





- Oven /
- Vacuum Oven /
- Heating Incubator /
- Cooling Incubator /
 - CO₂ Incubator /
- Temperature & Humidity Chamber /
 - Shaker /
 - Water Bath /
 - Magnetic Stirrer /

 - Rotary Evaporator /

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Forced Air Oven



Natural Convection Oven

₹ ₹ € © Us

LED Microprocessor Controller (with timing function)

Provided for desiccation, torrefaction, wax-melting and sterilization in mining industry, laboratories and scientific research institutes.

Features

- 304 stainless steel, mirror polishing processing, easy to clean and maintain.
- PID controller with over temperature alarm and timing function ensures precise and
- Air circulation system with specific air flow channel ensures a good temperature uniformity performance.
- Silicon door gasket with long lifetime, and easy to change.
- A damper adjustment in the front ensures the gas convection enough in working

Option

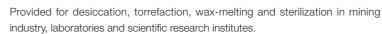
- Independent over-temperature alarm system ensures experiments running safely.
- RS 485 connector can connect computer to save the data via software.

Specifications



Model	DHG-9015A DHG-9035A	DHG-9055A	DHG-9075A	DHG-9145A	DHG-9245A	DHG-9425A	DHG-9625A
Electrical Requirements			220V 50Hz			380V	50Hz
Temperature Range				RT+10~300℃			
Display Resolution				0.1℃			
Temperature Stability		±1°C					
Temperature uniformity		±3% (at 100°C)					
Ambient Temperature		+5~40℃					
Power Consumption	850W	1100W	1550W	2050W	2450W	3100W	4000W
Chamber Volume	16L/30L	50L	80L	136L	220L	420L	620L
Internal Dimension(W×D×H)mm	250×260×250 340×320×320	420×395×350	450×400×450	550×450×550	600×500×750	640×585×1355	840×600×1355
External Dimension (W×D×H)mm	530×370×420 620×440×490	720×530×520	740×530×630	840×580×730	880×630×930	780×730×1780	980×800×1880
Shelves	2(pcs)	2(pcs)	2(pcs)	2(pcs)	2(pcs)	3(pcs)	4(pcs)
Timing Range				1~9999min			

LED Microprocessor Controller (with timing function)



Features

- 304 stainless steel, mirror polishing processing, easy to clean and maintain.
- Natural convection with low noise.
- PID controller with over temperature alarm and timing function ensures precise and reliable control.

Option

- Independent over-temperature alarm system ensures experiments running
- RS 485 connector can connect computer to save the data via software.









Model	DHG-9031A	DHG-9051A	DHG-9091A	DHG-9141A	DHG-9201A		
Electrical Requirement		AC220V 50HZ					
Temperature Range		RT+10 ~ 200°C					
Display Resolution		0.1℃					
Temperature Stability		±1°C					
Ambient Temperature			+5 ~ 35℃				
Power Consumption	850W	1000W	1400W	2000W	2200W		
Chamber Volume	27L	56L	96L	140L	200L		
Interior Dimension (W×D×H)mm	320×300×355	400×330×415	450×430×505	520×500×575	570×560×640		
Exterior Dimension (W×D×H)mm	460×520×660	540×550×720	590×650×810	660×720×880	710×780×945		
Shelves		2(pcs)		3(p	ocs)		

being

Forced Air Oven



Natural Convection Oven





Touch Screen Microprocessor Controller (with timing function)

The BEING Mechanical Ovens allow for a smooth and efficient control of temperature from 10 °C over ambient temperature to 200°C (300°C).

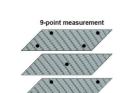
The PID controller, with double color display, continuously displays the set temperature and actual temperature inside the chamber. Operating time is also displayed for the user. The fan generated circulation of air within the chamber helps to guaranty uniformity of temperature throughout the oven. As with all our ovens, we incorporate the best safety features assuring piece of mind to our customers when using BEING products!

Features

- Colorful touch screen controller.
- Interior Chamber made from 304 stainless steel with a mirror polished finish making
- Adjustable 3-Speed fan allows customer to control the flow of air optimal for temperature uniformity.
- Anti-tilt shelving helps avoid accidents when shelves are moved.
- Top centered portal allows real time testing of internal chamber temperature using external temperature measuring equipment.
- Adjustable shelves provide accommodation for different sized containers.
- Our damper Provides proper control of gas convection in chamber.
- Pt100 temperature sensor provides high temperature sensitivity and accuracy.
- The BEING Controller provides programmability for 7 periods and 9 steps for each period making for a total of 63 programmable steps.



USB data collect





test standard DIN-12880

Standard :DIN-12880

Independent temperature safety equipment, 2 class (DIN12880), with second set of temperature alarm. The temperature data was measured according with part 2 of DIN12880 suggested, means the space between the body and wall equal to 10% of the height width depth of the chamber.

Specifications

Model	BO-30F	BO-50F	BO-120F	BO-200F	BO-400F			
Chamber Volume	35L	59L	115L	234L	400L			
Temperature Range		RT+10°C ~200°C (300°C)						
Display Resolution	0.1℃	0.1℃	0.1℃	0.1℃	0.1℃			
Temperature Uniformity(@150℃)	±2.0℃	±2.0℃	±2.0°C	±2.0°C	±2.0℃			
Standard Quantity of Shelves/Max	2/5	2/9	3/12	3/16	3/16			
Shelves loading	20Kg	20Kg	20Kg	20Kg	20Kg			
Net Weight(Kg)	43	51	83	112	-			
Timer Range	1~5999mins	1~5999mins	1~5999mins	1~5999mins	1~5999mins			
Internal Dimension (W×H×D,mm)	320×320×300	400×415×305	520×530×430	650×650×500	1000×800×510			
External Dimension (W×H×D,mm)	610×540×550	690×640×560	810×755×685	940×875×750	1285×1060×750			
Electrical Requirement	AC220V,50Hz	AC220V,50Hz	AC220V,50Hz	AC220V,50Hz	AC220V,50Hz			
Power Consumption	900W	1100W	2050W	2500W	3100W			

Touch Screen Microprocessor Controller (with timing function)

The BEING Mechanical Ovens allow for a smooth and efficient control of temperature from 10°C over ambient temperature to 200°C (300°C).

The PID controller, with double color display, continuously displays the set temperature and actual temperature inside the chamber. Operating time is also displayed for the user. The fan generated circulation of air within the chamber helps to guaranty uniformity of temperature throughout the oven. As with all our ovens, we incorporate the best safety features assuring piece of mind to our customers when using BEING products!

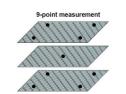
Features

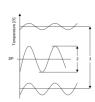
- Colorful touch screen controller.
- Interior Chamber made from 304 stainless steel with a mirror polished finish making
- Adjustable 3-Speed fan allows customer to control the flow of air optimal for temperature uniformity.
- Anti-tilt shelving helps avoid accidents when shelves are moved.
- Top centered portal allows real time testing of internal chamber temperature using external temperature measuring equipment.
- Adjustable shelves provide accommodation for different sized containers.
- Our damper Provides proper control of gas convection in chamber.
- Pt100 temperature sensor provides high temperature sensitivity and accuracy.
- The BEING Controller provides programmability for 7 periods and 9 steps for each period making for a total of 63 programmable steps.

Standard :DIN-12880

Independent temperature safety equipment, 2 class (DIN12880), with second set of temperature alarm. The temperature data was measured according with part 2 of DIN12880 suggested, means the space between the body and wall equal to 10% of the height width depth of the chamber.







test standard DIN-12880

Model	BO-30N	BO-50N	BO-115N	BO-200N	
Chamber Volume	34L	54L	124L	222L	
TemperatureRange	RT+10℃~200℃ (300℃)				
Display Resolution	0.1℃	0.1℃	0.1℃	0.1℃	
Temperature Uniformity(@150℃)	±2.5℃	±2.5℃	±2.5℃	±2.5℃	
Standard Quantity of Shelves/Max	2/5	2/6	2/10	2/16	
Shelves loading	20Kg	20Kg	20Kg	20Kg	
Net Weight	43 kg	45 kg	74 kg	103 kg	
Timer Range	1~5999mins	1~5999mins	1~5999mins	1~5999mins	
Internal Dimension (W×H×D,mm)	320×320×300	400×380×330	520×495×450	650×650×500	
External Dimension (W×H×D,mm)	610×580×520	690×640×468	810×755×590	940×910×658	
Electrical Requirement	AC220V,50Hz	AC220V,50Hz	AC220V,50Hz	AC220V,50Hz	
Power Consumption	850W	1050W	1950W	2250W	

Vacuum Oven



Vacuum Oven

VAC P C

VAC CE COUL

LED Microprocessor Controller (with timing function)

Vacuum oven is designed especially for drying material which is thermosensitive, oxidative, decomposable easily. It can also work with inert gas to dry some compound material.

