INCUBATOR

Cooling incubator

Advanced Color Intelligent Touch Screen Control
- 5.0 Inch Touch screen, intelligent touch control, real-time display of parameters, simple and convenient operation.
- Quick setting of temperature, time and other parameters can be carried out. It has the function of program setting.
- It can be programmed in 7 segments, 63 steps, 9 steps and 1-99 hours and 59 minutes per segment.
- With touch screen automatic locking function to prevent non-related personnel from disoperation.

Professional LCD Controller (L Series)
- Intelligent program control with high brightness LCD screen, button operation and real-time display of parameters.
- Quick setting of temperature, time and other parameters can be carried out.
- It has the function of program setting. It can be programmed in 7segments, 63 steps, 9 steps and 1-99 hours and 59 minutes per segment.

Professional anti-skid and anti-overturning shelf design
- Shelf has anti-inclination function to avoid falling off when shelf is pulled out.
- Shelf has anti-lock function, the shelf will be locked when it is pulled out half, so as to avoid the loss caused by the direct slide of the shelf.

Ultraviolet sterilization system (option)
- Ultraviolet lamp is located on the upper wall of the box body. It can disinfect the box body regularly and kill the plankton bacteria in the circulating air of the box body effectively so as to prevent the pollution during cell culture.

Professional duct design
- With a unique duct design, the use of large impeller fans, fast temperature rise and fall, stable temperature control, good temperature uniformity.
- The circulating fan has adjustable speed, middle and low grades, so as to avoid the volatilization of samples due to excessive air flow during the test.
- Famous brand fan, high efficiency, low noise, energy saving and environmental protection.

Stainless steel inner liner
- 304 stainless steel, mirror polishing, strong anti-corruption ability.
- Large arc angle design, no dead angle, easy cleaning and maintenance.

Refrigeration system
- International brand compressors, with high refrigeration efficiency and low noise, shorten cooling time by 40% compared with traditional cryogenic equipment, save energy and protect environment.
- Minimum temperature up to - 10 C, with refrigeration and heating functions.
- Automatic switching of refrigeration and heating, high control accuracy and fast temperature stability.

Reserved test hole
- External detection sensor can real-time detect the temperature inside the box through the test hole to ensure that the temperature inside the box is accurate and reliable.

Cooling incubator

Humanized design

- With casters, flexible and convenient to move.
- With reservation and timing functions, there is no need to wait, which effectively improves the efficiency of the experiment.
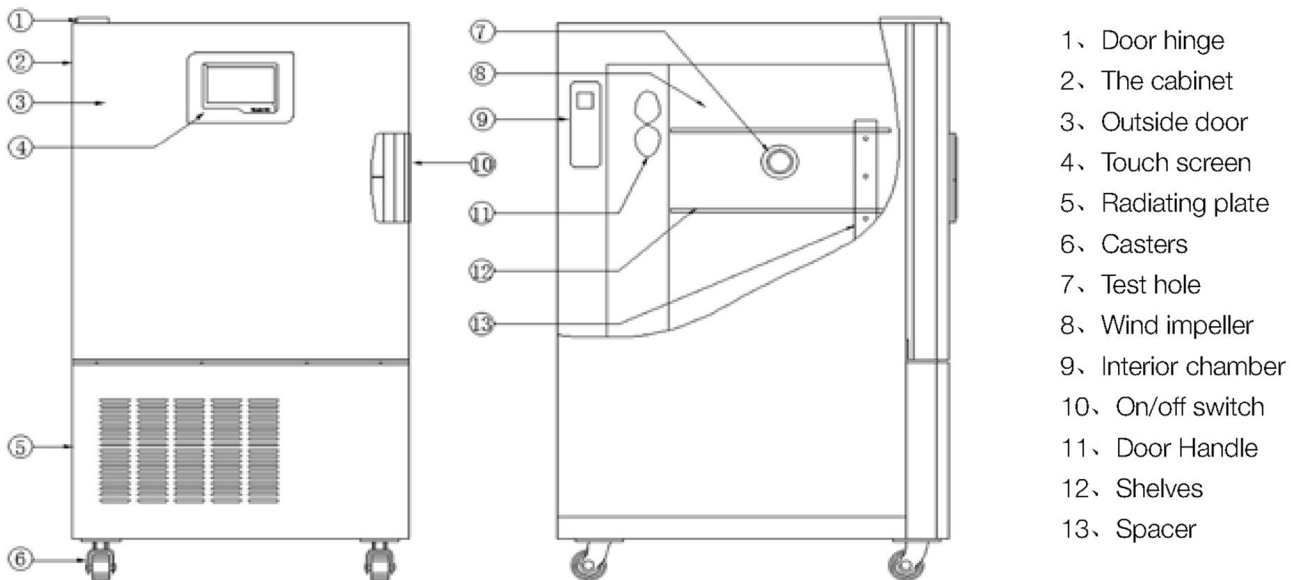- Available in Chinese and English menus to meet different language needs, with °C / °F conversion.

