer's testing needs. We offer a wide range selection of altitude chambers and Heavy duty Vacuum pump, Refrigeration 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: 180°C / 150°C / 120°C to -20°C / -40°C / -55°C / -70°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 20°C /min (IEC 60068-3-5)
- 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 to 25°C)
- W-Water Cold Condenser (Water Temperature 8°C to 20°C)

OPTIONS

- Inspection window
- Shelves (Tray)
- Port hole (50 or 120mm)
- RS232/485 networking

ALTITUDE CHAMBERS

MODELS	ATP 220-40	ATP 220-70	ATP 660-40	ATP 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°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	Single / Two Stage Oil Rotary Pump			
Condenser Type	Air or Water Cold Condenser			

MODELS	ATP 990-40	ATP 990-70	ATP 1500-40	ATP 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	Single / Two Stage Oil Rotary Pump			
Condenser Type	Air or Water Cold Condenser			

BENCH TOP / COMPECT CHAMBER

Blueviron Bench top test chambers are compact design simulate the environmental test conditions with Lightweight and Economical price. Bench Top chambers come with user friendly Controller kit with touch panel display, our bench top chambers are completely sealed with fully mono black panel housing that eliminates potential leakage and increases the chamber life.

Bench top test chambers deliver the superior performance, Quality assurance and reliability testing's Applications, smaller products or Components such as electronic, automobile, Spacecrafts, computer chips, Military sensors, mobile phones and other Industries.

FEATURES

- Volumes: 50L / 100L
- Temperature Range: 80°C / 120°C to -20°C / -40°C / -55°C / -70°C
- Humidity capability: 25% to 98% RH in the temperature range of +25°C to +85°C
- Standard model Rate of temperature change (°C/Min): 1°C to 5°C /min (IEC 60068-3-5)
- Controller Types: Touch Screen Panel (HMI / PLC / Modular Controller)
 - Microprocessor Based PID Programmable Controller
 - Single Set Point PID (without Program) Controller
- Supply Voltage 415V 3Ph+N+G / 220V 1Ph+N+G / $\pm 10\%$ / 50Hz.
- Air Cold Condenser (Room Temperature 20°C to 25°C)
- Water Cold Condenser (Water Temperature 10°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

BENCH TOP / COMPECT CHAMBER

MODELS – BENCH	B50-40	B50-70	B100-40	B100-70
Capacity – App Litters	50L	50L	100L	100L
Workspace Dim App (WxDxH)mm	330 x 330 x 470	330 x 330 x 470	450 x 410 x 550	450 x 410 x 550
Temperature Range °C	-35°C to 120	-65°C to 120	-40°C to 120	-70°C to 120
Heat Changing Ramp Rate	1°C /min As per IEC 60068-3-5		2°C /min As per IEC 60068-3-5	
Cool Changing Ramp Rate	1°C /min As per IEC 60068-3-5		2°C /min As per IEC 60068-3-5	
Humidity Range	25% to 98% RH			
Condenser Type	Air / Water Cold Condenser			

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			

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

Blueviron standard and custom test chambers able to simulate the extreme level conditions to fulfill your testing needs 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.

FEATURES

- Temperature Range: 80°C / 120°C / 150°C / 180°C to -20°C / -40°C / -55°C / -70°C
- Humidity capability: 20% to 98% RH
- Standard Volumes: 160L / 390L / 660L / 900L / 1200L / 3000L
- Standard model Rate of temperature change (°C/Min): 1°C to 5°C /min (IEC 60068-3-5)
- ESS (Environmental Stress Screening) Volumes 300L / 590L / 810L / 1450L
- ESS (Environmental Stress Screening) Chambers: 5°C to 25°C /min (IEC 60068-3-5)
- 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 10°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

EVEREST – TEMPERATURE & HUMIDITY MODELS

MODELS – EVEREST	ETH-160-40	ETH-160-70	ETH-390-40	ETH-390-70
Capacity – App Litters	160L	160L	390L	390L
Workspace Dim App (WxDxH)mm	500x460x700	500x460x700	720x640x840	720x640x840
Temperature Range °C	-40°C to 180	-70°C to 180	-40°C to 180	-70°C to 180
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)			
Humidity Range - RH	20% to 98% RH			
Condenser Type	Air or Water Cold Condenser			

MODELS – EVEREST	ETH-660-40	ETH-660-70	ETH-900-40	ETH-900-70
Capacity – App Litters	660L	660L	900L	900L
Workspace Dim App (WxDxH)mm	825x825x975	825x825x975	1000x900x1000	1000x900x1000
Temperature Range °C	-40°C to 180	-70°C to 180	-40°C to 180	-70°C to 180
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)			
Humidity Range - RH	20% to 98% RH			
Condenser Type	Air or Water Cold Condenser			