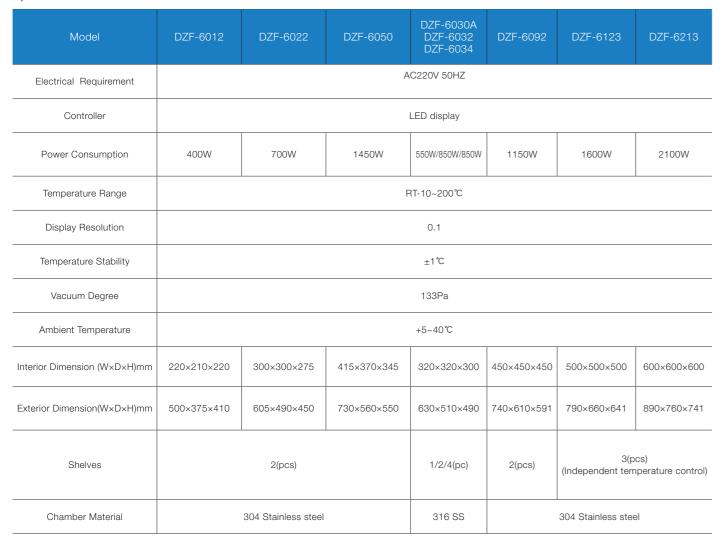
Features

- 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 save more than 40% heating time.
- A big dual layer tempered glass on the door provides good observation.
- Door adjustment system with silicon door gasket ensures better vacuity.

Option

- KF25 Vacuum Port.
- LED lights on the door.
- Inert gas valve.

Specifications



Touch Screen Microprocessor Controller (with timing function)

The BEING Vacuum Ovens over a variety of sizes to fit the different needs of each of our customers. Due to our excellent design, the BEING vacuum oven offers more usable space then similarly sized ovens from the competition. A large viewing window allows the user to quickly view their samples from a distance. The BEING controller offers superior temperature control and safety for our customers with a large colored LCD display for easy viewing.

Features

- Colorful touch screen controller.
- Real-time display of measured vacuum helps user monitor progress of the
- Inert Gas Inlet.
- Interior Chamber made from 304 stainless steel with a mirror polished finish making for easy cleaning.
- Adjustable shelves for added flexibility to accommodate various size containers.
- Exhaust valve switching and pump switch come with an electromagnetic valve controller which is safe and reliable.
- User friendly and reliable operation while at the same time conserving vacuum pump power.
- The BEING Controller provides programmability for 7 periods and 9 steps for each period making for a total of 63 programmable steps.

Independent temperature safety equipment, 2 class (DIN12880)









Specifications

Standard :DIN-12880

Model	DV 00	DV 50	DV 00
Model	BV-20	BV-50	BV-90
Chamber Volume	24L	51L	91L
Temperature Range	RT+10°C ~200°C	RT+10℃~200℃	RT+10℃~200℃
Temperature Resolution	0.1℃	0.1°C	0.1℃
Max. degree of vacuum	133Pa	133Pa	133Pa
Standard Quantity of Shelves/Max	2/5	2/7	3/9
Work chamber material	stainless steel	stainless steel	stainless steel
Interior Dimension (W×H×D,mm)	300×275×300	415×345×370	450×450×450
Exterior Dimension (W×H×D,mm)	445×590×505	580×670×594	610×774×721
Max.load	20Kg	20Kg	20Kg
N/W(Kg)	60	95	145
Inert gas air inlet	√	√	\checkmark
Electrical Requirement	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz
Power Consumption	700W	1400W	2000W
Timer Range	1~5999mins	1~5999mins	1~5999mins

being

Heating Incubator



Heating Incubator

LED Microprocessor Controller (with timing function)



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

- 304 stainless steel, mirror polishing processing, easy to clean and maintain.
- PID controller with over temperature alarm and timing function ensures
- Auto fan speeds ensures a proper fan speed when temperature is stable.
- Inner glass door provide a better observation.
- Glass door switch control automatically cut the heating elements and fan when door is open.

Option

- Independent over-temperature alarm system ensures experiments running safely.
- RS 485 connector can connect computer to save the data via software.
- UV lamp sterilization system ensures a better and easier sterilizing.



Heating Incubator(Forced air)

Model	DHP-9012	DHP-9032	DHP-9052	DHP-9082	DHP-9162	DHP-9272	DHP-9402 DHP-9602 DHP-9902
Electrical Requirement				220V 50	Hz		
Temperature Range				RT+5~65	î°C		
Display Resolution				0.1℃ /±0.	5℃		
Temperature Uniformity			±1	.5℃			±2.0℃
Ambient Temperature				+5~35°			
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				1~5999m	nin		

Heating Incubator(Natural convection)

Model	DHP-9011 DHP-9011B	DHP-9031 DHP-9031B	DHP-9051 DHP-9051B	DHP-9121 DHP-9121B	DHP-9211 DHP-9211B				
Electrical Requirement		AC220V 50HZ							
Temperature Range		RT+5 ~ 65℃							
Display Resolution		0.1℃ /±0.5℃							
Ambient Temperature	+5 ~ 35°C								
Power consumption	85W	125W	250W	550W	900W				
Chanber 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	915×658×870						
Shelves(pcs)	2	2	2	3	3				

Touch Screen Microprocessor Controller (with timing function)





The PID controller, with colourful touch screen, clearly shows in every moment the temperature set and that oneinside as well as other

BI-F series forced air heating incubator, forced air circulation guarantees a perfect air replacement and homogeneity of temperature in every parts

BI-T series natural convection, the airflow in chamber is stable, which is particularly suitable for the rapid drying and disinfection of powder.

Features

- Colourful touch screen controller.
- 304 stainless steel, mirror polishing processing, easy to clean and
- The fan is forced-air convection, with good temperature uniformity and two levels power to shift automatic.
- The shelf design of anti-tilting to avoid the accidents when pulling out
- With high-precision thermal temperature sensor, high measuring accuracy and control stable.
- With reserved test hole, the temperature in working chamber can be detected accurately.
- With limited temperature alarm system.
- Programming setting function with 7 periods and 9 steps for each period, which means there are 63 programmable steps in total.

Independent temperature safety equipment, 2 class (DIN12880), with second set of temperature alarm. The temperature data was measured according with part 2 of DIN12880 suggested, means



USB data collect







test hole



test standard DIN-12880

the space between the body and wall equal to 10% of the height width, depth of the chamber.

Standard :DIN-12880

eating Incubator(Forced air)			lest stand	ard DIN-12880		
Model	BI-35F	BI-55F	BI-120F	BI-200F		
Chamber Volume	35L	50L	118L	210L		
Temperature Range		RT +5	5~80℃			
Temperature Stability		0.5	2℃			
Display Resolution		0.	1℃			
Temperature uniformity(@37°C)		±0.8℃				
Standard Quantity of Shelves/Max	2/5	2/6	2/10	2/16		
Shelves loading	20Kg	20Kg	20Kg	20Kg		
N/W(Kg)	48	56	82	119		
Timer Range	1~5999mins	1~5999mins	1~5999mins	1~5999mins		
Internal Dimension(W×H×D,mm)	320×320×300	400×415×305	520×530×430	650×650×500		
External Dimension(W×H×D,mm)	610×545×550	690×640×560	810×755×685	940×875×755		
Electrical Requirement		AC220V,50Hz				
Power Consumption	300W	350W	600W	700W		

Heating Incubator(Natural convection)

Model	BI-35T	BI-55T	BI-120T	BI-200T		
Chamber Volume	35L	50L	115L	210L		
Temperature Range		RT +5~80°C				
Temperature Stability		0.	2℃			
Display Resolution		0.	1℃			
Temperature uniformity(@37°C)		±0	.8℃			
Standard Quantity of Shelves/Max	2/5	2/9	2/12	2/16		
Shelves Loading	20Kg	20Kg	20Kg	20Kg		
N/W(Kg)	44	53	79	108		
Timer Range	1~5999mins	1~5999mins	1~5999mins	1~5999mins		
Internal Dimension(W×H×D,mm)	320×320×300	400×380×330	520×490×450	650×650×50		
External Dimension(W×H×D,mm)	610×580×520	690×640×468	810×755×588	940×910×65		
Electrical Requirement		AC220)V,50Hz			
Power Consumption	250W	300W	550W	700W		

Cooling Incubator



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.

- 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.





Specifications

Model	LRH-70 LRH-70F	LRH-150 LRH-150F	LRH-250 LRH-250F	LRH-500F	LRH-800F	LRH-1000F	LRH-1500F
Temperature Range		0~60°C					
Display Resolution				0.1℃			
Temperature Stability			HIGH	l±0.5℃ LOW±	1.0℃		
Temperature Uniformity		±1.5℃			±2.	5℃	
Humidity Range		-					
Humidity Stability		-					
Electrical Requirement				220V 50Hz			
Ambient Temperature				+5℃ ~30℃			
Power consumption	450W	500W	600W	2100W	4100W	4100W	5000W
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				1~5999min			
Remark		rith LCD display RH-1500F is standa	ard with two doors				

^{*} Specification test under non-load condition: ambient temperature is 20°C, and relative humidity is 50%.