Safty

- **Protection on instruments:** Comply international standard secondary temp limiting alarm system. When the heating is out of control or exceeds the maximum limit temperature, the heating is automatically cut off with sound and light alarm, ensure operating is safe without any accident.
- **Protection on key components:** Key components are equipped with over-current, over-temperature, overload and other safety protection to prevent accident.
- **Protection on samples:** When the temperature inside the box is higher or lower than the set temperature, the alarm will start to cut off the heater, with sound and light alarm to remind the operator to protect the sample from normal test without accident.
- **Protection on operator:** The cabinet and door are specially insulated to make the surface temperature of the cabinet low, ensuring the operator's safety and no accidents.
- **Breakdown message provided:** When the instrument breakdown, the message will shown on the screen to help operator clearly check.

Convenient data processing

- The touch screen type standard with a USB interface, which can record the change status of the temperature parameters. The LCD screen is option for USB interface.
- It can be equipped with RS232 data interface, which can realize remote control of the machine through software (option).
- RS-232 and USB can be selected one of them.

Cooling incubator Structure diagram

1、 Door hinge
2、 The cabinet
3、 Outside door
4、 Touch screen
5、 Radiating plate
6、 Casters
7、 Test hole
8、 Wind impeller
9、 Interior chamber
10、 On/off switch
11、 Door Handle
12、 Shelves
13、 Spacer

Cooling incubator

Technical parameters

Model	Gentiana BC-60 BC-60L	Gentiana BJ-60 BJ-60L	Gentiana BC-120 BC-120L	Gentiana BJ-120 BJ-120L	Gentiana BC-250 BC-250L	Gentiana BJ-250 BJ-250L	Gentiana BC-500 BC-500L	Gentiana BJ-500 BJ-500L
Capacity（L）	68L		120L		252L		495L	
Temp range	-10~80℃							
Display Resolution	0.1℃							
Uniformity	±1.0℃							
Timing Range	1~5999mins							
Max number of shelves	2(10)		3(14)		3(16)		4(16)	
Max load per shelf	20Kg							
NW	85Kg		100Kg		120Kg		220Kg	
Interior Dimension W×D×H(mm)	400×380×450		500×400×600		550×600×750		670×725×1020	
Exterior Dimension W×D×H(mm)	545×670×1000		645×690×1150		695×890×1300		850×1095×1935	
Electrical Requirement	AC 220V-240V, 60Hz							
Power Consumption	1300W		1500W		1700W		2250W	
UV lamp	option	standard	option	standard	option	standard	option	standard

GentianaBC/BJ series touch screen controller   GentianaBC/BJ-L series LCD controller
GentianaBC series Cooling incubator   GentianaBJ series Cooling incubator with uv lamp

Heating Incubator

Advanced Color Intelligent Touch Screen Control
- 4.3 Inch Touch screen, intelligent touch control, real-time display of parameters, simple and convenient operation.
- Quick setting of temperature, time and other parameters can be carried out.
- It has the function of program setting. It can be programmed in 7 segments, 63 steps, 9 steps and 1-99 hours and 59 minutes per segment.
- With touch screen automatic locking function to prevent non-related personnel from disoperation.
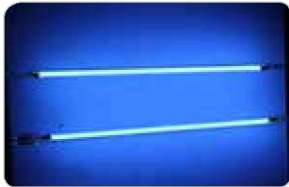
Professional LCD Controller (GentianaL Series)
- Intelligent program control with high brightness LCD screen, button operation and real-time display of parameters.
- Quick setting of temperature, time and other parameters can be carried out.
- It has the function of program setting. It can be programmed in 7segments, 63 steps, 9 steps and 1-99 hours and 59 minutes per segment.

