



CLIMATIC CHAMBER

CLIMATIC CHAMBER BER1Y1 BER1Y2 BER1Y3

CLIMATE CHAMBER WITH ILLUMINATION



1. Double door structure, with high quality stalinite to observe sample.
2. 7.0 inch true color touch screen display, convenient to view historical temperature data and Appointment auto start and stop.
3. Full spectrum 0-30000LX adjustable multiple levels, 30 sections programmed Temp. LUX and time controller.
4. Full spectrum LED top light source design, high illumination, low thermal radiation, long service life, removable Light partition, adjustable layer space.
5. The evaporator temperature is collectively controlled by the backflow valve and expansion

SPECIFICATIONS

Model	BER1Y1	BER1Y2	BER1Y3
Cycle Mode	Forced convection, Rear micropore. Supply air in front of the plate		
Function			
--Temp. Range	Without illumination: 5 - 65°C; With illumination: 10 - 65°C		
--Temp. Resolution Ratio	0.1°C		
--Temp. Motion	±0.5°C		
--Temp. Uniformity	±1.0°C		
--Illumination (LX)	Full spectrum 0-30000LX many degrees for adjusting		
Structure			
--Inner Chamber	SUS304 stainless steel sheet		
--Outer Shell	Cold rolling steel electrostatic spraying exterior		
--Thermal Insulation Material	Polyurethane		
--Light Barrier	Standard four-layer full spectrum LED lamp board		
--Heater	Stainless steel heating tube		
--Power Rating	2.0kW	2.2kW	2.5kW
--Compressor	Imported air-cooled sealed compressor		
--Coolant	R134a		
--Defrosting Structure	Automatic		
--Leading Wire Hole	The outer diameter of standard inflation port interface is 10mm		
Controller			
--Temp. Control Mode	30 segment program		
--Temp. Setting Mode	Touch screen settings		
--Temp. Display Mode	7.0 inch true color touch screen display		
--Operation Function	Fixed temperature operation, timing function, auto stop, Appointment start, Program Operature		
--Program Pattern	Standard configuration		
--Sensor	PT100		
--Additional Function	Make an appointment to switch on and off, query the historical temperature data curve, store and export the U disk data, correct deviation, lock the menu key, power failure compensation, power failure memory, circuit self-diagnosis and intelligent defrosting		
Safety Device	Over temperature will automatically cut off the heating, long-term under temperature cut off the refrigeration system, protect the sample; loop self-diagnosis		
Specification			

--Inner Chamber Size (W*L*H)(mm)	600*500*840	630*580*960	630*670*1100
--Exterior Size (W*L*H)(mm)	794*726*1600	824*806*1720	824*896*1860
--Packing Size (W*L*H)(mm)	893*863*1850	943*923*1960	923*1033*2110
--Volume	250L	350L	450L
--Load Per Rack	15kg		
--Shelf Space	120mm		
--Supply (50/60Hz) Current Rating	AC220V/4.5A	AC220V/5.0A	AC220V/5.5A
--NW/GW (kg)	220/250	250/290	300/340
Accessory			
--Shelf	4		
--Shelf Plate	8		
Optional Accessories	Light barrier, USB interface and upper computer software, printer, wireless SMS alarm, CO2 concentration control		
Alt Name	Climate Chamber With Illumination		

FEATURES

1. Double door structure, with high quality stalinite to observe sample.
2. 7.0 inch true color touch screen display, convenient to view historical temperature data and Appointment auto start and stop.
3. Full spectrum 0-30000LX adjustable multiple levels, 30 sections programmed Temp. LUX and time controller.
4. Full spectrum LED top light source design, high illumination, low thermal radiation, long service life, removable Light partition, adjustable layer space.
5. The evaporator temperature is collectively controlled by the backflow valve and expansion valve, greatly prolonging the service life of the compressor.
6. High precision digital independent temperature controller.
7. Imported high quality temperature sensor and compressor.

APPLICATIONS

Light culture of microorganism, cell tissue, seedling, insect and small animal.

CLIMATIC CHAMBER BER1Z1 BER1Z2 BER1Z3

CLIMATE CHAMBER WITH HUMIDITY CONTROL PLANT GROWTH CHAMBER



1. Double door structure, with high quality stalinite to observe sample.
2. 7.0 inch true color touch screen display, convenient to view historical temperature data and Appointment auto start and stop.
3. Full spectrum multi-stage adjustable multiple levels, 30 sections programmed Temp. LUX and RH controller.
4. Full spectrum LED top light source design, high illumination, low thermal radiation, long service life, removable Light partition, adjustable layer space.
5. Internal humidification system. Small humidifier particles, high humidity uniformity, small water

