



CLIMATIC CHAMBER

CLIMATIC CHAMBER BEV1P1 TO BEV1P6

CLIMATE (LIGHT) CHAMBER



Balanced refrigeration, small temperature fluctuations, and set the automatic defrost, multiple layers of security protection, required to meet the long-running, with the well-known international brand compressor with delay protection function and smooth running.

Introduction of green philosophy, the use of Freon R134 refrigerant and make the system more energy efficient, healthier environment.

The temperature control system with upgraded LCD display, programmable microcomputer intelligent PID control technology, with timing, ultra-high temperature alarm function.

The unique air circulation, soft wind, to ensure temperature uniformity.

Illumination five levels can be adjusted, liner is made of mirror stainless steel, up and down pitch adjustable shelf.

SPECIFICATIONS

Model	BEV1P1	BEV1P2	BEV1P3
Old Model	BCPG-101	BCPG-102	BCPG-103
Temp range (°C)	With illumination 10~60°C, With no illumination 5~60°C		
Humidity range (%)	50%~90%, humidity fluctuation ±5%RH		
Temperature uniformity values (°C)	±1		±1.5
Illumination (LX)	0~10000	0~15000	
Illumination set range	Five level (20%, 40%, 60%, 80%, 100%)		
Timing range	0~99h		
Power (W)	900	1000	1200
Voltage (V)	220		
Accuracy (°C)	±0.1		
Volume (L)	150	250	350
Inner size (mm) (H*W*D)	800x500x380	1000x550x450	1000x580x600
Overall dimension (mm) (H*W*D)	1525x735x680	1775x785x750	1775x815x900
Packing size (mm) (H*W*D)	1680x810x760	1925x860x830	1925x890x980
Net weight (KG)	120	155	188
Shipping weight (KG)	128	165	198
Alt Name	Illumination (Ray radiation) incubator		

Model	BEV1P4	BEV1P5	BEV1P6
Old Model	BCCL-101	BCCL-102	BCCL-103
Temp range (°C)	With illumination 10~50°C, With no illumination 5~60°C		
Temperature uniformity values (°C)	±1		±1.5
Illumination (LX)	0~10000	0~15000	
Illumination set range	Five level (20%, 40%, 60%, 80%, 100%)		
Timing range	0~99h		
Power (W)	900	1000	1200
Voltage (V)	220		
Accuracy (°C)	±0.1		
Volume (L)	150	250	350
Inner size (mm) (H*W*D)	800x500x380	1000x550x450	1000x580x600
Overall dimension (mm) (H*W*D)	1525x735x680	1775x785x750	1775x815x900

Packing size (mm) (H*W*D)	1680x810x760	1925x860x830	1925x890x980
Net weight (KG)	120	155	188
Shipping weight (KG)	128	165	198
Alt Name	Illumination (light) incubator		

ACCESSORIES FOR PURCHASE

No	Name
1	portable printer
2	RS232 port
3	gas outfit
4	electric outfit



1

FEATURES

Balanced refrigeration, small temperature fluctuations, and set the automatic defrost, multiple layers of security protection, required to meet the long-running, with the well-known international brand compressor with delay protection function and smooth running. Introduction of green philosophy, the use of Freon R134 refrigerant and make the system more energy efficient, healthier environment.

The temperature control system with upgraded LCD display, programmable microcomputer intelligent PID control technology, with timing, ultra-high temperature alarm function.

The unique air circulation, soft wind, to ensure temperature uniformity.

Illumination five levels can be adjusted, liner is made of mirror stainless steel, up and down pitch adjustable shelf.

The double door design, built-in tempered glass viewing window, the items inside can be clearly observed.

Artificial climate chamber with built-in high-capacity intelligent humidification systems, and automatic replenishment by the external tank.



Mirror stainless steel

High temperature resistance, fire resistance, corrosion resistance, can be recycled.



Professional lighting system:

Using a three-surface light source, use mirror stainless steel in the cavity as reflective material, so that the lighting effect is better, and the light source classification is adjustable.



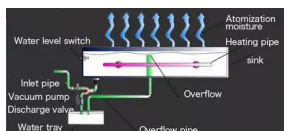
Double door:

Internal toughened glass door, easy to observe, outer silicone seal ring, good sealing.



Silicone sealing ring:

High quality silicone seals, high temperature, good sealing.