Touch Screen Microprocessor Controller (with timing function)









The cooling incubator is ideal for every application in microbiological field.

The wide range of temperature allows the growth of microorganisms in every environmental

The stainless-steel chamber with rounded corners and removable shelves which make the sanification operations easy.

The PID regulator guarantee an excellent control by microprocessor and the limited number of setting keys ensures the convenience to operate.

Features

- Colourful touch screen controller.
- The lowest temperature could arrive -10°C, the applications temperature is wider.
- Using environmentally friendly refrigeration system, fast cooling speed, saving energy and protecting environment.
- Using R134a refrigerant.
- Using advanced control technology, heating systems and refrigeration systems shift automatically.
- 304 stainless steel, mirror polishing processing, easy to clean and maintain.
- Reserving φ25mm test hole, could real-time test the temperature in working chamber.
- Pt100 temperature sensor provides high temperature sensitivity and the accuracy.

Independent adjustable temperature safety equipment, 2 class (DIN12880),

with second set of temperature alarm. The temperature data was measured

according with part 2 of DIN12880 suggested, means the space between the body and wall equal to ten percent of the height, width, depth of the chamber.

- With limited temperature alarm system.
- Programming setting function with 7 periods and 9 steps for each period, which means there are 63 programmable steps in total.

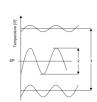
Options

• RS485 connector and software

Standard :DIN-12880

UV Sterilizer

BOD Socket



test standard DIN-12880

Model	BC-60	BC-120	BC-250
Usable Volume	68L	120L	250L
Temperature Range	-10~80℃	-10~80℃	-10~80℃
Temperature uniformity(@25℃)	±1.0℃	±1.0℃	±1.0℃
Temperature Resolution	0.1℃	0.1℃	0.1℃
Timer Range	1~5999min	1~5999min	1~5999min
Number of Shelves	2	3	3
Max Number of Shelves	10	14	16
N/W	85Kg	100Kg	120Kg
Interior Dimension(W×H×D,mm)	400×450×380	500×600×400	550×750×600
Exterior Dimension (W×H×D,mm)	545×1000×670	645×1150×690	695×1300×890
Electrical Requirement	220V 50Hz	220V 50Hz	220V 50Hz
Power Consumption	1300W	1500W	1700W

Humidity Chamber



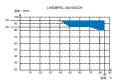
Humidity Chamber

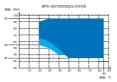
PLC Touch Screen Humidity Chamber

- 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 water-lack
- Independent audible and visible temperature-limiting alarm system ensures experiments run safely.

Options

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





Specifications

Model	BPS-50CH BPS-100CH	BPS-50CL BPS-100CL BPS-100CA BPS-100CB	BPS-250CL BPS-250CA BPS-250CB	BPS-500CL BPS-500CA BPS-500CB	BPS-800CL BPS-800CA	BPS-1000CL BPS-1000CA	
Temperature control range	RT+10~85°C	L:-10~100℃ A:-20~100℃ B:-40~100℃					
Temperature accuracy			0.	1℃			
Temperature Stability	±1.0℃	High temp:±0.5℃ Low temp:±1℃					
Humidity control range	80~95%RH	35~95%RH					
Humidity Accuracy		±3%RH					
Power Consumption	1450W 1650W	1700W 1900W 2300W 7050W	2300W 2700W 7100W	3850W 4150W 7850W	8050W 8050W	8050W 8050W	
Ambient Temperature			+5~	30℃			
Electrical Requirement	220V 50HZ	220V 50Hz 220V 50Hz 220V 50Hz 380V 50Hz	220V 50Hz 220V 50Hz 380V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz	
Interior Dimension(W×D×H,mm)	350×300×500 500×400×550	350×300×500 500×400×550	600×500×820	800×700×900	965×700×1430	900×700×1600	
Exterior Dimension(W×D×H,mm)	720×620×725 650×800×1310	720×620×725 650×800×1310	750×900×1580	1000×1100×1860	1475×890×1780	1410×890×1950	
Shelves	2PCS	2PCS	3PCS	3PCS	3PCS	3PCS	

PLC Touch Screen Humidity Chamber With Refrigeration System

The humidity chamber creates a climate of temperature and humidity, perfectly designed for the high requirements of stability and climate tests, conditioning or ageing. In each individual appliance, there is a homogenous and stable temperature and humidity distribution over the entire chamber. Chamber complies with the strict requirements of DIN 12880:2007-05 and is equipped with a maximum of safety functions.

Features

- Colorful touch screen with microprocessor controller with timing function.
- Mirror polished stainless steel chamber with arc welding is easy to clean and disinfection.
- Accurate control of heating and refrigeration system ensure homogeneity of temperature and humidity.
- Refrigeration system colds down and condenses steam to ensure accurate humidity and temperature.
- R134A refrigerant is friendly to environment.
- Reserved \$\phi\$ 25 validation port is easy to validate the temperature real time.
- Independent temperature limits switch as secondary safety assurance.
- Programming setting function with 7 periods and 9 steps for each period, which means there are 63 programmable steps in total. (option)
- Microprinter and USB connection provides data recording.









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fications			
Model	BH-60	BH-120	BH-250
Effective volume	68L	120L	252L
Temperature control range	-10~80℃	-10~80°C	-10~80℃
Temperature homogeneity(@25℃)	±1.0°C	±1.0℃	±1.0℃
Temperature accuracy	0.1℃	0.1℃	0.1℃
Humidity control range	40~95%RH	40~95%RH	40~95%RH
Humidity deviation	±3%RH	±3%RH ±3%RH	
Timer Range	1~5999min	999min 1~5999min	
Number of Shelves	2	3	3
Max Number of Shelves	10	14	16
N/W	95Kg	115Kg	135Kg
Interior Dimension(W×H×D,mm)	400×450×380	400×450×380 500×600×400	
Exterior Dimension (W×H×D,mm)	570×1120×780	670×1270×200	720×1420×1000
Electrical Requirement	220V 50Hz	220V 50Hz	220V 50Hz
Power Consumption	2200W	2300W	2500W

CO₂ Incubator



CO₂ Incubator

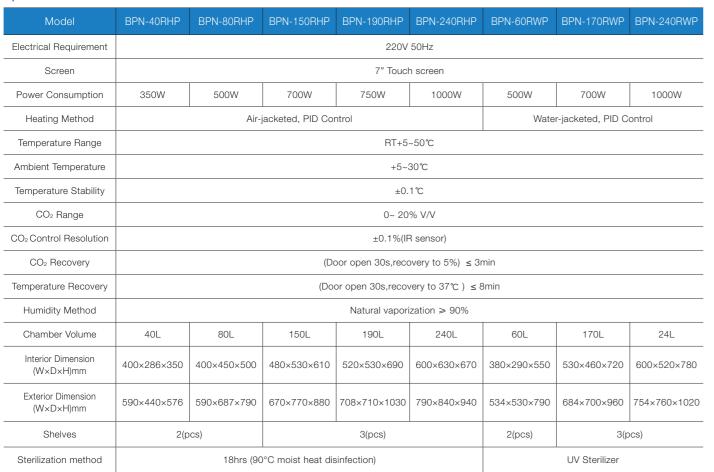
With Imported Infrared CO₂ Sensor

- Touch screen controller, 72-hour machine operation record query function to help user tracking abnormal conditions and trace historical operation information.
- Faster CO₂ concentration Restoration Speed.
- Infrared sensor can keep CO₂ 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 (Φ<0.3μm) and supplies pure CO₂ 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, CO₂ over concentration and concentration difference, door open time, UV working status.
- Auto-controller of fan speed to prevent damage to the samples.
- 90°C 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
- High effective filter provides filtration of bacteria and dust.
- CO₂ pressure releasing valve.
- Humidity display system.
- Printer(Nested).
- Temperature-limiting alarm system.

Specifications













touch screen

With Imported Infrared CO₂ Sensor

Features

- Faster CO₂ concentration Restoration Speed.
- Imported Infrared sensor can keep CO₂ concentration stability and uniformity when door open
- 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 (Ф<0.3μm) and supplies pure CO2 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
- Alarm function for temperature difference, CO₂ 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
- High effective filter provides filtration of bacteria and dust.
- CO₂ pressure releasing valve.
- Humidity display system.











Specifications

Model	BPN-80CRH(UV) BPN-150CRH(UV)		BPN-240CRH(UV)		
Chamber Volume	80L 150L		240L		
Temperature Range		Ambient+5°C ~50°C			
Electrical Requirement		220V 50Hz			
Power Consumption	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℃			
CO₂ Range		0~ 20% V/V			
CO₂ Control Resolution		±0.1%(IR sensor)			
CO ₂ Recovery	(D	oor open 30s,recovery to 5%) ≤ 3r	nin		
Temperature Recovery	(Do	or open 30s,recovery to 37°C) ≤ 8	min		
Humidity Method		Natural vaporization ≥ 90%			
Shelves	2(pcs) 3(pcs)				
Interior Dimension (W×H×D)mm	400×450×500	480×530×610	600×630×670		
Exterior Dimension(W×H×D)mm	590×687×790 670×767×880 788×837×		788×837×940		
Sterilization method	UV Sterilizer				

↑↑ CO₂ **V**

(E)°



Constant Climate Chamber











With Infrared CO₂ Sensor

Features

• Faster CO₂ concentration Restoration Speed.