Professional anti-skid and anti-overturning shelf design
- Shelf has anti-inclination function to avoid falling off when shelf is pulled out.
- Shelf has anti-lock function, the shelf will be locked when it is pulled out half, so as to avoid the loss caused by the direct slide of the shelf.

Ultraviolet sterilization system (option)
- Ultraviolet lamp is located on the upper wall of the box body. It can disinfect the box body regularly and kill the plankton bacteria in the circulating air of the box body effectively so as to prevent the pollution during cell culture.

Professional duct design
- With a unique duct design, the use of large impeller fans, fast temperature rise and fall, stable temperature control, good temperature uniformity.
- The circulating fan has adjustable speed, middle and low grades, so as to avoid the volatilization of samples due to excessive air flow during the test.
- Famous brand fan, high efficiency, low noise, energy saving and environmental protection.

Stainless steel inner liner
- 304 stainless steel, mirror polishing, strong anti-corruption ability.
- Large arc angle design, no dead angle, easy cleaning and maintenance.

Sample temperature sensor (optional)
- Optional sample temperature sensor, real-time detection of sample temperature, so that the temperature is more real and reliable.

Double Convection Model
- Fan power can be adjusted from 0% (equivalent to natural convection) - 100% four gears, which can meet the training requirements of different airflow.

Temperature test hole
- External detection sensor can real-time detect the temperature inside the box through the test hole to ensure that the temperature inside the box is accurate and reliable.

Temperature limit alarm system
- When the temperature control system is out of control and the temperature exceeds the limit temperature, the heating is automatically interrupted to ensure the safety of testing.

Heating Incubator

Humanized design

- Adopting direct heating system, the heating speed is fast and the control precision is high.
- PID control technology, high control precision and small temperature fluctuation.
- Available in Chinese and English menus to meet different language needs, with °C / °F conversion.
- The height of the shelf is adjustable to meet different cultivation needs.
- Professional stacking foot design, the machine can be stacked, saving lab space and improving the use efficiency (same specification).

Convenient data processing

- The touch screen type standard with a USB interface, which can record the change status of the temperature parameters. The LCD screen is option for USB interface.
- It can be equipped with RS232 data interface, which can realize remote control of the machine through software (option).
- RS-232 and USB can be selected one of them.

Safety

- Protection on instruments: Comply international standard secondary temp limiting alarm system. When the heating is out of control or exceeds the maximum limit temperature, the heating is automatically cut off with sound and light alarm, ensure operating is safe without any accident.
- Protection on key components: Key components are equipped with over-current, over-temperature, overload and other safety protection to prevent accident.
- Protection on samples: When the temperature inside the box is higher or lower than the set temperature, the alarm will start to cut off the heater, with sound and light alarm to remind the operator to protect the sample from normal test without accident.
- Protection on operator: The cabinet and door are specially insulated to make the surface temperature of the cabinet low, ensuring the operator's safety and no accidents.
- Breakdown message provided: When the instrument breakdown, the message will shown on the screen to help operator clearly check.

Technical parameters (Natural Convection)

Model	Gentiana BI-35T / BI-35TL	Gentiana BI-55T / BI-55TL	Gentiana BI-120T / BI-120TL	Gentiana BI-200T / BI-200TL
Capacity（L）	34L	54L	124L	222L
Temp range	RT+5~80℃			
Display Resolution	±0.2℃			
Uniformity(at 37℃)	±0.8℃			
Display Resolution	0.1℃			
Max number of shelves	2(5)	2(9)	2(12)	2(16)
Max load per shelf	20Kg			
NW	44Kg	53Kg	79Kg	108Kg
Timing Range	1~5999mins			
Interior Dimension W×D×H(mm)	320×300×320	400×330×380	520×450×490	650×500×650
Exterior Dimension W×D×H(mm)	610×520×580	690×468×640	810×588×755	940×658×910
Electrical Requirement	AC 220V-240V, 60Hz			
Power Consumption	250W	300W	550W	700W

GentianaBI-T series touch screen controller   GentianaBI-TL series LCD controller

Technical parameters (Air Forced)