SPECIFICATIONS

Model	BER1Z1	BER1Z2	BER1Z3
Cycle Mode	Forced convection, Rear micropore. Supply air in front of the plate		
Function			
--Temp. Range	Without illumination: 5 - 65°C; With illumination: 10 - 65°C		
--Temp. Resolution Ratio	0.1°C		
--Temp. Motion	±0.5°C		
--Temp. Uniformity	±1.0°C		
--Illumination (LX)	Full spectrum 0-30000LX many degrees for adjusting		
--Humidity Range	40% ~ 95% RH		
--Humidity Motion	±5% RH		
Structure			
--Inner Chamber	SUS304 stainless steel sheet		
--Outer Shell	Cold rolling steel electrostatic spraying exterior		
--Thermal Insulation Material	Polyurethane		
--Light Barrier	Standard four-layer full spectrum LED lamp board		
--Heater	Stainless steel heating tube		
--Power Rating	2.0kW	2.2kW	2.5kW
--Compressor	Imported air-cooled sealed compressor		
--Coolant	R134a		
--Defrosting Structure	Automatic		
--Humidity Control Mode	Automatic		
--Leading Wire Hole	The outer diameter of standard inflation port interface is 10mm		
Controller			
--Temp. Control Mode	30 sections program		
--Temp. Setting Mode	Touch screen settings		
--Temp. Display Mode	7.0 inch true color touch screen display		
--Operation Function	Fixed temperature operation, timing function, auto stop, Appointment start, Program operation		
--Program Pattern	Standard configuration		
--Sensor	PT100 Temp. Sensor, Imported chip humidity sensor		
--Additional Function	Appointment start/off, Historical temperature and humidity data curve query, U-disk data storage and export, deviation correction, Menu key locking, power failure compensation, power failure memory, loop self diagnosis, intelligent defrosting		
Safety Device	Over temperature will automatically cut off the heating, long-term under temperature cut off the refrigeration system, protect the sample; loop self diagnosis		
Specification			
--Inner Chamber Size (W*L*H)(mm)	600*500*840	630*580*960	630*670*1100
--Exterior Size (W*L*H)(mm)	794*726*1600	824*806*1720	824*896*1860
--Packing Size (W*L*H)(mm)	893*863*1850	943*923*1960	923*1033*2110
--Volume	250L	350L	450L
--Load Per Rack	15kg		
--Shelf Space	120mm		
--Supply (50/60Hz) Current Rating	AC220V/4.5A	AC220V/5.0A	AC220V/5.5A
--NW/GW (kg)	225/255	260/300	310/350
Accessory			
--Shelf	4		

--Shelf Plate	8
Optional Accessories	Light barrier, USB interface and upper computer software, printer, wireless SMS alarm, CO2 concentration control
Alt Name	Climate Chamber with Humidity Control Plant Growth Chamber

FEATURES

1. Double door structure, with high quality stalinite to observe sample.
2. 7.0 inch true color touch screen display, convenient to view historical temperature data and Appointment auto start and stop.
3. Full spectrum multi-stage adjustable multiple levels, 30 sections programmed Temp. LUX and RH controller.
4. Full spectrum LED top light source design, high illumination, low thermal radiation, long service life, removable Light partition, adjustable layer space.
5. Internal humidification system. Small humidifier particles, high humidity uniformity, small water consumption, with automatic water intake, water shortage alarm function.
6. The evaporator temperature is collectively controlled by the backflow valve and expansion valve, greatly prolonging the service life of the compressor.
7. Imported high quality temperature sensor and compressor.

APPLICATIONS

Light culture of microorganism, cell tissue, seedling, insect and small animal under the control pf precise humidity.

CLIMATIC CHAMBER BEV1G1 TO BEV1G6

INCUBATOR

Widely used in biological tissue, cell culture, seed germination, plant cultivation, small animal and insect feeding. Artificial Climate Chamber,Lighting Incubator can simulate day and night illumination change and climatic conditions, to meet the multi-segment ladder programming control. According to Chinese pharmacopoeia requirements, AS3100 of Australia, FDA of the United States, EN, ICH and other related standards. For long-term culture experiments. IQ, OQ, PQ and other related certification services. CE certification. Two-year warranty period.



Refrigeration Technology

World famous compressor: balanced refrigeration technology, auto defrost, multiple security system, long time running, environmental protection, high efficiency and energy saving.

Auto-defrost function: original rapid heat pump defrost technology, for continuous operation, effectively prevents frost because of continuous operation of evaporator.

Refrigeration effect manual control system: meet customer's terrible work environment.

Imported DuPont SUVA R134a environmental refrigerant. For a cleaner world, for better work conditions.

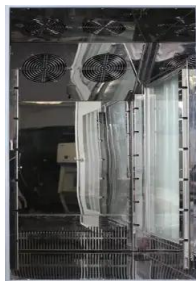
To save energy, to reduce the cost.