- Infrared sensor can keep CO₂ 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 (Φ<0.3μm) and supplies pure CO₂ 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
- Alarm function for temperature difference, CO2 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	BPN-50CH(UV) BPN-80CH(UV)	BPN-150CH(UV)	BPN-240CH(UV)	BPN-30CW(UV) BPN-80CW(UV)	BPN-150CW(UV)	
Electrical Requirement		220V 50Hz				
Power Consumption	450W/500W	750W	750W	250W/680W	950W	
Heating Method		Air-jacketed, PID Control		Water-jackete	ed, PID Control	
Temperature Range			RT+5~50℃			
Ambient Temperature			+5~30℃			
Temperature Stability		±0.2℃		±0.	.1℃	
CO ₂ Range			0~ 20% V/V			
CO₂ Control Resolution			±0.1%(IR sensor)			
CO ₂ Recovery		(Door o	open 30s,recovery to 5%)	≤ 3min		
Temperature Recovery		(Door op	pen 30s,recovery to 37℃)	≤ 8min		
Humidity Method		1	Natural vaporization ≥ 909	%		
Chamber Volume	50L/80L	150L	240L	26L/80L	150L	
Interior Dimension(W×D×H)mm	400×350×350 400×450×500	480×530×610	290×290×310 400×400×500	500×500×650		
Exterior Dimension(W×D×H)mm	580×450×540 590×657×870	670×710×950	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	Sterilization method					

LCD/Touch Programmable Controller (with timing function)

- LCD or Touch screen with microcomputer control, mirror polish stainless steel chamber with semicircular arcs at four corners.
- Homogeneity air circulating by fan.
- Over temperature and temperature deviation alarm.
- Capacitance humidity sensor and PT 100 temperature sensor.
- Automatically temperature and humidity balance system.
- Reserved \$\phi\$ 25 validation port is easy to validate the temperature real time.
- R134A refrigerant is friendly to environment.
- Two sets compressors and fans work alternately that ensure no frost will be produce during test.
- With built in microprinter.

Components safety

• Compressor over heat and over pressure protection, fan over heat protection, over temperature, over load and water lack protections.

Options

- Illumination and UV light display,monitoring and control system that comply with ICH.Q1B requirements for Intense light irradiation experiment.
- Independent temperature limits switch as secondary safety assurance.
- RS485 or RS-232 communication port.

Programmable Touch Screen

- Large LCD screen to display more data at same time.
- English operation menu, display current data curves.
- 100 groups with 1000 periods 999 circulations, max timing for each period is 99 hours 59 minutes.
- Auto lock after setting data.
- Available to programe on computer via RS-484 or RS-232.
- Record temperature and time curves, data storage and logging function.

Specifications

Model	LHH-80SD LHH-150SD LHH-250SD LHH-500SD	LHH-80SDP LHH-150SDP LHH-250SDP LHH-500SDP	LHH-800SD LHH-1000SD LHH-1500SD	LHH-800SDP LHH-1000SDP LHH-1500SDP	
Temperature control range		0~65°C without illumination	n,10-65°C with illumination		
Temperature Stability		±0.	5℃		
Temperature Uniformity		±2	°C		
Humidity Rang		35~95	5%RH		
Humidity Stability		±3%	SRH		
Timing Rang	Each period 1~5999min				
Controller	Programmable (LCD screen)	Programmable (touch screen)	Programmable (LCD screen)	Programmable (touch screen)	
Ambient Temperature		+5~(30℃		
Electrical Requirement	AC220'	V 50Hz	AC380) 50Hz	
Power Consumption	2000W/2100W/	/2300W/3750W	7150W/7150W/10600W		
Chamber Volume	80L/150L/2	250L/500L	800L/100	0L/1500L	
Interior Dimension (W×D×H)mm	400×400×500 550×405×670 600×500×830 670×725×1020		1050×59	0×1650 90×1650 90×1650	
External Dimension (W×D×H)mm	550×790×1080 690×805×1530 740×890×1680 850×1100×1930		1610×89	90×2000 90×2000 90×2000	
Shelves	2/3/3/	4(pcs)	4(p	ocs)	

Illumination specification (Option)

Illumination	Cold white fluorescence and UV light
spectrum range	UV @320nm~400nm, peak wavelength @365nm
Intense/Deviation	Cold white fluorescence 0-6000lux/±500lux, UV0-5W/m2
Standard configuration	Cold white fluorescence (D65,6500K) comply with ISO10977;UVA@340nm~400nm Ultraviolet fluorescent lamp
Comply standard	GMP general standard,ICH-Q1B Cold white fluorescence≥1.2*106 Lux,hr, Ultraviolet fluorescent lamp≥200w.hr/M2





UV Test Chamber



Touch Screen Microprocessor Controller (with timing function)

Using xenon arc lamp to simulate full solar spectrum and reproduce the aging light environment in different condition, it provides the corresponding environment simulation and the accelerate test for scientific research, product development and quality control.

More real xenon lamp

• The xenon arc lamp reoccurs the full solar spectrum vividly which include ultraviolet, visible light and red light. With high quality lamp and the use life up to 1200~1500 hours.

Fast test results

• It can accelerate the aging experiment to achieve the effect of rapid aging.

Enhanced mirror illuminate

• Polished stainless-steel chamber makes the exposed area large enough and uniformity, and enhanced the light irradiance and shorten the exposure time of sample.

Water spraying system(B-SUN-II)

• Through the pure water spraying system simulates the wet erosion phenomenon, the spraying could operation dark or light cycle.

Automatic Irradiance Control System

• It could real time monitor and control the light intensity to ensure the repeatability of the test results, The control point of irradiance could choose 340nm, 420nm or 300~400nm.

Automatic Blackboard Temperature Monitor and Control

• B-SUN uses the blackboard temperature sensor monitor the exposure temperature of sample accurately. (Cooling way: air cooling).

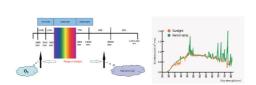
Easily calibrate light sensors

• Irradiance sensors need to be regularly calibrated by the user. The illuminometer must be compatible with the B-SUN.

Control system easy to operate and stable

- 9.7 inch touch screen, easy to understand and operate.lrradiation, blackboard temperature, rain cycle and so on could be easily set and display.
- Touch screen can display all parameters and diagnose the fault information automatically, With over-temperature protection and over-load protection.
- It provides referring and setting related industry standards. (could set 10 periods)





The spectrum of sun and Xenon lamp

Specifications

Model	B-SUN-I	B-SUN-II		
Working chamber Dimension (W×D×H,mm)	320×320×320			
Exterior Dimension (WxDxH,mm)	890×580×590			
Control system	Siemen	ns PLC		
Program function	4 groups standard program built-in	n and 2 grous program can be set		
Sample area	930cm ²			
Sample surface temperature monitoring	blackboard temperature automatic control by sensor			
Irradiance control	340nm,420nm or 300nm-400nm Wavelength automatic control (standard with@340nm High-precision sensors)			
Spraying system	NO	YES		
Lamp cooling method	air co	oling		
Sample shelf type	Flat plate type			
Lamp	Standard lamp tube, or Atlas lamp tube(optional)			
Electrical requirement	3500W			
Power consumption	220V,	50Hz		

Touch Screen Microprocessor Controller (with timing function)



Product Features

Display

- 4.3 inch touch screen, menu type interface could set parameters fast, which is easy to understand and operation.
- BPT sensor, cabinet temperature and rain cycleetc, which can be visually settingand displaying.

light source

• With 4 pieces of 20W ultraviolet lamp, more stable and the life of the lamp is up to 5000

Controller

- B-UV-S series provide 3 spray headers which can meet the uniformity of rainfall for flat
- Radiation intensity adjustment with optional RM-20 irradiance meter which by manual adjustment.
- Blackboard temperature self-control by test set value, to meet user for lighting, condensation, spray, temperature and other aging test chamber.

• Build-in 4 pieces of 70x150 flat sample racks, the users can test for three-dimensional or flat samples.