Model	Gentiana BI-35F / BI-35FL	Gentiana BI-55F / BI-55FL	Gentiana BI-120F / BI-120FL	Gentiana BI-200F / BI-200FL	Gentiana BI-400F / BI-400FL
Capacity（L）	35L	67L	146L	253L	420L
Temp range	RT+5~80℃				
Display Resolution	±0.2℃				
Uniformity(at 37℃)	±0.8℃				
Display Resolution	0.1℃				
Max number of shelves	2(5)	2(6)	2(10)	2(16)	23
Max load per shelf	20Kg				
NW	48Kg	56Kg	82Kg	119Kg	160Kg
Timing Range	1~5999mins				
Interior Dimension W×D×H(mm)	320×300×320	400×305×415	520×430×530	650×500×650	1000×800×530
Exterior Dimension W×D×H(mm)	610×550×545	690×560×640	810×685×755	940×755×875	1285×980×750
Electrical Requirement	AC 220V-240V, 60Hz				
Power Consumption	300W	350W	600W	700W	1000W

GentianaBI-F series touch screen controller   GentianaBI-FL series LCD controller

※ The outer dimensions do not include hinges, handles, gauges, wires, etc., and the internal dimensions do not include the duct section.

※ All test data are tested in a 25℃ environment.

※ If the maximum temperature is to reach 300℃, please note in advance before ordering.

Heating Incubator

Microprocessor Controller (with timing function)

Summary

Provided as a necessary equipment for scientific research to colleges as well as biological, agricultural and scientific research departments for storage of mould and biology cultivation.

Features

- Microprocessor controller (with timing function)
- With inner glass door for easy observation.
- Polished stainless-steel chamber.
- Independent temperature-limiting alarm system ensures experiments run safely.(Option)
- Printer connector and RS485 connector are options which can connect printer and computer to record the parameters and the variations of temperature.(Option)
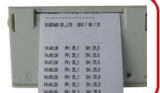
Heating Incubator(Forced air)

Model	Gentiana DHP-9012 DHP-9012B	Gentiana DHP-9032 DHP-9032B	Gentiana DHP-9052 DHP-9052B	Gentiana DHP-9082 DHP-9082B	Gentiana DHP-9162 DHP-9162B	Gentiana DHP-9272 DHP-9272B	Gentiana DHP-9402 DHP-9602 DHP-9902
Electrical Requirement	AC 220V-240V, 60Hz						
Temperature Range	RT+5~65℃						
Display Resolution	0.1℃ /±0.5℃						
Ambient Temperature	+5~35℃						
Temperature Uniformity	±1.5℃ (at 37℃)						±1.5(at 37℃)
Power consumption	200W	200W	300W	400W	600W	750W	1100W/1400W/2200W
Chanber Volume	16L	35L	50L	80L	160L	270L	420L/620L/1000L
Interior Dimension (W×D×H)mm	250×260×250	340×320×320	415×360×355	500×400×400	500×500×650	600×600×750	640×585×1355 840×600×1355 1000×600×1600
Exterior Dimension (W×D×H)mm	530×480×420	620×490×490	690×500×500	780×530×560	790×630×810	890×740×910	780×750×1880 980×800×1880 1140×800×2150
Shelves(pcs)	2						3/4/4
Timing Range	0~5999min						
Remark	LCD display is marked with an "A"; model GentianaDHP-9012(B) with observation window and without inner glass door.						

Options:

- Printer

- Independent temperature-limiting Alarm system

- RS485 connector

- UV Sterilizer

Heating Incubator

LCD Programmable controller (with timing function)

Features:

- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable.
- Auto-controller of fan speed to prevent damage to the samples.
- Large LCD screen to display more data at same time.
- Self-check function easy to identify problems.
- Over temperature and temperature difference alarms.
- There is a 25mm instruction connection hole on the left side of the chamber for easy testing operation and temperature measurement.
- Programmable controller: 7 periods 63 steps, 0 ~ 5999mins for each periods, fan speed 0 to 100% adjustable.
- Independent audible and visible temperature-limiting alarm system ensures experiments run safely.
- RS485 connector can connect computer and printer to record the parameters and the variations of temperature.(Option)
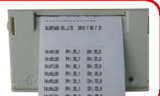
Specifications