Humidifying system:

Original Humidification Design, Automatic Water Filling Design, Automatic Water Level Control, Precise Addition and Control of Humidity, SUS304 Stainless Steel in the Inner Chamber and Water Tank, Guaranteed Atomization Quality and Persistence.



Fluorine-free balanced refrigeration system:

Using fluorine-free R134 refrigerant, energy-saving and efficient, green, with inlet and outlet.



Switch:

There is a power switch on the side, safe use of electricity.



Cold rolled steel plate:

Shell using environmentally friendly electrostatic treatment, high quality cold rolled steel plate.



Lighting tube:
High-intensity fluorescent lamp, adjustable in illuminance.



Intelligent temperature controller:
Intelligent LCD temperature controller, intuitive display, stable measurement and control, easy to operate.

APPLICATIONS

Applies to plant seed germination, seedling cultivation, the cultivation and preservation of bacteria, microbes, small animals, insects, feeding, product quality testing and other uses of light, constant temperature experiments. Simulate natural climate and environment, through the light control simulation during the day and night, the humidity inside (this feature is limited to artificial climate incubator, the temperature can be adjusted to a constant temperature degree is an ideal environment test equipment for such as biology, medicine, agriculture and animal husbandry, forestry, environmental science research departments.

CLIMATIC CHAMBER BGI1BF1 TO BGI1BF19

TEMPERATURE & HUMIDITY CHAMBER



Touch Screen Humidity Chamber

- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the height between the shelves in the chamber are adjustable.
- Homogeneity air circulating system.
- With temperature and humidity sensor.
- With programmable controller, large LCD screen.
- R134A refrigerant, With compressor and fan motor.
- A 25mm validation port on side of the chamber for easy testing operation and temperature validation.
- Over temperature and temperature deviation alarms.
- Compressor over-heat and over-load protections, fan motor over-heat and waterlack protections.

SPECIFICATIONS

Model	BGI1BF1	BGI1BF2	BGI1BF3
Old Model	BCCL-1401	BCCL-1402	BCCL-1403
Temperature control range	RT+10~85°C		
Temperature accuracy	0.1°C		
Temperature Stability	±1.0°C		
Humidity control range	80~95%RH		
Humidity Accuracy	±3%RH		
Power Consumption	1450W	1650W	2050W

Ambient Temperature	+5~30°C		
Electrical Requirement	220V 50HZ		
Interior Dimension (WxDxH,mm)	350x300x500	500x400x550	600x500x820
Exterior Dimension (WxDxH,mm)	720x620x725	650x800x1310	750x900x1580
Shelves	2PCS		
Alt Name	Temperature & Humidity Chamber		
Model	BGI1BF4	BGI1BF5	BGI1BF6
Old Model	BCCL-1404	BCCL-1405	BCCL-1406
Temperature control range	L:10~100°C	A:-20~100°C	B:40~100°C
Temperature accuracy	0.1°C		
Temperature Stability	High temp: ±0.5°C Low temp: ±1°C		
Humidity control range	35~95%RH		
Humidity Accuracy	±3%RH		
Power Consumption	1700W	2250W	2650W
Ambient Temperature	+5~30°C		
Electrical Requirement	220V 50HZ		
Interior Dimension (WxDxH,mm)	350x300x500		400x380x450
Exterior Dimension (WxDxH,mm)	720x620x725		650x1040x1650
Shelves	2PCS		
Alt Name	Temperature & Humidity Chamber		
Model	BGI1BF7	BGI1BF8	BGI1BF9
Old Model	BCCL-1407	BCCL-1408	BCCL-1409
Temperature control range	L:10~100°C	A:-20~100°C	B:40~100°C
Temperature accuracy	0.1°C		
Temperature Stability	High temp: ±0.5°C Low temp: ±1°C		
Humidity control range	35~95%RH		
Humidity Accuracy	±3%RH		
Power Consumption	1900W	2300W	7050W
Ambient Temperature	+5~30°C		
Electrical Requirement	220V 50HZ		380V 50HZ
Interior Dimension (WxDxH,mm)	500x400x550		500x400x600
Exterior Dimension (WxDxH,mm)	650x800x1310		700x1040x1750
Shelves	2PCS		
Alt Name	Temperature & Humidity Chamber		
Model	BGI1BF10	BGI1BF11	BGI1BF12
Old Model	BCCL-1410	BCCL-1411	BCCL-1412
Temperature control range	L:10~100°C	A:-20~100°C	B:40~100°C
Temperature accuracy	0.1°C		
Temperature Stability	High temp: ±0.5°C Low temp: ±1°C		
Humidity control range	35~95%RH		
Humidity Accuracy	±3%RH		
Power Consumption	2300W	2700W	7100W
Ambient Temperature	+5~30°C		
Electrical Requirement	220V 50HZ		380V 50HZ
Interior Dimension (WxDxH,mm)	600x500x820		
Exterior Dimension (WxDxH,mm)	750x900x1580		
Shelves	3PCS		