MODELS - EVEREST	ETH-1200-40	ETH-1200-70	ETH-3000-40	ETH-3000-70
Capacity - App Litters	1200L	1200L	3000L	3000L
Workspace Dim App (WxDxH)mm	1100x1000x1100	1100x1000x1100	1500x1200x1700	1500x1200x1700
Temperature Range °C	-40°C to 180	-70°C to 180	-40°C to 180	-70°C to 180
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)			
Humidity Range - RH	20% to 98% RH			
Condenser Type	Air or Water Cold Condenser			

ESSH - ENVIRONMENTAL STRESS SCREENING & HUMIDITY

We specifically designed Powerful Refrigeration systems for rapid changes of temperature tests on Aerospace, Automotive, Defense, Military, Electronics, Telecommunications, Semiconductor, Material testing and other applications.

MODELS – EVEREST	ESSH-300-40	ESSH-300-70	ESSH-590-40	ESSH-590-70
Capacity – App Litters	300L	300L	590L	590L
Workspace Dim App (WxDxH)mm	620x620x800	620x620x800	850x820x850	850x820x850
Temperature Range °C	–40°C to 180	–70°C to 180	–40°C to 180	–70°C to 180
Heat Changing Ramp Rate	5°C to 15°C /min As per IEC 60068–3-5		5°C to 20°C /min As per IEC 60068–3-5	
Cool Changing Ramp Rate	5°C to 15°C /min As per IEC 60068–3-5		5°C to 20°C /min As per IEC 60068–3-5	
Humidity Range – RH	10% to 98% RH			
Condenser Type	Water Cold Condenser			

MODELS – EVEREST	ESSH-810-40	ESSH-810-70	ESSH-1450-40	ESSH-1450-70
Capacity – App Litters	810L	810L	1450L	1450L
Workspace Dim App (WxDxH)mm	1000x900x900	1000x900x900	1200x1100x1100	1200x1100x1100
Temperature Range °C	–40°C to 180	–70°C to 180	–40°C to 180	–70°C to 180
Heat Changing Ramp Rate	5°C to 25°C /min As per IEC 60068-3-5		5°C to 25°C /min As per IEC 60068-3-5	
Cool Changing Ramp Rate	5°C to 25°C /min As per IEC 60068-3-5		5°C to 25°C /min As per IEC 60068-3-5	
Humidity Range – RH	10% to 98% RH			
Condenser Type	Water Cold Condenser			

Bluevion Corrosion (Salt Fog Testing) Chamber specifically designed to examine various types of wide scope of applications. Our Salt spray chambers simulate corrosion conditions (salt solution and water that creates a "Fog" conditions) for Electroplated, chromium, nickel, copper, tin, galvanized materials or structures properties testing. Standard models meet the basic salt spray tests and International Test Standards requirements.

FEATURES

- Chamber Temperature Range: Ambient to 50°C
- Saturation Temperature Range : Ambient to 70°C
- Fog Collection Range : 0.5 to 2.5ml/ 80cm²/Hr (ASTM B-117)
- Standard Volumes: 300L / 800L / 1400L
- Chamber Construction: Molded Fiber reinforced plastic (FRP) with Vapor tight seal. White PU based paint.
- Controller Types: Touch Screen Panel (HMI / PLC / Modular Controller)
Single Set Point PID (without Program) Controller
- Supply Voltage 415V 3Ph+N+G / 220V 1Ph+N+G / ± 10% / 50Hz

OPTIONS

- Portholes
- Humidity control System
- Humidity Water Purification System
- Shelves
- Air Compressor
- RS232/485 networking

CORROSION TEST CHAMBER

MODELS – BSC	BSC-300	BSC-800	BSC-1400
Capacity – App Litters	300L	800L	1400L
Workspace Dim App (WxDxH)mm	850x600x600	1100x850x860	1400x1000x1000
Salt Solution Internal Capacity	50L	75L	100L
Chamber Temperature Range	Ambient to 55°C		
Saturator Temperature Range	Ambient to 70°C		
Fog Collection Range	0.5 to 2.5ml/ 80cm ² /Hr (ASTM B-117)		
Condenser Type	Programmable Controller / Single Set Point (without Program) Controller		

HUMIDITY CHAMBER

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

Blueviron standard and custom test chambers come with Advanced features user friendly Controller kit with touch panel display. Blueviron chambers simulate the extreme level conditions to fulfill your testing needs 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.

