



PLANT GROWTH CHAMBER

PLANT GROWTH CHAMBER

Designed for agricultural and botanical research applications, our chambers provide an ideal environment for plant growth. Its controlled temperature and humidity along with different levels of light intensities supports optimum growth of plants and seeds.

Also known as Tissue Culture, Laboratory Plant Growth Chamber.

100 PLANT GROWTH CHAMBER



- LCD display
- Balance Refrigeration
- Adopt without fluorine R134a refrigerant technology
- Duct circulation
- Unique air circulation
- Stainless steel internal material
- Programmable intelligent PID control
- Double door design
- Built-in high capacity humidifier and automatic water replenishment by the external tank

SPECIFICATIONS

Model	BCPG-101	BCPG-102	BCPG-103
Capacity	150 L	250 L	350 L
Temperature Range	10~50(with Illumination), 5~50(without Illumination)		
Temperature Accuracy	±0.5℃		
Humidity Range	50-90%RH		
Humidity Fluctuation	±5%RH		
Illumination Range	0~10000 lux	0~15000 lux	
Timer Range	0~999 hr		
Shelves	2		
Inner Dimension	800 x 500 x 380 mm	1000 x 550 x 450 mm	1200 x 550 x 550 mm
Overall Dimension	1525 x 730 x 680 mm	1775 x 785 x 750 mm	1775 x 815 x 900 mm
Weight (Net/Gross)	120 kg	155 kg	188 kg
Power	900 W	1000 W	1200 W
Power Supply	220V 50/60Hz		



BCPG-101



BCPG-102



BCPG-103

1700 PLANT GROWTH CHAMBER



Microprocessor controller for temperature and humidity ensures of precise and reliable control

Simulate changing temperature and light in day/night

Independent temperature-limiting alarm system ensures experiments run safely.

Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable

Even air circulation

Imported compressor

RS485 connector is option which can connect computer to record the parameters and the variations of temperature

SPECIFICATIONS

Model	BCPG-1701	BCPG-1702	BCPG-1703	BCPG-1704
Capacity	300 L			450 L
Display Resolution	0.1℃			
Temperature Uniformity	±2℃			
Shaking Speed Range	1200 W	1450 W		2000 W
Temperature Range	With Lighting: 10-50℃ Without lighting 4-50℃			
Temperature Stability	±1℃			
Ambient Temperature	+5-30℃			
Continuous Working Time	No less than 180h			
Lighting Intensity	0-15000LX Six-grade adjustable	0-20000LX Six-grade adjustable		0-25000LX Six-grade adjustable
Lighting Type	Two surface Illumination	Three surface illumination		
Interior Dimension	520Wx550Dx1140H mm			700Wx550Dx1140H mm
Exterior Dimension	830Wx850Dx1850H mm			950Wx850Dx1850H mm
Shelves	3 pcs			

Model	BCPG-1705	BCPG-1706	BCPG-1707
Capacity	450 L	800 L	
Display Resolution	0.1℃		
Temperature Uniformity	±2℃		
Shaking Speed Range	2000 W	3650 W	
Temperature Range	With Lighting: 10-50℃ Without lighting 4-50℃		
Temperature Stability	±1℃		
Ambient Temperature	+5-30℃		
Continuous Working Time	No less than 180h		
Lighting Intensity	0-25000LX Six-grade adjustable	0-30000LX Six-grade adjustable	
Lighting Type	Three surface illumination	Shelves illumination (two Shelves)	
Interior Dimension	700Wx550Dx1140H mm	965Wx580Dx1430H mm	
Exterior Dimension	950Wx850Dx1850H mm	1475Wx890Dx1780H mm	
Shelves	3 pcs		



BCPG-1701



BCPG-1702



BCPG-1703



BCPG-1704



BCPG-1705



BCPG-1706



BCPG-1707

1800 PLANT GROWTH CHAMBER



Microprocessor controller for temperature and humidity ensures of precise and reliable control

Simulate changing temperature and light in day/night

Independent temperature-limiting alarm system ensures experiments run safely.

Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable

Even air circulation

Imported compressor

RS485 connector is option which can connect computer to record the parameters and the variations of temperature

SPECIFICATIONS

Model	BCPG-1801	BCPG-1802	BCPG-1803
Capacity	300 L		450 L
Display Resolution	0.1°C		
Temperature Uniformity	±2°C		
Shaking Speed Range	1500 W		2050 W
Temperature Range	With Lighting: 10-50°C Without lighting 4-50°C		
Temperature Stability	±1°C		
Ambient Temperature	+5-30°C		
Humidity Range	50-90%RH		
Humidity Accuracy	±5-7%RH		
Continuous Working Time	No less than 180h		
Lighting Intensity	0-20000LX Six-grade adjustable		0-25000LX Six-grade adjustable
Lighting Type	Three surface illumination		
Interior Dimension	520Wx550Dx1140H mm		700Wx550Dx1140H mm