Alt Name	Temperature & Humidity Chamber		
Model	BGI1BF13	BGI1BF14	BGI1BF15
Old Model	BCCL-1413	BCCL-1414	BCCL-1415
Temperature control range	L:10~100°C	A:-20~100°C	B:40~100°C
Temperature accuracy	0.1°C		
Temperature Stability	High temp: ±0.5°C Low temp: ±1°C		
Humidity control range	35~95%RH		
Humidity Accuracy	±3%RH		
Power Consumption	3850W	4150W	7850W
Ambient Temperature	+5~30°C		
Electrical Requirement	220V 50HZ		380V 50HZ
Interior Dimension (WxDxH,mm)	670x720x1020		
Exterior Dimension (WxDxH,mm)	850x1100x1930		
Shelves	3PCS		
Alt Name	Temperature & Humidity Chamber		

Model	BGI1BF16	BGI1BF17	BGI1BF18	BGI1BF19
Old Model	BCCL-1416	BCCL-1418	BCCL-1417	BCCL-1419
Temperature control range	L:10~100℃		A:-20~100℃	
Temperature accuracy	0.1℃			
Temperature Stability	High temp: ±0.5℃Low temp: ±1℃			
Humidity control range	35~95%RH			
Humidity Accuracy	±3%RH			
Power Consumption	8050W			
Ambient Temperature	+5~30℃			
Electrical Requirement	380V 50HZ			
Interior Dimension (WxDxH,mm)	800x590x1650	1050x590x1650	800x590x1650	1050x590x1650
Exterior Dimension (WxDxH,mm)	1475x890x1780	1700x890x1950	1475x890x1780	1700x890x1950
Shelves	3PCS			
Alt Name	Temperature & Humidity Chamber			

FEATURES

Touch Screen Humidity Chamber

- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the height between the shelves in the chamber are adjustable.
- Homogeneity air circulating system.
- With temperature and humidity sensor.
- With programmable controller, large LCD screen.
- R134A refrigerant, With compressor and fan motor.
- A 25mm validation port on side of the chamber for easy testing operation and temperature validation.
- Over temperature and temperature deviation alarms.
- Compressor over-heat and over-load protections, fan motor over-heat and waterlack protections.
- Independent audible and visible temperature-limiting alarm system ensures experiments run safely.
- 100 groups with 1000 periods 999 circulations, max timing for each period is 99 hours 59 minutes.

Options:

- Micro printer
- Independent temperature limiting alarm system.
- RS485 connector can connect computer to record and print the parameters and the variations of temperature.

CLIMATIC CHAMBER BGI1BE1 TO BGI1BE10

TEMPERATURE & HUMIDITY CHAMBER

It is equipped with a precise system of temperature and humidity control, which provide various necessary environmental simulative conditions for industrial researches and biotechnology tests. Widely applied in sterile tests and stability check-up of pharmaceuticals, textile and food processing as well as tests in material, performance, packing and lifetime of industrial products.



Microprocessor controller (with timing function)

- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable.
- Microprocessor controller for temperature and humidity ensures of precise and reliable control.
- Imported compressor.
- Independent temperature-limiting alarm system ensures experiments run safely.
- Printer connector and RS485 connector are options which can connect printer and computer to record the parameters and the variations of temperature.(option)
- There is a 25mm instruction connection hole on the left side of the chamber for