SPECIFICATIONS

Model	BEV1G1	BEV1G2	BEV1G3
Old Model	BCCL-301	BCCL-302	BCCL-303
Convection Mode	Forced Convection		
Control System	Thirty stages Microprocessor PID controller		
Temp. range	10~65°C (with lighting) / 0~60°C (without lighting)		
Temp. resolution	0.1		

Temp. Fluctuation (10-40°C)	±1		
Illumination Range	0~15000 (five stages adjustable)		
Timer Range	0~99 Hours, 0~9999 minutes, can be chose		
Working environment	Ambient temperature: 10~30°C, Humidity<70%		
Insulation materials	Imported environmental protection type material		
Interior materials	SUS304 Stainless steel materials		
Power supply voltage	Single phase AC220V/50Hz		
Temp. Uniformity (10-40°C)	±1	±1.5	
Humidity Range	Humidity Range: 50~90%RH, Humidity Fluctuation: ±3%RH		
External Dimensions (HxWxD)	1780x710x775	1780x770x815	1828x783x905
Internal Dimensions (HxWxD)	1100x480x480	1100x540x520	1148x554x610
Interior Volume (L)	250	300	400
Standard tray number	3	4	
Standard power (W)	1350		1550
Net Weight (KG)	162	183	194
Shipping Weight (KG)	172	198	214
Shipping Dimensions (HxWxD)	1965x800x900	1965x860x940	2017x880x1060
Alt Name	Artificial Climate Chamber		

Model	BEV1G4	BEV1G5	BEV1G6
Old Model	BCCL-201	BCCL-202	BCCL-203
Convection Mode	Forced Convection		
Control System	Thirty stages Microprocessor PID controller		
Temp. range	10~65°C (with lighting) / 0~60°C (without lighting)		
Temp. resolution	0.1		
Temp. Fluctuation (10-40°C)	±1		
Illumination Range	0~15000 (five stages adjustable)		
Timer Range	0~99 Hours, 0~9999 minutes, can be chose		
Working environment	Ambient temperature: 10~30°C, Humidity<70%		
Insulation materials	Imported environmental protection type material		
Interior materials	SUS304 Stainless steel materials		
Power supply voltage	Single phase AC220V/50Hz		
Temp. Uniformity (10-40°C)	±1	±1.5	
Humidity Range	N/A		
External Dimensions (HxWxD)	1780x710x775	1780x770x815	1828x783x905
Internal Dimensions (HxWxD)	1100x480x480	1100x540x520	1148x554x610
Interior Volume (L)	250	300	400
Standard tray number	3	4	
Standard power (W)	1350		1550
Net Weight (KG)	162	183	194
Shipping Weight (KG)	172	198	214
Shipping Dimensions (HxWxD)	1965x800x900	1965x860x940	2017x880x1060
Alt Name	Lighting Incubator		



ACCESSORIES FOR PURCHASE

No	Name
1	Portable printer
2	LCD touchscreen controller
3	Air Interface
4	Power supply interface
5	Software
6	Adjustable diaphragms illuminator
7	Different lighter, resulting in the desired spectrum

FEATURES

Refrigeration Technology

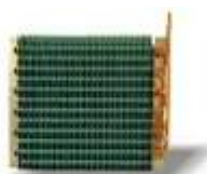
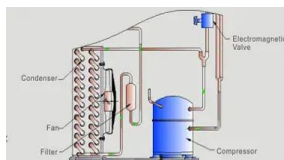
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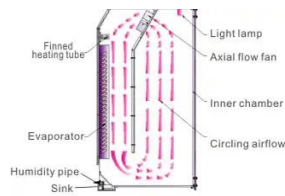
To save energy, to reduce the cost.



Perfect Air Current Cycling

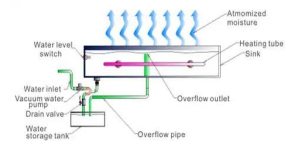
Air current cycling: perfect forced convection, maximum samples number of working room, minimum temperature recovery time after opening, world famous axial fan, perfect air current design, ensure an ideal result of samples culture.

Air current cycling: keep temperature continuous and stable, keep humidity continuous and stable, ensure perfect sample culture environment.



Humidification System

- Original design of humidification system, to prevent disadvantages (non-uniformity, instability) of traditional atomizer design.
- Automatic water intake, automatic water level control, ensure the precision of humidity control.
- Stainless steel SUS304 internal surface and water tank, ensure the quality of atomization and use persistence.



Programmable PID Control

Integrated dot-matrix LCD display, Chinese and English subtitles, all the parameters display clearly at a glance. friendly design, display parameters: temperature, humidity, illumination, circle, stage, running time, run/stop.

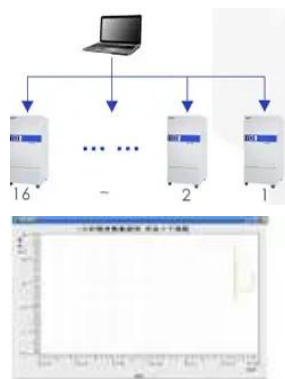
Adaptive PID controllers precisely control the temperature and humidity, prevent temperature soaring, keep the working room temperature stable and uniform.

User password protection, built-in multifunctional memory menu, connect to multiple devices (up to 16 units) by RS485 interface, real-time monitoring.

Programmable multi-sections control, to meet customer needs, temperature and humidity and illumination control up to 30 sets. Time setting: 0~99h, 0~9999m, programs can be executed automatically.

Set operations with beep tips

Remote-controlled operation, with programmable software (option).



Software Monitor



Excellent Imported Temperature And Humidity Sensor

Imported industrial temperature sensor PT100, short response time, low self-heating temperature.

Imported humidity sensor, aerospace material, no maintenance, precise humidity control level.



Pt100temperature sensor



Precise humidity sensor



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