Model	GentianaBPH-9042	GentianaBPH-9082	GentianaBPH-9162	GentianaBPH-9272	GentianaBPH-9402
Electrical Requirement	AC 220V-240V, 60Hz				
Controller	LCD Programmable controller				
Temperature Range	RT+5℃ ~80℃				
Display Resolution	0.1℃				
Temperature Stability	±0.2℃				
Temperature Uniformity	±1.5(at 37℃)				
Ambient Temperature	+5~35℃				
Power Consumption	250W	250W	500W	600W	1200W
Interior Dimension(W×D×H)mm	350×300×400	400×320×550	500×380×750	600×450×900	1000×510×800
Exterio Dimension(W×D×H)mm	505×635×600	550×660×750	655×715×980	755×785×1130	1140×850×1080
Shelves	2(pcs)				
Timing Range	0~5999min				
Remark	Model GentianaBPH-9042 without observation window				

Options:

- Printer

- USB data collect

- RS485 connector

- UV Sterilizer

Natural Convection Incubator

Technical Advantage Performance and Features

- Temperature Range: Amb+5℃ ~65℃ .
- P.I.D temperature controller provides accurate and reliable temperature control.
- Natural convection heating allows the sample temperature to be uniform, suitable for sterilization, powder drying and high temperature storage.
- Extended Life Silicone Rubber Gasket provides excellent sealing and long service life, but is easily replaced when the time for replacement is needed.

Convenience

- Volume(10L~210L).
- Inner chamber is made from corrosion-resistant mirror stainless steel.
- Round curved inner angle is easy to clean.
- Anti-skid shelf design, easy to operate by single hand.

Safety

- Auto Start Feature after power loss/return.
- Temperature deviation alarm.
- Over current protection alarm.
- Independent Over-temperature protection meets DIN 12880 International standard requirements provides you double protection.(Option)

Specifications

Model	GentianaDHP-9011	GentianaDHP-9031	GentianaDHP-9051	GentianaDHP-9121	GentianaDHP-9211
Electrical Requirement	AC 220V-240V, 60Hz				
Temperature Range	Amb+5~65℃				
Display Resolution	0.1℃				
Ambient Temperature	+5~35℃				
Power Consumption	85W	125 W	250 W	550W	900W
Inner glass door	None		Has		
Viewing window	Has		None		
Chamber Volume	10L	35L	55L	115L	210L
Interior Dimension (W×D×H ,mm)	250×200×200	320×300×320	400×410×360	520×450×485	650×500×650
Exterior Dimension (W×D×H, mm)	460×300×330	530×400×450	640×550×510	785×588×715	915×658×870
Shelves	2PCS			3PCS	

Options:

- Intelligent programmable temperature controller

- Independent temperature-limiting Alarm system

- RS485 connector

Cooling Incubator

LED/LCD Microprocessor Controller (with timing function)

The cooling incubator is ideal for every application in microbiological field.
The range of temperature allows the growth of microorganisms in every environmental situation.

Features

- 304 stainless steel, mirror polishing processing, easy to clean and maintain.
- PID controller with over temperature alarm and timing function ensures precise and reliable control, also guarantee an excellent control by microprocessor and the limited number of setting keys ensures an extremely simple and intuitive operability.
- The inner lamp for observation of the samples is standard supplied.
- 3 fan speed meets all requirements of different experiments.
- Famous brand compressor with refrigerant R134a.

Option

- Independent over-temperature alarm system ensures experiments running safely.
- RS 485 connector can connect computer to save the data via software.
- A side through-hole diameter of 25 mm in order to install one or more temperature sensors inside the chamber.

GentianaLRH-70(F)   GentianaLRH-150(F)   GentianaLRH-250(F)   GentianaLRH-1000F   GentianaLRH-1500F