UTEST

Specifications

N	Model	B-UV-S(desktop)	B-UV-S(desktop) B-UV-I B-U			
T D	Light cycle	45℃ -80℃				
Temperature Range	Condensation cycle		40℃ -60℃			
	Type	UVA	UVA or UVB	fluorescent ultraviolet lamp		
	Power	20W/pc, total 4 pcs	40\	N/pc, total 8pcs		
Light source	Wavelength range	Standard with UVA@340nm	Standard with UVA@340nm Optional@351nm or UVB@313nm			
	Irradiance	Handle	Irradiance automatic control			
Calibrat	tion function	No	Have		o Have	
Sprayii	ng function	3-hole spraying	No	12-hole sample spraying device		
Sample	e shelf size	8 pcs standard sample test shelf	18 pcs standard s	ample test shelf (75x150mm)		
Center distance be	tween sample and lamp	150mm~280mm		50mm±3mm		
Exterior dimer	nsion (WxDxH,mm)	770x565x690	1:	200x450x1500		
Сус	le mode	Dark, light, spr	ay, condensate set multi-cycle	automatic control		
Light control		Handle Irradiance automatic monitoring and control		matic monitoring and control		
Electrica	I requirement	220V 50Hz				
Power of	consumption	2000W				

Meeting Standards

Standard Type	Standard NO.			
ASTM	G154	G553	D5208	
ASTM	D4329	D499	D4587	
BS	2782	-	-	
ECCA	T10	-	-	
ISO	11503	4892-3	11507	
JIS	D0205	-	-	
PrEN	1062-4	-	-	
SAE	J2020	-	-	

Orbital Shaker



Shaking Incubator

LCD Microprocessor Controller (with timing function)





The BEING Orbital Shakers are the preferred method for blending samples inside tubes and flasks. Precision smooth orbital shaking motion is essential for many lab applications. Specific applications are fermentation, hybridization, chemical and biochemical reactions. BEING's PID controller provides accurate speed with timed runs. Auto off and alarm occurs when the real shaking speed is 10% different from setting value, and motor will stop automatically. Speed controller ensures smooth start/stop which can prevent the liquid spill to damage the equipment.







Features

- Colorful LCD display.
- PID microprocessor controls shaking speed, and timing.
- Smooth start and stop system prevents liquid spillage.
- Stainless-steel and easy to clean platform.
- DC brushless motor provides long term reliability.
- Safety alarm and shutdown feature for speeds 10% over set speed.
- A large number of accessories (platforms, tube-racks, and flask clamps) to accommodate various needs.

Specifications

Model	BS-1	BS-2	BS-3		
Speed	40~250rpm	40~250rpm	40~300rpm		
Frequency	20rpm	20rpm	20rpm		
Maximum Capacity	1500ml	4000ml	6000ml		
Amplitude of Tray	20mm	20mm	20mm		
Platform size(mm)	250×250	350×350	450×450		
Exterior Dimension (W×H×D)mm	290×110×376	390×124×495	490×137×604		
Timer	1~5999min	1~5999min	1~5999min		
Net Weight	20 kg	30 kg	40 kg		
Electrical Requirement	220V 50Hz				
Power Consumption	60W				

Options



Spring wire rack



Universal attachment







Cell culture spring rack

Individual clamps

Rubber mat

LCD Microprocessor Controller (with timing function)



The shaking incubator combines in one instrument two typical laboratory operation: shaking and incubation of samples.

Combining the convenience of a benchtop incubator and a shaker, it is ideal for cell culture, solubility studies, extraction procedures and many other laboratory applications.

Features

- Large LCD screen to display more data at same time.
- Stainless-steel chamber and platform, easy to clean.
- Big observation windows.
- Microprocessor controller for temperature and shaking speed with timing function.
- Self-check function easy to identify problems.
- Smooth start and stop system prevents liquid spillage.
- Auto-controller of fan speed to prevent damage to the samples.
- Safety door switch, auto pause operation when door is opened.
- High effective filter provides filtration of bacteria and dust.
- Temperature-limiting alarm system, auto switch off when over-temperature. (option)
- RS485 connector can connect computer record and inspect the parameters and the variations of temperature. (option)

Deiny

Specifications

Model	BSI-1	BSI-2	BSI-3
Temperature Range		RT+5~65℃	
Temperature Resolution	0.1℃	0.1℃	0.1℃
Platform Size(W×D,mm)	250×250	350×350	450×450
Interior Height (H,mm)	220	270	320
Exterior Dimension (W×H×D,mm)	390×370×590	490×450×690	590×550×800
Maximum Capacity	1500ml	4000ml	6000ml
N/W	32 Kg	42 Kg	52 Kg
Convection	Forced Convection	Forced Convection	Forced Convection
Shaking Speed Range	40~250rpm	40~250rpm	40~300rpm
Speed Accurouce	±1rpm	±1rpm	±1rpm
Amplitude	20mm	20mm	20mm
Spring Wire Rack	Standard	Standard	Standard
Timer Range	1~5999mins	1~5999mins	1~5999mins
Electrical Requirement	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz
Power Consumption	450W	650W	750W

Clips for flasks	BSI-1/BS-1	BSI-2/BS-2	BSI-3/BS-3
50(ml)	16	-	-
100(ml)	8	25	-
250(ml)	4	16	18
500(ml)	1	8	9
1000(ml)	-	4	5
2000(ml)	-	2	3



Shaking Incubator



Shaking Incubator









LCD Microprocessor Controller (with timing function)

It is widely used in cell culture, fermentation, hybridization, biochemistry, and cell organization studies that require for temperature and shaking frequencies. It can be used for the movement and static cultivation of microbial cells and all kinds of bacteria, and applications in the field of laboratory, analytical and process equipment.

- Large LCD screen to display more data at same time.
- R134a refrigerant, imported compressor and fan motor.
- Big observation windows.
- 304 Stainless steel chamber and platform, easy to clean.
- There is a 25mm instruction connection hole on the left side of the chamber for easy testing operation and temperature measurement.
- The parameters can be automatically stored in case of power failure, and it will continue run as presetting program after turn on.
- Microprocessor PID controller for temperature and shaking speed with timing function.

- Safety door switch, auto pause operation when door is opened.
- Smooth start and stop system prevents liquid spillage.
- Auto-controller of fan speed to prevent damage to the samples.
- Self-diagnosis function, it will display error when failure.
- Maintenance-free brushless DC motor can continuous operation for long time.

Option

- Temperature-limiting alarm system, auto switch off when over-temperature.
- RS485 connector or USB interface can connect computer record and inspect the parameters and the variations of temperature.
- Intelligent programmable temperature controller.
- Printer(Nested).

Specifications

Model	HZQ-X500 Double-deck	HZQ-X700 Double-deck	HZQ-X500C Double-deck	HZQ-X700C Double-deck
Electrical Requirement	220V 50H			
Shaking Speed Range	40~300r/min			
Amplitude	26mm			
Temperature Range	RT+5~65℃ 4~65℃			
Display Resolution		0.1	I°C	
Timing Range	1~5999min			
Power Consumption	1900W	1900W	2250W	2250W
Platform Size(mm)	750x460x2pcs	920x500x2pcs	750x460x2pcs	920x500x2pcs

Platform used for flask clamp and tube holder. Maximum of flask clamp (Monolayer)

Model		HZQ-X500 HZQ-X500C	HZQ-X700 HZQ-X700C	HZQ-211 HZQ-211C	HZQ-311 HZQ-311C
	50ml	82	116	82	116
	100ml	50	66	50	66
Flool((no)	250ml	28	45	28	45
Flask(pc)	500ml	23	28	23	28
	1000ml	12	18	15	18
	2000ml	-	10	8	13

LCD Microprocessor Controller (with timing function)

Features

- Large LCD screen to display more data at same time.
- R134a refrigerant, imported compressor and fan motor.
- Big observation windows.
- 304 Stainless steel chamber and platform, easy to clean.
- The parameters can be automatically stored in case of power failure, and it will continue run as presetting program after turn on.
- Microprocessor PID controller for temperature and shaking speed with timing function.

- Safety door switch, auto pause operation when door is opened.
- Smooth start and stop system prevents liquid spillage.
- Auto-controller of fan speed to prevent damage to the samples.
- Maintenance-free brushless DC motor can continuous operation for long time.
- Self-diagnosis function, it will display error when failure.

- Temperature-limiting alarm system, auto switch off when over-temperature.
- RS485 connector or USB interface can connect computer record and inspect the parameters and the variations of temperature.
- Intelligent programmable temperature controller.
- Printer(Nested).

Specifications

Model	HZQ-211 HZQ-311		HZQ-211C	HZQ-311C	
Electrical Requirement		220V	50Hz		
ShakingSpeed Range		40~30	00r/min		
Amplitude	26mm				
Temperature Range	RT+5	~65℃	4~65℃		
Display Resolution		0.	1°C		
Power Consumption	105	50W	1300W		
Platform Size(mm)	750×460	750×460 920×500		920×500	
External Dimension (W×H×D)mm	1080×620×915	1250×660×915	1080×620×915	1250×660×915	
Timing Range	1~5999min				

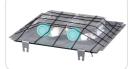
Options



Spring wire rack



Universal attachment



Cell culture spring rack



Individual clamps



Rubber mat

Shaking Incubator



Water Bath





LCD Microprocessor Controller (with timing function)

Features

- Large LCD screen to display more data at same time.
- R134a refrigerant, imported compressor and fan motor.
- Big observation windows.
- 304 Stainless steel chamber and platform, easy to clean.
- There is a 25mm instruction connection hole on the left side of the chamber for easy testing operation and temperature measurement.
- The parameters can be automatically stored in case of power failure, and it will continue run as presetting
- Microprocessor PID controller for temperature and shaking speed with timing function.