FEATURES

- Temperature Range: 0°C or Ambient Temperature to 80°C / 120°C / 150°C
- Humidity capability: 10% or 20% to 98% RH in the temperature range of +20°C to +85°C
- Standard Volumes: 160L / 390L / 660L / 900L
- Controller Types: Touch Screen Panel (HMI / PLC / Modular Controller)
 - Microprocessor Based PID Programmable Controller
- Supply Voltage 415V 3Ph+N+G / 220V 1Ph+N+G / $\pm 10\%$ / 50Hz
- Air Cold Condenser (Room Temperature 20°C to 25°C)

OPTIONS

- Inspection window
- Shelves (Tray)
- Port hole (50 or 120mm)
- Humidity Water Purification System
- RS232/485 networking

HC – HUMIDITY CHAMBER

MODELS - BHC	BHC-160-40	BHC-390-40	BHC-660-70	BHC-900-70
Capacity – App Liters	160L	390L	660L	900L
Workspace Dim App (WxDxH)mm	500x460x700	720x640x840	825x825x975	1000x900x1000
Temperature Range °C	Ambient to 150°C			
Humidity Range – RH	10% to 95% RH			
PID Controller	Programmable Controller / Touch Screen Controller			
Condenser Type	Air Cold Condenser			

BATTERY TEST CHAMBER

Blueviron specially design the Battery test chamber to test the Battery conditions such as battery charge or rechargeable and reliable. Battery conditions observe the Safety in mind smoking, destruction, and gas leakage from the battery applications such as electric hybrids vehicles.

We specially designed and configured Controller kit with various safety functions, advanced features and user friendly with touch panel display for Battery test chamber.

The chambers are comes with Explosion-proof safety cabinet and automatically open the pressure relief exhaust damper when the pressure is increased in the chamber.

FEATURES

- Temperature Range: 80°C / 120°C / 150°C to -20°C / -40°C / -55°C / -70°C
- Humidity capability: 10% to 98% RH
- Standard Volumes: 500L / 1000L
- Standard model Rate of temperature change (°C/Min): 1°C to 10°C /min (IEC 60068-3-5)
- Controller Types: Touch Screen Panel (HMI / PLC / Modular Controller)
- Supply Voltage 415V \pm 10% / 50Hz / 3Ph+N+G
- Water Cold Condenser (Water Temperature 10°C to 20°C)

OPTIONS

- Hazard Severity Level : 0, 1, 2, 3, 4, 5, 6, 7
- Gas Detector Or Sensor (HC, GN₂, O₂, CO₂)
- Interior Light - Explosion Proof Type
- Heavy Duty Door And Latch / Locks
- Electromagnetic Door Lock With Chain
- Pressure Release Port
- Workspace Mechanical Exhaust Damper
- Co2 Fire Extinguisher
- Nitrogen Purge - Reduces Oxygen Levels In The Chamber
- 3 Tier Tower Lamp
- Emergency Switch
- Flameproof Cabinet

BATTERY TEST CHAMBER

MODELS - BTC	BTC-500-40	BTC -500-70	BTC -1000-40	BTC -1000-70
Capacity - App Litters	500L	500L	1000L	1000L
Workspace Dim App (WxDxH)mm	800x700x900	800x700x 900	1000x1000x1000	1000x1000x1000
Temperature Range °C	-40°C to 150	-70°C to 150	-40°C to 150	-70°C to 150
Heat Changing Ramp Rate	1 to 5°C /min As per IEC 60068-3-5			
Cool Changing Ramp Rate	1 to 5°C /min As per IEC 60068-3-5			
Humidity Range - RH	10% to 98% RH			
Condenser Type	Water Cold Condenser			

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		

Blueviron Vacuum Chambers simulate the low pressure conditions. Simultaneous of Air pressure tests for products under the various levels of real-life conditions.

Blueviron design products can precisely simulate the real-life conditions and the chambers come with user friendly Controller kit with touch panel display to meet's customers testing needs. We offer a wide range selection of vacuum chambers and Heavy duty Vacuum pump, Refrigeration system provides reliable performance.

FEATURES

- Rectangular Vacuum Tank Volumes: 220L / 660L / 990L / 1500L
- Horizontal Cylindrical Vacuum Tank Volumes: 130L / 500L / 1100L / 2900L
- (*Custom sizes of chambers are available on user's demand)
- Vacuum Range: 10 mbar (100,000 feet) or *Custom Range: Ambient to 1 (mbar)
- Controller Types: Touch Screen Panel (HMI / PLC / Modular Controller)
Microprocessor Based PID Programmable Controller
- Supply Voltage 415V \pm 10% / 50Hz / 3Ph+N+G

OPTIONS

- Inspection window
- Shelves (Tray)
- Port hole (50 or 120mm)
- RS232/485 networking