Specifications

Model	Gentiana LRH-70F LRH-70	Gentiana LRH-150 LRH-150F	Gentiana LRH-250 LRH-250F	Gentiana LRH-500F	Gentiana LRH-800F	Gentiana LRH-1000F	Gentiana LRH-1500F
Temperature Range	0~60℃						
Display Resolution	0.1℃						
Temperature Stability	HIGH±0.5℃ LOW±1.0℃						
Temperature Uniformity	±1.5℃			±2.5℃			
Electrical Requirement	AC 220V-240V, 60Hz						380V 60Hz
Ambient Temperature	+5℃ ~30℃						
Power consumption	450W	500W	600W	2100W	4100W	4100W	5000W
Chamber Volume	70L	150L	248L	492L	778L	1000L	1500L
Interior Dimension (W×D×H)mm	400×350×500	503×470×808	540×460×1000	670×720×1020	800×590×1650	1050×590×1650	1550×590×1650
External Dimension (W×D×H)mm	530×560×1080	600×630×1360	637×662×1590	850×1100×1930	1475×890×1780	1410×890×1950	2110×890×2050
Shelves	2(pcs)	3(pcs)					
Timing Range	0~5999min						
Remark	"F" model is with LCD display LRH-1000F, LRH-1500F is standard with two doors						

※ Specification test under non-load condition: ambient temperature is 20℃,and relative humidity is 50%.

Cooling Incubator

LCD Programmable controller (with timing function)

Features:

- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable.
- Latest PID LCD Programmable controller: 7 periods 63 steps, 0 to 5999mins for each periods, fan speed 0 to 100% adjustable.
- Independent temperature-limiting alarm system ensures experiments run safely.
- There is a 25mm instruction connection hole on the left side of the chamber for easy testing operation and temperature measurement.
- Using environmentally friendly R134a refrigerant,fast cooling speed,saving energy and protecting environment.Auto-controller of fan speed to prevent damage to the samples.
- Shaker can be put inside BEING incubator to function as shaking incubator.
- Printer connector and RS485 connector are options which can connect printer and computer to record the parameters and the variations of temperature.(Option)

Specifications

Model	GentianaBPC-70F	GentianaBPC-150F	GentianaBPC-250F	GentianaBPC-500F
Controller	LCD Programmable controller			
Temperature Range	-5~70℃			
Display Resolution	0.1℃			
Temperature Stability	HIGH±0.3℃ LOW±0.5℃			
Temperature Uniformity	±1.5℃ (at 25℃)			
Electrical Requirement	AC 220V-240V, 60Hz			
Ambient Temperature	+5~35℃			
Power consumption	650W	850W	1300W	2250W
Chamber Volume	70L	150L	250L	495L
Interior Dimension(W×D×H)mm	400×440×500	500×460×800	520×550×1050	670×725×1020
Shelves	2(pcs)	3(pcs)		
Timing Range	1~5999min			

Options:

- Printer
- USB data collect

- BOD socket
- UV Sterilizer

- RS485 connector

Cooling Incubator

Microprocessor control

Summary:
Serve for preserve culture medium, serum, medicine as well as microorganism training and environmental testing etc.

Features:
- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable.
- Latest PID controller
- R134a refrigerant, imported compressor
- Independent temperature-limiting alarm system ensures experiments run safely.(Option)
- 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.

Specifications

Model	Gentiana LRH-50CL LRH-50CA LRH-50CB	Gentiana LRH-100CL LRH-100CA LRH-100CB	Gentiana LRH-150CL LRH-150CA LRH-150CB	Gentiana LRH-250CL LRH-250CA LRH-250CB	Gentiana LRH-500CL LRH-500CA LRH-500CB
Temperature Range	CL: -10℃ ~65℃		CA: -20℃ ~65℃	CB: -40℃ ~65℃	
Display Resolution	0.1℃				
Temperature Stability	High:±0.5℃ Low:±1℃				
Electrical Requirement	AC 220V-240V, 60Hz	CA/CA: AC 220V-240V, 60Hz		CB: 380V 60Hz	
Ambient Temperature	+5℃ ~35℃				
Power consumption	1100W 1100W 2800W	1100W 1200W 4100W	1300W 1300W 5100W	1500W 1600W 6100W	2250W 2550W 7100W
Interior Dimension(W×D×H)mm	400×300×420 400×300×420 400×380×450	500×400×600 500×400×600 500×400×600	550×405×670 550×405×670 550×430×670	600×500×830 600×500×830 600×600×700	670×720×1020 670×720×1020 800×700×900
Exterior Dimension(W×D×H)mm	660×720×930 660×720×930 650×1040×1650	650×770×1320 650×770×1320 700×1040×1750	690×800×1410 690×800×1410 750×1040×1810	740×900×1580 740×900×1580 800×1160×1850	850×1100×1930 850×1100×1930 1000×1204×1985
Shelves	2(pcs)	3(pcs)			
Timing Range	0~9999min				