- Safety door switch, auto pause operation when door is opened.
- Smooth start and stop system prevents liquid spillage.
- Auto-controller of fan speed to prevent damage to the samples.
- Self-diagnosis function, it will display error when failure.
- Maintenance-free brushless DC motor can continuous operation for long time.

- Temperature-limiting alarm system, auto switch off when over-temperature.
- RS485 connector or USB interface can connect computer record and inspect the parameters and the variations of temperature.
- Intelligent programmable temperature controller.



Specifications

Model	THZ-98A(Monolayer) THZ-98AB (Double-deck)	HZQ-X300 (Double-deck)	HZQ-F160A (Monolayer)	THZ-98C (Double- deck)	HZQ-X300C (Double-deck)		
Electrical Requirement			220V 50Hz				
Shaking Speed Range			40~300r/min				
Amplitude			20mm				
Temperature Range	RT+5	5~65°C	4~65℃				
Display Resolution			0.1℃				
Power Consumption	750W	1100W	950W	950W	1300W		
Platform Size(mm)	400×340	500×350	400×300	400×340	500×350		
Exterior Dimension (W×D×H)mm	635×714×1055	725×720×1150	635×714×1055	635×714×1055	725×720×1150		
Timing Range	1~5999min						

Platform used for flask clamp and tube holder. Maximum of flask clamp (Monolayer)

Model		THZ-98A	THZ-98AB THZ-98C	HZQ-X300 HZX-X300C	HZQ-F160A
	50ml	29	29	37	29
	100ml	18	18	22	18
Flool(no)	250ml	11	11	14	11
Flask(pc)	500ml	7	7	10	7
	1000ml	4	4	6	4
	2000ml	-	-	-	3

LCD Microprocessor Controller (with timing function)



The BEING Water Baths provide the user with a constant temperature environment that only can be obtained when samples are totally immersed in water. BEING Baths offer a variety of sizes, excellent specifications and safety features.

Features

- Large colorful LCD display.
- Water level sensor shuts down further heating to the tank upon low water volumes.
- Audible and Visual Alarm indicators when water level reaches critical levels.
- 304 stainless steel molded tank.
- A variety of tube racks can be used for different test tubes.
- The standard stainless-steel bottom plate, helps prevents direct contact by accessories and tubes to heating element and sensors.
- Drain valve makes emptying of bath water fast and easy for cleaning and moving.
- A variety of tube racks and accessories.



water level sensor



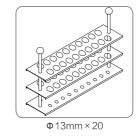
Holed bottom plate

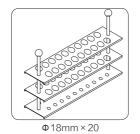


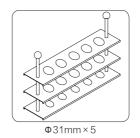
Specifications

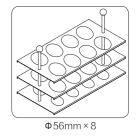
Model	BWB-12	BWB-22		
Temperature Range	Ambient-	-5~100℃		
Temperature Fluctuation	±0.	3℃		
Tracking Alarm	≤0.2°C			
Timer	1~599	99min		
Internal Dimension(W×H×D)mm	305×130×246	505×150×330		
External Dimension(W×H×D)mm	355×340×264	559×340×343		
Net Weight	12 Kg	18 Kg		
Electrical Requirement	AC220V / 50Hz			
Power Consumption	750W	1450W		

Rack for Tubes











Circulating Bath



Water Bath

LCD Microprocessor Controller (with timing function)

Provided for precise and constant temperature and auxiliary heating in colleges industrial and mining enterprises and scientific research departments.

Features

- Microprocessor temperature controller.
- Audible and visible alarm for temperature and water level.
- R134a refrigerant, imported compressor.
- With interface to external water bath.
- RS485 connector is option which can connect computer to record the parameters and the variations of temperature.(option)





※ ②

Specifications

Model	Temperature Range	Precision	Interior Dimension	Chamber volume	Electrical Requirements	Pump (flux)	Power Consumption
MP-5H			150×160×150	6.7L			1050W
MP-13H	RT+5~100℃	.01	240×170×150	10.9L			1050W
MP-19H		±0.1	330×300×150	22.5L			1050W
MPG-13A	RT+5~100℃		180×300×150	14.5L			1050W
MPG-100H	RT+5~100℃		040 470 000	44.51			1050W
MP-501A	RT+5~100℃		240×170×200	14.5L	220V 50Hz	8L/min	1050W
MP-10C	-10~100℃		150×160×150	4.5L			2300W
MP-20C	-20~100℃						2300W
MP-30C	-30~100℃						2800W
MP-40C	-40~100℃	±0.2					3150W
MP-50C	-50~100℃						3100W
MPG-10C	-10~100℃						2300W
MPG-20C	-20~100℃		0.40 470 000	4.01			2300W
MPG-40C	-40~100℃		240×170×200	13L			3100W
MPG-50C	-50~100℃						3100W
MP-5 (controller)	-100~200℃	0.1	130×150×330	≤50L			1050W

- $\ensuremath{\mathrm{\#}}$ When setting temperature is above 80°C , liquid medium should be mineral oil.
- ※ When setting temperature is below 5℃, liquid medium should be antifreeze (Absolute alcohol or absolute glycol)
- ※ Ambient temperature: +5~35℃

Specification test condition

- Ambient temperature: 20℃
- Electrical requirements: 220V/50Hz
- Liquid medium: pure water







Shaking Water Bath

LED Microprocessor Controller (with timing function)

Widely applicable for laboratory researches on bacteria cultivation, fermentation, hybridization, chemical and biochemical reaction, enzymes and tissues research, which have a high requirement on precision of shaking speed and temperature.



Specifications

Model	DKZ-1	DKZ-2B	DKZ-3 DKZ-3B	DKZ-1C		
Temperature Range		RT+5~99℃		10~99℃		
Display Resolution	0.1℃					
Temperature Uniformity	±1℃					
Shaking Speed Range		30~15	50rpm			
Amplitude		30mm (Standard)	or 40mm (Option)			
Power Consumption	125	50W	1650W	1500W		
Interior Dimension(W×D×H)mm	438×310×250		618×310×250	440×300×250		
Exterior Dimension(W×D×H)mm	643×3	50×353	823×350×355	710×410×710		

^{*} Remark: Shell and chamber are all stainless steel with an "B"

Options : Intelligent programmable temperature controller

Water Bath

Microprocessor controller (with timing function) Features

- A stamping molding stainless steel tank, easy to clean.
- LCD screen, multiple data display with timing function, easy to operate.
- Stainless steel shelves cover heater and sensor to avoid damage during using.
- Once-forming stainless steel lid.
- Cut off heater automatically in case of lack of water, meanwhile visible and audible alarm ensures to remind users in time.
- Independent temperature-limiting alarm system.
- temperature error alarm.
- Test tube holder can be placed. (Option)







Specifications

Model	BWS-5	BWS-10	BWS-20	BWS-0505	BWS-0510	BWS-12 BWS-12G	BWS-27 BWS-27G	
Electrical Requirement				AC220 50Hz				
Power Consumption	500W	1000W	2050W	500W+500W	500W+1000W	800W	1000W	
Temperature Range		RT+5~99℃					RT+5~100℃ RT+5~80℃	
Temperature Stability				±0.2℃				
Temp Alarm			±2℃			0.1℃		
Interior Dimension(W×D×H)mm	130×280×150	220×280×150	290×490×150	130×280×150	130×280×150 290×490×150	300×240×200	500×300×200	
Exterior Dimension(W×D×H)mm	396×250×260	396×330×260	600×390×260	450×395×260	526×395×260	480×300×480	680×360×390	
Timing Range		1~5999min						
Chamber Volume	2holes Φ112mm	4holes Φ92mm	6holes Φ92mm	2holes+2holes	2holes+4holes	11L	20L	

^{} Remark: With electromagnetic-pump is marked with an "G"**

Magnetic Stirrer



Muffle Furnace

LCD Microprocessor Controller (with timing function)

The BEING Magnetic Heated Stirrers offer a large variety of sizes and temperature ranges to accommodate your laboratory needs. Our stirrers provide a user friendly PID controller offering a large LCD color screen for easy viewing. They are constructed for durability, high performance and safety.

Features

- Large LCD screen to display more data at same time.
- External temperature sensor for liquid, temperature range from ambient temperature to 200°C.
- Free-step speed adjustment.
- Die-cast Aluminum alloy external chamber.
- Aluminum alloy working plate.
- Over-temp alarm system, auto switch off when 470℃.
- Caution indication light when plate temperature reach 50°C.

Differences between A/B series

- Magnetic Stirrer Series BMS-07A and BMS-09A include external temperature sensor which can measure liquid's temperature directly. Temperature range is from Ambient +5 °C to 200 °C.
- Magnetic Stirrer Series BMS-09B and BMS-07B are able to reach highest temperature as 450 °C .