Exterior Dimension	830Wx850Dx1850H mm	950Wx850Dx1850H mm	
Shelves	3 pcs		

Model	BCPG-1804	BCPG-1805	BCPG-1806
Capacity	450 L	800 L	
Display Resolution	0.1℃		
Temperature Uniformity	±2℃		
Shaking Speed Range	2050 W	4100 W	3700 W
Temperature Range	With Lighting: 10-50℃ Without lighting 4-50℃		
Temperature Stability	±1℃		
Ambient Temperature	+5-30℃		
Humidity Range	50-90%RH		
Humidity Accuracy	±5-7%RH		
Continuous Working Time	No less than 180h		
Lighting Intensity	0-25000LX Six-grade adjustable	0-30000LX Six-grade adjustable	
Lighting Type	Three surface illumination	Shelves illumination (two Shelves)	
Interior Dimension	700Wx550Dx1140H mm	965Wx580Dx1430H mm	
Exterior Dimension	950Wx850Dx1850H mm	1475Wx890Dx1780H mm	
Shelves	3 pcs		



BCPG-1801



BCPG-1802



BCPG-1803



BCPG-1804



BCPG-1805



BCPG-1806

1900 PLANT GROWTH CHAMBER



Microprocessor controller for temperature and humidity and light intensity, 30 programs

Large LCD screen

Simulate changing temperature and light in day/night

Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable

R134a refrigerant, two imported compressors, continuous running time

Independent temperature-limiting alarm system ensures experiments run safely

RS485 connector is option which can connect computer to record the parameters and the variations of temperature

SPECIFICATIONS

Model	BCPG-1901	BCPG-1902	BCPG-1903
Capacity	250 L	300 L	450 L
Display Resolution	0.1°C		
Temperature Range	Without Lighting: 0-50°C , With lighting: 10-50°C		
Temperature Stability	±1°C		
Temperature Uniformity	±1.5°C		
Lighting Type	One surface illumination (front door)		Three surface illumination
Programmer Function	Temperature, humidity, light intensity, can be set separately, and 30 programmers Time range is 1-99 hours 59mins for each programmer		
Power Consumption	1700 W		2000 W
Electrical Requirement	220 V 50 HZ		
Ambient Temperature	RT+5-30°C		
Interior Dimension	580Wx510Dx835H mm	520Wx550Dx1140H mm	700Wx550Dx1140H mm
ExteriorDimension	725Wx740Dx1550H mm	830Wx850Dx1850H mm	950Wx850Dx1850H mm
Shelves	3 pcs		
Humidity Range	-	-	-
Humidity Accuracy	-	-	-

Model	BCPG-1904	BCPG-1905	BCPG-1906
Capacity	300 L	450 L	800 L
Display Resolution	0.1°C		
Temperature Range	Without Lighting: 0-50°C , With lighting: 10-50°C		
Temperature Stability	±1°C		
Temperature Uniformity	±1.5°C		±2°C
Lighting Type	Three surface illumination		Shelves illumination(two Shelves)
Programmer Function	Temperature, humidity, light intensity, can be set separately, and 30 programmers Time range is 1-99 hours 59mins for each programmer		
Power Consumption	1700 W	2050 W	3700 W
Electrical Requirement	220 V 50 HZ		380 V 50 HZ
Ambient Temperature	RT+5-30°C		
Interior Dimension	520Wx550Dx1140H mm	700Wx550Dx1140H mm	800Wx590Dx1650H mm
ExteriorDimension	830Wx850Dx1850H mm	950Wx850Dx1850H mm	1475Wx890Dx1780H mm

Shelves	3 pcs	
Humidity Range	50-90%RH	-
Humidity Accuracy	±5-7%RH	-

Model	BCPG-1907	BCPG-1908	BCPG-1909
Capacity	1000 L	800 L	1000 L
Display Resolution	0.1°C		
Temperature Range	Without Lighting: 0-50°C , With lighting: 10-50°C		
Temperature Stability	±1°C		
Temperature Uniformity	±2°C		
Lighting Type	Shelves illumination(two Shelves)		
Programmer Function	Temperature, humidity, light intensity, can be set separately, and 30 programmers Time range is 1-99 hours 59mins for each programmer		
Power Consumption	4800 W	3800 W	5000 W
Electrical Requirement	380 V 50 HZ		
Ambient Temperature	RT+5-30°C		
Interior Dimension	1050Wx590Dx1650H mm	800Wx590Dx1650H mm	1050Wx590Dx1650H mm
ExteriorDimension	1411Wx890Dx1950H mm	1475Wx890Dx1780H mm	1411Wx890Dx1950H mm
Shelves	3 pcs		
Humidity Range	-	50-90%RH	
Humidity Accuracy	-	±5-7%RH	



BCPG-1901



BCPG-1903



BCPG-1904



BCPG-1905



Biolab Scientific Ltd.

3660 Midland Avenue, Suite 300, Toronto, Ontario M1V 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com