Options:

- Printer

- Independent temperature-limiting Alarm system
- BOD socket

- RS485 connector

- UV Sterilizer

CO_2 Incubator

With Imported Infrared CO_2 Sensor

Features

- Touch screen controller, 72-hour machine operation record query function to help user tracking abnormal conditions and trace historical operation information.
- Faster CO_2 concentration Restoration Speed.
- Infrared sensor can keep CO_2 concentration stability and uniformity when door open frequently.
- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning(except water-jacketed type) , and the space between the shelves in the chamber is adjustable.
- Microorganism filter at inlet provides 99.99% filtration of bacteria and dust (Φ <0.3μm) and supplies pure CO_2 into the incubator.
- Door temperature controller prevents dewfall on glass door of incubator effectively.
- Independent audible and visible temperature-limiting alarm system ensures experiments run safely.
- Alarm function for temperature difference, CO_2 over concentration and concentration difference, door open time, UV working status.
- Auto-controller of fan speed to prevent damage to the samples.
- 90℃ high temperature and humidity streilization function.(RHP series)

Options

- RS485 Connector: easy to download and save all the data via RS-485 into computer, and identify problems in time.
- High effective filter provides filtration of bacteria and dust.
- CO_2 pressure releasing valve.
- Humidity display system.
- Printer(Nested).
- Temperature-limiting alarm system.

touch screen

Specifications

Model	Gentiana BPN-40RHP	Gentiana BPN-80RHP	Gentiana BPN-150RHP	Gentiana BPN-190RHP	Gentiana BPN-240RHP	Gentiana BPN-60RWP	Gentiana BPN-170RWP	Gentiana BPN-240RWP
Electrical Requirement	AC 220V-240V, 60Hz							
Screen	7" Touch screen							
Power Consumption	350W	500W	700W	750W	1000W	500W	700W	1000W
Heating Method	Air-jacketed, PID Control					Water-jacketed, PID Control		
Temperature Range	RT+5~50℃							
Ambient Temperature	+5~30℃							
Temperature Stability	±0.1℃							
CO_2 Range	0~ 20% V/V							
CO_2 Control Resolution	±0.1%(IR sensor)							
CO_2 Recovery	(Door open 30s,recovery to 5%) ≤ 3min							
Temperature Recovery	(Door open 30s,recovery to 37℃) ≤ 8min							
Humidity Method	Natural vaporization ≥ 90%							
Chamber Volume	40L	80L	150L	190L	240L	60L	170L	240L
Interior Dimension (W×D×H)mm	400×286×350	400×450×500	480×530×610	520×530×690	600×630×670	380×290×550	530×460×720	600×520×780
Exterior Dimension (W×D×H)mm	590×440×576	590×687×790	670×770×880	708×710×1030	790×840×940	534×530×790	684×700×960	754×760×1020
Shelves	2(pcs)		3(pcs)			2(pcs)	3(pcs)	
Sterilization method	18hrs (90°C moist heat disinfection)					UV Sterilizer		

CO_2 Incubator

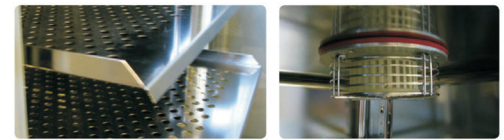## With Imported Infrared CO_2 Sensor

Features

- Faster CO_2 concentration Restoration Speed.
- Imported Infrared sensor can keep CO_2 concentration stability and uniformity when door open frequently.
- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable.
- Microorganism filter at inlet provides 99.99% filtration of bacteria and dust ($\Phi<0.3\mu m$) and supplies pure CO_2 into the incubator.
- Door temperature controller prevents dewfall on glass door of incubator effectively.
- Independent audible and visible temperature-limiting alarm system ensures experiments run safely.
- Alarm function for temperature difference, CO_2 over concentration and concentration difference,door open time, UV working status.
- Auto-controller of fan speed to prevent damage to the samples.
- UV light system for periodic sterilization of chamber.
- PID controller with LCD screen ensures precise and reliable control.
- Two-layer stacking available.