Specifications

Model	IT-07A3	IT-09A5	IT-09A12	IT-07B3	IT-09B5
Stirring capacity (H ₂ O)	3L	5L	12L	3L	5L
Liquid temp range		RT+5°C ~200°C			/
Working plate temp range		/		ambient+5	5°C ~320°C
Speed rang(rpm)			200~2000		
Temperature accuracy	±1%				
Plate dimension(mm)	130×130	180×180	180×180	130×130	180×180
Exterior dimension (W×H×D)mm	150×110×249	210×130×330	210×129×330	150×110×249	210×129×330
POWER(AC Hz)	220V/50				
Heating power / Input power (Max. W)	400/500	550/600	650/750	400/500	550/600
Weight(KG)	4	5	5	3.5	4.5

Specifications

Model	IT-08A3	IT-08B3	IT-08C5	
Stirring capacity (H ₂ O)		3	5	
Liquid temp range		200~2000		
Working plate temp range	55	50W	_	
Speed rang(rpm)	60	50W		
Liquid temp range	RT+5 ~ 200℃	_	_	
Working plate temp range	_	RT+5 ~ 400°C	_	
Temperature accuracy	±5℃	±15℃	_	
Plate dimension(mm)		Φ145		
Exterior dimension (W×H×D)mm	150×250×130			
Weight(KG)	4.0 3.5			

LCD Microprocessor Controller (with timing function)

of small steel parts which applied in industrial and mining enterprises, universities and research institutes; it can also be used for sintering, dissolution, analysis such high temperature heating of metals, stone tools and ceramics.

Features

- Unique design of furnace door makes opening door safe and easy, ensure the heat of furnace will not leak out.
- Microcomputer PID controller, easy to operate, accurate, reliable and safe temperature control
- Corrosion-resistant light weight furnace ensure long-term life.
- The excellent door seal makes the heat loss minimum and increases the uniformity of the temperature in the
- PID Programmable controller with 7 periods and 9 steps for each period, which means there are 63 programmable steps in total, 0~5999mins for each periods and can set rising or remain temperature, and provide a program of temperature, time, heating power cycle.
- Programmable temperature controller can make experiments procedure more simple to realize automatic control.

- heat and abnormal alarm system(① Heater , ② temperature sensor, ③ memory contents, ④ over temperature)
- Over-current, over-voltage, overheat and various safety measures to ensure safety.
- Ceramic fiberboard insulation material with good heat insulation effect, low temperature on shell surface.

• The safety performance design prevents the high energy consumption. Double-layer structure and cooling fan to make the furnace body is near room temperature during use.

- Firebrick furnace (N series) use of traditional refractory materials, wide range of applications, long life and
- Ceramic fiber furnace (T series) with light weight, fast heating speed, saving energy and time etc. to satisfy the requirements under various conditions.

Serve for chemical element analysis and high-temperature heat treatment for quenching, annealing, tempering

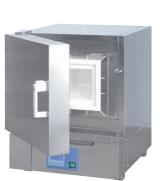
- furnace.
- Door and body are all made of stainless steel which with anti-corrosion.

- The safety switch will automatic shutdown when door open ensures the safety of the operator, fan motor oversound and light alarms reminders operator and ensures experiments run safely
- High quality energy-saving design

Model	Max. Temp	Volume	Interior Size(mm)	Exterior Size(mm)	Electrical	Power	Heating Element	Temp Accuracy /Uniformity
BX2-2.5-10NPCr	1000	2L	120×200×80	400×580×610	220V/50HZ	2.5KW	Electric furnace wire	
BX2-4-10NPCr	1000	7L	200×300×120	520×650×660	220V/50HZ	4KW	Electric furnace wire	
BX2-8-10NPCr	1000	16L	250×400×160	570×810×740	380V/50HZ	8KW	Electric furnace wire	
BX2-12-10NPCr	1000	30L	300×500×200	700×930×845	380V/50HZ	12KW	Electric furnace wire	
BX2-2.5-12NPCr	1200	2L	120×200×80	400×580×610	220V/50HZ	2.5KW	Nickel chrome wire	
BX2-5-12NPCr	1200	7L	200×300×120	520×650×660	380V/50HZ	5KW	Nickel chrome wire	±1°C /5°C
BX2-10-12NPCr	1200	16L	250×400×160	570×810×740	380V/50HZ	10KW	Nickel chrome wire	
BX2-2.5-10TPCr	1000	2L	120×200×80	400×580×610	220V/50HZ	2.5KW	Electric furnace wire	
BX2-4-10TPCr	1000	7L	200×300×120	520×650×660	220V/50HZ	4KW	Electric furnace wire	
BX2-8-10TPCr	1000	16L	250×400×160	570×810×740	380V/50HZ	8KW	Electric furnace wire	
BX2-10-12TPCr	1200	16L	250×400×160	570×810×740	380V/50HZ	10KW	Nickel chrome wire	







Rotary Evaporator



Rotary Evaporator

LCD Microprocessor Controller

Rotary evaporators (also known as "Rotovaps") are mainly used for distillations/separation applications often used for medicinal chemistry, pharmaceutical, chromatography, and petrochemical fields. In summary the system works by increasing the rate of evaporation of the solvent by (1) reducing the pressure to lower the solvent boiling point (2) rotating the sample to increase the effective surface area (3) heating the solution (4) then the evaporated solvent then condenses in a cooled glass condenser.

The Main Components of a Rotary Evaporator are

- Motor unit that rotates the evaporation flask or vial containing the user's sample.
- Heated fluid bath (generally water to heat the sample).
- Vapor duct that is the axis for sample rotation, and acts as a vacuum-tight conduit for the vapor being drawn
- Vacuum system (an oil free vacuum pump/diaphragm pump) to substantially reduce the pressure within the evaporator system.
- Condenser (this normally connects to a recirculating chiller) with a coil passing coolant (water or ethanol).
- Condensate-collecting flask at the bottom of the condenser to catch the distilling solvent after it re-condenses.
- Mechanical or motorized mechanism to quickly lift the evaporation flask from the heating bath.

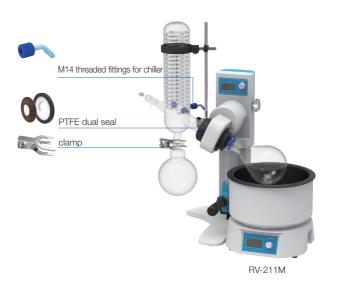
BEING Rotary Evaporator features

- Simple design for one handed operation manually or automatically.
- A unique PTFE sealing system provides exceptional thermostability, minimizes corrosion, and helps to ensure day in day out headache free operation.
- The vertical condenser with dual spiral glass tubing provides a condensing surface area of 0.15m2.
- Evaporation speeds of 22ml/min.
- Our Bath offers a dual heating mode for water and oil with overheat protection.
- PID controller offers easy input of parameters and large LCD display for easy viewing.
- Vacuum regulator available.
- Available 110V and 220V power voltage.

Specifications

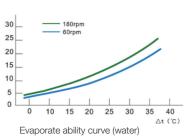
Model		RV-211M RV-211A				
	Rotation speed	20-180rpm				
Deufermen	Water bath temperature range	RT+5~100℃				
Performance	Evaporating speed	221	ml/min			
	Ultimate vacuum	8mbar				
	Speed setting	LCD dispi	lay with knob			
Features	Lifting mode	Manual	automatic			
	Motor function	N/A	DC brushless motor			
	Main motor DC brushless	DC brushless motor				
Structure and composition	Condenser	Snake Condensate Condensate Area 0.15m², 1L Rotary Bottle, 1L Collecting Bottle, TS29 / 38 Bottle Clamp, Ball Face S35 / 20				
	Vacuum Seal	PTFE and Teflon Coating				
	interior wather bath size	D230mr	n•H130mm			
Heating bath	Water bath material	Stainless steel Corrosion resistant coating				
	Heating power	120VAC 50HZ 1000W				
Te	mperature range	5~35°C				
	Electrical input	DC24V 2.5W				









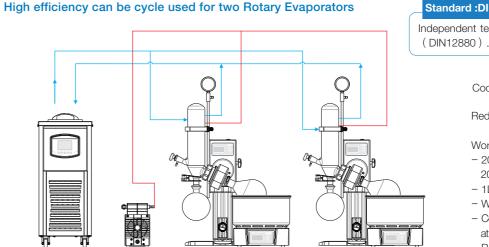


Water/Oil dual use water bath

Basic version equipped with built-in hater; Pro version equipped with external heater which is easy to clean after use.







Standard :DIN-12880

Cooling

Independent temperature safety equipment, 2 class

Reduce pressure ___

Working condition

- 20°C AC220V 50HZ: Ambient temp 20°C AC220V 50HZ
- 1L Rotary bottle
- Water Bath temp: Set at 40°C
- Coolant (alcohol/water): set the temperature at 10°C
- Rotation speed: 120rmp

Circulating Chiller



Circulating Chiller

The recirculating chiller with new design and new features!

The chiller will provide stability and low temperature environment for experimental instruments like rotary evaporator, etching device high temperature electrode, laser processing machinery heating parts, or spectrophotometer heating module. The precise tempeerature control provides out-class system cooling effect, prevents damage from overheating and improves the cooling ability of the instrument.