RVC – RECTANGULAR VACUUM CHAMBER

MODELS - RVC	RVC 220-10M	RVC 660-10M	RVC 990-10M	RVC 1500-10M
Capacity – App Litters	220L	660L	990L	1500L
Workspace Dim App (WxDxH)mm	650x460x750	825x825x975	1000x900x1000	1100x1250x1100
Vacuum Range (Mbar)	Up to 10Mbar			
Vacuum Pump	Single / Two Stage Oil Rotary Pump			

HCVC – HORIZONTAL CYLINDRICAL VACUUM CHAMBER

MODELS	HCVC130-10M	HCVC500-10M	HCVC1100-10M	HCVC2900-10M
Capacity – App Litters	130L	660L	1100L	2900L
Workspace Dim App (LxD)mm	800x450	1000x800	1400x1000	1900x1400
Vacuum Range (Mbar)	Up to 10Mbar			
Vacuum Pump	Single / Two Stage Oil Rotary Pump			

WALK-IN CHAMBER

Bluevion has been a specialist in Design, development and manufacture of a wide range of Walk-In test Chambers to simulate the specific requirements of environmental conditions as per international standards.

Bluevion standard and custom test chambers come with Advanced features user friendly Controller kit with touch panel display. Bluevion chambers simulate the extreme level conditions to fulfill your testing needs 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.

Bluevion 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.

FEATURES

- Temperature Range: 80°C / 120°C / 150°C / 180°C to -20°C / -40°C / -55°C / -70°C
- Humidity capability: 20% to 98% RH
- Standard Volumes: 2530L / 8000L / 17500L
- Standard model Rate of temperature change (°C/Min): 1°C to 5°C /min (IEC 60068-3-5)
- Controller Types: Touch Screen Panel (HMI / PLC / Modular Controller)
Microprocessor Based PID Programmable Controller
- Supply Voltage 415V \pm 10% / 50Hz / 3Ph+N+G
- Air Cold Condenser (Room Temperature 20°C to 25°C)
- Water Cold Condenser (Water Temperature 10°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

SOLID WALK IN

MODELS – BSW	BSWTH-2530-40	BSWTH-2530-70	BSWTH-8000-40	BSWTH-8000-70
Capacity – App Liters	2530L	2530L	8000L	8000L
Workspace Dim App (WxDxH)mm	1300x1300x1500	1300x1300x1500	2000x2000x2000	2000x2000x2000
Temperature Range °C	-40°C to 180	-70°C to 180	-40°C to 180	-70°C to 180
Heat Changing Ramp Rate	1 to 3°C/min As per IEC 60068-3-5 (Customized available)			
Cool Changing Ramp Rate	1 to 3 /min As per IEC 60068-3-5 (Customized available)			
Humidity Range – RH	20% to 98% RH			
Refrigeration Condenser Type	Water Cold Condenser			

PANELIZED WALK IN

Construction: PUF Panelized chambers are built by Pre-fabricated PUF panels with CAM Interlocking. Panels are easy to move-in and easy to assemble the chambers.

MODELS – BPW	BPWTH-8000-40	BPWTH-8000-70	BPWTH-17500-40	BPWTH-17500-70
Capacity – App Liters	8000L	8000L	17500L	17500L
Workspace Dim App (WxDxH)mm	2000x2000x2000	2000x2000x2000	2800x2500x2500	2800x2500x2500
Temperature Range °C	-40°C to 120	-70°C to 120	-40°C to 120	-70°C to 120
Heat Changing Ramp Rate	1 to 3°C/min As per IEC 60068-3-5 (Customized available)			
Cool Changing Ramp Rate	1 to 3 /min As per IEC 60068-3-5 (Customized available)			
Humidity Range – RH	20% to 98% RH			
Refrigeration Condenser Type	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.

SL NO	MICROPROCESSOR PID PROGRAM CONTROLLER FEATURES
1	Controller : Eurotherm 2604,2404,2704
2	Channels – Temperature, Humidity, Vacuum (Pressure)
3	Temperature & Safety PT100 Sensors
4	RH – Electronic Humidity Sensor / PT100 Wet Sensor for Humidity
5	High & Low Safety Controller or Thermostat
6	Trips Indication: Temperature High & Low, Fan Motor, Compressor High & Low pressure, Compressor Ams
7	Operation : Program or manual
8	Communication :RS232, RS485
9	Multi-level, password based system
10	I-Tools Software – Graph: Transfers data in a XL sheet
11	Heating to be controlled by solid state relay
12	Heater wiring to be flame proof
13	Door Limit Switch & Interior Light
14	Electrical Safety – Heat limits, fuses or Circuit breakers, EMI protection for control circuit
15	Alarm for faulty condition
16	Easy power plug in system
17	All wires color coded with numbers
18	E-Stop Emergency Safety stop button
19	Three /Single Phase Preventer protections
20	Parts Make: 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



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