SPECIFICATIONS

Model	BGI1BE1	BGI1BE2	BGI1BE3	BGI1BE4	BGI1BE5
Old Model	BCCL-1301	BCCL-1302	BCCL-1303	BCCL-1304	BCCL-1305
Temperature Range	-5~80℃				
Display Resolution	0.1℃				
Temperature Stability	High ±0.5℃ / Low ±1℃				
Temperature Uniformity	±2℃				
Humidity Range	40~85%				
Humidity Accuracy	±3%RH				
Power Consumption	2000W	2100W	2300W	3850W	8050W
Ambient Temperature	+5~35℃				
Electrical Requirement	220V 50Hz				380V 50Hz
Interior Dimension (WxDxH, mm)	400x400x500	550x405x670	600x500x830	670x720x1020	800x590x1650
Exterior Dimension (WxDxH, mm)	550x790x1080	690x800x1430	740x900x1580	850x1100x1930	1360x890x2000
Shelves	2PCS	3PCS			4PCS
Alt Name	Temperature & Humidity Chamber				

Model	BGI1BE6	BGI1BE7	BGI1BE8	BGI1BE9	BGI1BE10
Old Model	BCCL-1306	BCCL-1307	BCCL-1308	BCCL-1309	BCCL-1310
Temperature Range	10~70°C				
Display Resolution	0.1°C				
Temperature Stability	High $\pm 0.5^{\circ}\text{C}$ / Low $\pm 1^{\circ}\text{C}$				
Temperature Uniformity	$\pm 2^{\circ}\text{C}$				
Humidity Range	40~95%				
Humidity Accuracy	$\pm 3\%\text{RH}$				
Power Consumption	2000W	2100W	2300W	3850W	8050W
Ambient Temperature	+5~35°C				
Electrical Requirement	220V 50Hz				380V 50Hz

Interior Dimension (WxDxH, mm)	400x400x500	550x405x670	600x500x830	670x720x1020	800x590x1650
Exterior Dimension (WxDxH, mm)	550x790x1080	690x800x1430	740x900x1580	850x1100x1930	1360x890x2000
Shelves	2PCS	3PCS			4PCS
Alt Name	Temperature & Humidity Chamber				

ACCESSORIES FOR PURCHASE

No	Name
1	• Printer
2	• Independent temperature-limiting Alarm system



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1



2

FEATURES

Microprocessor controller (with timing function)

- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable.
- Microprocessor controller for temperature and humidity ensures of precise and reliable control.
- Imported compressor.
- Independent temperature-limiting alarm system ensures experiments run safely.
- Printer connector and RS485 connector are options which can connect printer and computer to record the parameters and the variations of temperature.(option)
- There is a 25mm instruction connection hole on the left side of the chamber for easy testing operation and temperature measurement.

CLIMATIC CHAMBER BGI1BI31 TO BGI1BI60

HIGH-LOW TEMPERATURE (ALTERNATE) TEST CHAMBER



Humanized design

- New fluorine-free design.
- Dry and wet ball type or capacitance type multifunctional humidity controller, can be used for set multi periods programmable.
- High-precision temperature and humidity sensors, long life, easy to operate.
- Standard with a $\phi 25\text{mm}$ or $\phi 50\text{mm}$ test hole on the left side of the chamber.
- Internal water bath easy to be pulled out to add water.

Quality Assurance

- Unique air circulation system to ensure the temperature and humidity uniformly.
- 304 stainless steel chamber, semicircular arcs at corners for easy cleaning.
- Intelligent programmable controller.

SPECIFICATIONS

Model	BGI1BI31	BGI1BI32	BGI1BI33	BGI1BI34	BGI1BI35
Temperature Range	20°C ~150°C				
Temperature Stability	±0.5°C				
Temperature Uniformity	±2°C				
Humidity Range	30~95%RH				