Features

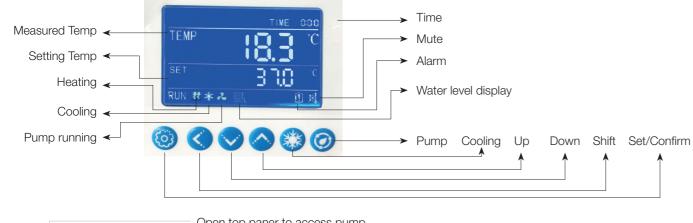
• Eco-friendly refrigerant R404A.

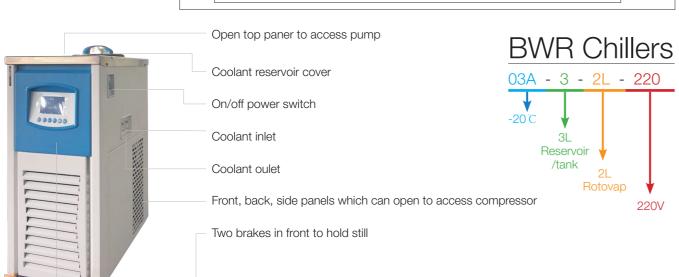
Temperature controller

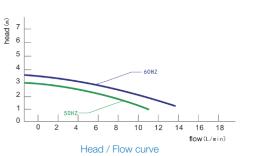
- Cooling parts made by high purity copper nickel plating process with high heat exchange efficiency.
- PID microcomputer control strongly rule out the factors that affect the temperature adjustment accuracy and reduce the error.
- High efficiency circulating pump with quality lift characteristics.
- Built-in stainless steel (SUS304) storage tank with optional configured 0-1200rpm magnetic stirring could achieve multi-purpose.
- The instrument could use both laboratory pure water or ethanol solution as a circulating coolant.
- Built-in compressor protection, over-voltage, and overload protection.



The average operational lifespan pf 10 years is supported by a 2 year warranty and make your purchase a worthwhile investment.







IMPORTANT! TESTS ARE UNDER EMPTY LOAD CONDITION (NO ROTARY EVAPORATORS OR JACKETED REACTORS ATTACHED).

Specifications

F	Production name	Low temperature cooling cycle system						
	Model	BWR-03A/B/C	BWR-05A/B/C	BWR-10A/B/C	BWR-20A/B/C	BWR-30A/B/C		
Storage Tank maximum capacity (L)		3	5	10	20	30		
No-load minimum temperature(°C)		A:-20°C \B:-30°C \C:-40°C						
Best operating temperature(℃)		≤25°C						
Environmental humidity(%RH)		≤65%RH						
Temperature accuracy(°C)		±0.5℃						
Machine noise		≤60dB						
Eco-friendly Refrigerant				R404A				
Machine power (W)		450W	600W	800W	1650W	A:2000W B:2000W C:4100W		
Refrigeration unit current (A)		2.7	3.8	5.8	7.2	7.2		
Coolin	g capacity at -20°C (kw)	0.5	0.8	2.2	3.7	3.7		
Adaptation Steam Turbine (L)		2	2L*2	5L*2 10L*2		20L		
Power requirements		220V/50HZ (110V/60HZ)	220V/50HZ (110V/60HZ)	220V/50HZ/60HZ 220V/50HZ/60HZ		220V/50HZ/60HZ 380V/50HZ/60HZ		
Magnetic stirrer devices		Optional			N/A			
	Maximum flow rate (L / min)	11	16	23	40	40		
Pump	Maximum head (m)	3.5m						
Pullip	perating pressure (bar)	0.35	0.5	0.5	0.5	1		
	Inlet/Outlet pipe diameter (mm)	ф8	ф8	ф 12	ф 12	ф 19		
	Weight (Kg)	30	50	75	105	110		
Size	Liquid tank opening / depth (mm)	ф 180mm*120mm	ф 220mm*180mm	φ 250mm*250mm	ф 300mm*300mm	ф 350mm*350mm		
	Dimensions (mm)	245*530*580	310*530*580	400*530*830	450*530*830	500*850*1100		
Controll	ontroller, monitor	LCD						
Controller	Computer interface	R485						
Security	Protection reminders	delay, leakage, overcurrent, overvoltage						
Features	Low liquid level alarm	No Yes						

Homogenizer



Homogenizer

The B-500 is a simple, easy to handle and has the ability to achieve quality results quickly. He has the speed and power to emulsify, suspend, cut and chop always to deliver accurate results. It has complete flexibility to hold it by hand, mounted to a pole or wall, with mounting plate or type H.

Feature

• The B-500 homogenizer is the ideal solution for dispersing, homogenizing, mixing and grinding biological tissue samples (cells, animal and plant tissues), pharmaceutical products, cosmetics and food products. The WT500 is characterized by a high versatility that makes it unique on the market. A "Quick Lock" single quarter turn assembly shaft can be combined with a wide selection of stator and rotor configurations according to the specific application for which it is to be used. Flexible, easy-to-use, rapid and user-friendly stator and rotor interchangeability: a single instrument for a wide range of uses that ensures excellent performance and safety.



Specifications

model	B-500-A	B-500-B			
Voltage/ Frequency	110-120V/60Hz,220-240V/50-60Hz				
Power input/output(W)	500Watt				
speed range(rpm)	10000-30000rpm				
Rotor speed(m/sec)	22.7-36m/sec				
Speed Setting	6 speeds				
Range(ml,H2O)	100ml-5,000ml (Dispersing Shaft set B-500/SS20CSR20)	100ml-5,000ml (Dispersing Shaft set B-500/SS20FER20)			
Max viscosity(mPas)	10,000mPas				
Material	stainless steel PTEE				
Weight(kg)	1.3kg				
Dimensions(mm)	70mmx70mmx255				
noise emission(drive only)	79dB(A)				
Operating Environment	0-40°C , 85%rel.humidity				
Protection class	IP20				

Options

Dispersing Shaft set	Model	Medium Function	Treatable Volume (H2O)/(ml)	Max linear velocity (m/sec)	Rotor diameter (mm)	Stator diameter (mm)	Min/max emersion depth (mm)
1	SS20CSR20	SOLID / LIQUID	10-5000	23.5	15	20	40/175
	SS20FER20	SUSPENSION/ EMULSIONS	10-5000	23.5	15	20	40/175
	SS30CCR30	STRINGY/ FIBROUS	100-8000	36.1	23	30	40/175
	SS30FER30	SUSPENSION/ EMULSIONS	100-8000	36.1	23	30	40/175
	SS40CCR40	SOLID / LIQUID	100-20000	50.3	32	40	40/175
	SS05CSR04	LIQUID / LIQUID	1-50	6	5	5	10/70

The B-170 is a simple, easy to handle and has the ability to achieve quality results quickly. He has the speed and power to emulsify, suspend, cut and chop always to deliver accurate results. It has complete flexibility to hold it by hand, mounted to a pole or wall, with mounting plate or type H.

Features

• The B- 170 is a rotor/stator type hand held tissue homogenizer which can rapidly dispersing, homogenizing, extractions, cell disruption, mixing, emulsifying, suspending samples in 0.1 - 50 ml of liquid or 1-250ml depending on the dispersing shaft. During operation, the suspended material is drawn into the core of the homogenizer by a rotor turning at up to 30,000 rpm. The material is repeatedly cycled through narrow slits in the stator where it is rapidly sheared and disintegrated by high shear mechanical action. Complete homogenization of tissues (muscle, liver, breast tissue, etc.) is usually achieved in a few seconds. Little, if any, heat is produced during the process.



Specifications

model	B-170-A	B-170-B			
Voltage/ Frequency	110-120V/60Hz,220-240V/50-60Hz				
Power input/output(W)	160Watt				
speed range(rpm)	8000-30000rpm				
Rotor speed(m/sec)	6.3-14m/sec				
Speed Setting	6 speeds				
Range(ml,H2O)	0.1-50ml (Dispersing Shaft set B-170/5)	1-250ml(Dispersing Shaft set B-170/10)			
Max viscosity(mPas)	5,000mPas				
Material	stainless steel PTEE				
Weight(kg)	0.6kg				
Dimensions(mm)	46mmx55mmx230mm				
noise emission(drive only)	72dB(A)				
Operating Environment	0-40℃, 85%rel.humidity				
Protection class	IP20				

Options

Dispersing Shaft set	Model	Medium Function	Treatable Volume (H2O)/ (ml)	Max linear velocity (m/sec)	Rotor diameter (mm)	Stator diameter (mm)	Min/max emersion depth (mm)
	B-170/5	LITTLE SAMPLE SOLID / LIQUID	0.1-50	6.3	3	5	7/50
	B-170/10	LITTLE SAMPLE SOLID / LIQUID	1-250	14	6	10	10/120
	B-170/14	LITTLE SAMPLE SOLID / LIQUID	100 - 1000	20	13	14	15/130