Options

- RS485 Connector: Easy to download and save all the data via RS485 into computer, and identify problems in time.
- High effective filter provides filtration of bacteria and dust.
- CO_2 pressure releasing valve.
- Humidity display system.

shelf   fan

Specifications

Model	GentianaBPN-40CRH	GentianaBPN-80CRH(UV)	GentianaBPN-150CRH(UV)	GentianaBPN-240CRH(UV)
Chamber Volume	40L	80L	150L	240L
Temperature Range	Ambient+5℃ ~50℃			
Electrical Requirement	AC 220V-240V, 60Hz			
Power Consumption	350W	500W	750W	950W
Ambient Temperature	+5~30℃			
Heating Method	Air-jacketed, PID Control			
Temperature Resolution	0.1			
Temperature Stability	±0.1℃			
Temperature uniformity(37℃)	±0.3℃			
CO_2 Range	0~ 20% V/V			
CO_2 Control Resolution	±0.1%(IR sensor)			
CO_2 Recovery	(Door open 30s,recovery to 5%) ≤ 3min			
Temperature Recovery	(Door open 30s,recovery to 37℃) ≤ 8min			
Humidity Method	Natural vaporization ≥ 90%			
Shelves	2(pcs)		3(pcs)	
Interior Dimension (W×H×D)mm	400×286×350	400×450×500	480×530×610	600×630×670
Exterior Dimension(W×H×D)mm	590×440×576	590×687×790	670×767×880	788×837×940
Sterilization method	18hrs (90°C moist heat disinfection)			

CO$_2$ Incubator

With Infrared CO$_2$ Sensor

Features

- Faster CO$_2$ concentration Restoration Speed.
- Infrared sensor can keep CO$_2$ concentration stability and uniformity when door open frequently.
- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning(except water-jacketed type), and the space between the shelves in the chamber is adjustable.
- Microorganism filter at inlet provides 99.99% filtration of bacteria and dust ($\Phi <0.3\mu m$) and supplies pure CO$_2$ into the incubator.
- Door temperature controller prevents dewfall on glass door of incubator effectively.
- Independent audible and visible temperature-limiting alarm system ensures experiments run safely.(Option)
- Alarm function for temperature difference, CO$_2$ over concentration and concentration difference, door open time, UV working status.
- Auto-controller of fan speed to prevent damage to the samples.
- UV light system for periodic sterilization of chamber.
- PID controller with LCD screen ensures precise and reliable control.
- Two-layer stacking available.

Options

- RS-485 Connector: easy to download and save all the data via RS-485 into computer, and identify problems in time.
- High effective filter provides filtration of bacteria and dust.
- CO2 pressure releasing valve
- Humidity display system
- Printer(Nested)
- Temperature-limiting alarm system
- Cooling system

Specifications

Model	Gentiana BPN-50CH(UV) BPN-80CH(UV)	Gentiana BPN-150CH(UV) BPN-190CH(UV)	Gentiana BPN-240CH(UV)	Gentiana BPN-30CW(UV) BPN-80CW(UV)	Gentiana BPN-150CW(UV)
Electrical Requirement	AC 220V-240V, 60Hz				
Power Consumption	450W/500W	750W	750W	250W/680W	950W
Heating Method	Air-jacketed, PID Control			Water-jacketed, PID Control	
Temperature Range	RT+5~50℃				
Ambient Temperature	+5~30℃				
Temperature Stability	±0.2℃			±0.1℃	
CO$_2$ Range	0~ 20% V/V				
CO$_2$ Control Resolution	±0.1%(IR sensor)				
CO$_2$ Recovery	(Door open 30s,recovery to 5%) ≤ 3min				
Temperature Recovery	(Door open 30s,recovery to 37℃) ≤ 8min				
Humidity Method	Natural vaporization ≥ 90%				
Chamber Volume	50L/80L	150L/190L	240L	26L/80L	150L
Interior Dimension(W×D×H)mm	400×350×350 400×450×500	480×530×610 520×530×690	600×630×670	290×290×310 400×400×500	500×500×650
Exterior Dimension(W×D×H)mm	580×450×540 590×657×870	670×710×950 708×710×1030	788×837×940	440×410×544 550×520×764	650×615×914
Shelves	2(pcs)	2(pcs)	3(pcs)	2(pcs)	3(pcs)
Sterilization method	UV Sterilizer				