Humidity Stability	±3%RH				
Interior Dimension (WxDxH,mm)	400x380x450	500x400x600	600x600x700	800x700x900	1000x1000x1000
Electrical Requirement	AC220V 50Hz	AC380V 50Hz			
Power Consumption	3750W	5950W	6000W	6650W	12.4KW
Alt Name	High-low temperature &humidity test chamber				
Model	BGI1BI36	BGI1BI37	BGI1BI38	BGI1BI39	BGI1BI40
Temperature Range	40℃ ~150℃				
Temperature Stability	±0.5℃				
Temperature Uniformity	±2℃				
Humidity Range	30~95%RH				
Humidity Stability	±3%RH				
Interior Dimension (WxDxH,mm)	400x380x450	500x400x600	600x600x700	800x700x900	1000x1000x1000
Electrical Requirement	AC220V 50Hz	AC380V 50Hz			
Power Consumption	4150W	7050W	7100W	7850W	13.9KW
Alt Name	High-low temperature &humidity test chamber				
Model	BGI1BI41	BGI1BI42	BGI1BI43	BGI1BI44	BGI1BI45
Temperature Range	60℃ ~150℃				
Temperature Stability	±0.5℃				
Temperature Uniformity	±2℃				
Humidity Range	30~95%RH				
Humidity Stability	±3%RH				
Interior Dimension (WxDxH,mm)	400x380x450	500x400x600	600x600x700	800x700x900	1000x1000x1000
Electrical Requirement	AC220V 50Hz	AC380V 50Hz			
Power Consumption	5250W	9300W		7850W	15.4KW
Alt Name	High-low temperature &humidity test chamber				
Model	BGI1BI46	BGI1BI47	BGI1BI48	BGI1BI49	BGI1BI50
Temperature Range	20℃ ~150℃				
Temperature Stability	±0.5℃				
Temperature Uniformity	±2℃				
Humidity Range	30~95%RH				
Humidity Stability	±3%RH				
Interior Dimension (WxDxH,mm)	650x1040x1650	700x1040x1750	800x1160x1850	1000x1204x1985	1530x1500x1870
Electrical Requirement	AC220V 50Hz	AC380V 50Hz			
Power Consumption	3750W	5950W	6000W	6650W	12.4KW
Alt Name	High-low temperature(alternate) &humidity test chamber				
Model	BGI1BI51	BGI1BI52	BGI1BI53	BGI1BI54	BGI1BI55
Temperature Range	40℃ ~150℃				
Temperature Stability	±0.5℃				
Temperature Uniformity	±2℃				
Humidity Range	30~95%RH				
Humidity Stability	±3%RH				
Interior Dimension (WxDxH,mm)	650x1040x1650	700x1040x1750	800x1160x1850	1000x1204x1985	1530x1500x1870
Electrical Requirement	AC220V 50Hz	AC380V 50Hz			
Power Consumption	4150W	7050W	7100W	7850W	13.9KW
Alt Name	High-low temperature(alternate) &humidity test chamber				

Model	BGI1BI56	BGI1BI57	BGI1BI58	BGI1BI59	BGI1BI60
Temperature Range	60°C ~150°C				
Temperature Stability	±0.5°C				
Temperature Uniformity	±2°C				
Humidity Range	30~95%RH				
Humidity Stability	±3%RH				
Interior Dimension (WxDxH,mm)	650x1040x1650	700x1040x1750	800x1160x1850	1000x1204x1985	1530x1500x1870
Electrical Requirement	AC220V 50Hz	AC380V 50Hz			
Power Consumption	5250W	9300W		7850W	15.4KW
Alt Name	High-low temperature(alternate) &humidity test chamber				



FEATURES

Humanized design

- New fluorine-free design.
- Dry and wet ball type or capacitance type multifunctional humidity controller, can be used for set multi periods programmable.
- High-precision temperature and humidity sensors, long life, easy to operate.
- Standard with a $\phi 25\text{mm}$ or $\phi 50\text{mm}$ test hole on the left side of the chamber.
- Internal water bath easy to be pulled out to add water.

Quality Assurance

- Unique air circulation system to ensure the temperature and humidity uniformly.
- 304 stainless steel chamber, semicircular arcs at corners for easy cleaning.
- Intelligent programmable controller.

Safety function

- Independent temperature-limited alarm system ensures experiments run safely.
- High temperature, low and over-temperature alarm function.
- Compressor over-heat and over-load protections, fan motor overheat and water-lack protections.

Convenient data processing (option)

- RS485 or USB connector can connect computer to record and print the parameters and the variations of temperature.(option)

Programmable touch screen controller (option)

- Colorfull LCD touch screen controller, easy to observe and operation.
- Display current temperature and humidity curves.
- 100 groups with 1000 period's 999 circulations, max timing for each period is 99 hours 59 minutes.
- With screen lock function to avoid change the data or shut down by manual touch.
- With P.I.D automatic calculation function, it could correct the temperature and humidity conditions immediately.
- With RS-232 or RS-485 connector.
- It can monitor and control 9 sets equipments at the same time if install the professional software in computer.
- Real-time analysis and store the data by computer, it's convenient to print the Excel documents or Word documents.

Options:

- Independent temperature-limiting Alarm system
- RS485 connector and software



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