



VACUUM OVEN

VACUUM OVEN BER2I1 TO BER2I4

VACUUM DRYING OVEN

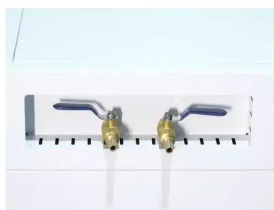


1. 4-sides heating method, temperature conduction by shelves, more efficiency.
2. With an inflatable port, once-forming thermostability silica gel sealant strip, with good tightness
3. Double layer observation glass window, inner is toughened glass, outside is resin protection plate, more safety.
4. Fastening handle, convenient for opening and closing.

SPECIFICATIONS

Model	BER2I1	BER2I2	BER2I3	BER2I4
Old Model	BOVA-301	BOVA-302	BOVA-303	
Heating Mode	Four walls heat conduction and decompression			
Function				
--Temp. Range	RT+10-250℃			
-- Useful vacuum Degree range	<133Pa			
--Temp. Resolution Ratio	0.1℃			
--Temp. Motion	±1℃			
--Heating -Up Time	80min	100min	120min	
Structure				
--Inner Chamber	High Quality stainless steel			
--Quter Shell	Cold rolling steel electrostatic spraying exterior			
--Insulation Layer	High quality aluminum silicate cotton (with CE certification)			
--Heater	Stainless steel electric heat tube			
--Observation Window	Bullet-proof tempered glass			
--Vacuum Meter	Pointer type, accuracy class 1.6%			
-- Nozzle Diameter	10mm			
-- Power Rating	0.8kW	1.4kW	2.0kW	3.0kW
Controller				
--Temp. Control Mode	Two temperature section PID intelligent			
--Temp. Setting Mode	Touch button setting			
--Temp. Display Mode	Measuring temperature:display on the four digital tubes upper row; setting temperature; display on the lower row			
--Timer	0-9999min(with timing wait function)			
--Operation Function	Fixed temperature operation, timing function, auto stop			
--Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory			
--Sensor	PT100			
Safety Device	Over temperature sound-light alarm			
Specification		Two temperature section PID intelligent		
--Inner Chamber size(W*L*H)(mm)	300*300*270	415*370*340	450*450*450	550*600*650

--Exterior Size (W*L*H)(mm)	480*480*606	560*540*680	640*590*780	740*740*1000
--Packing Size (W*L*H)(mm)	590*550*750	704*620*814	739*700*889	839*850*1109
--Volume	24L	52L	91L	214.5L
--Max. Shelf Number	4	6	7	8
--Load Per rack	15kg			
--Shelf Space	40mm		50mm	70mm
--Power Rating (50/60HZ)	AC220V/3.6A	AC220V/6.3A	AC220V/9.1A	AG220V/13.6A
--NW/GW (kg)	42/52	67/92	82/105	170/200
Accessory				
--Shelf	2			
--Shelf Frame	4			
Optional accessories	Silicone connecting tube, vacuum pump filter, vacuum pump Optional Accessories Silicone connecting tube, vacuum pump filter, vacuum pump			
Alt Name	Vacuum Drying Oven			



APPLICATIONS

For the design of drying heat sensitive and easy decomposition, easy oxidation material, inert gas into.

VACUUM OVEN BGI1H1 TO BGI1H21

VACUUM OVEN



- 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

Model	BGI1H1	BGI1H2	BGI1H3	BGI1H4
Old Model	BOVA-7201	BOVA-7202	BOVA-7203	BOVA-7204
Electrical Requirement	AC220V 50HZ			

Controller	LED display			
Power Consumption	400W		700W	
Temperature Range	RT-10~200℃			
Display Resolution	0.1			
Temperature Stability	±1℃			
Vacuum Degree	133Pa			
Chamber Volume	10L	24L		
Ambient Temperature	+5~40℃			
Interior Dimension (WxDxH)mm	220x210x220	300x300x275		
Exterior Dimension (WxDxH)mm	500x375x410	605x490x450		
Shelves	2(pcs)	1(pc)	2(pcs)	4(pcs)
Chamber Material	304 Stainless steel			
Alt Name	Vacuum Oven			

Model	BGI1H5	BGI1H6	BGI1H7	BGI1H8
Old Model	BOVA-7205	BOVA-7206	BOVA-7207	BOVA-7208
Electrical Requirement	AC220V 50HZ			
Controller	LED display			
Power Consumption	1450W			
Temperature Range	RT-10~200°C			
Display Resolution	0.1			
Temperature Stability	±1°C			
Vacuum Degree	133Pa			
Chamber Volume	50L			
Ambient Temperature	+5~40°C			
Interior Dimension (WxDxH)mm	415x370x345			
Exterior Dimension (WxDxH)mm	730x560x550			
Shelves	2(pcs)	3(pcs)	5(pcs)	6(pcs)
Chamber Material	316 SS			
Alt Name	Vacuum Oven			

Model	BGI1H9	BGI1H10	BGI1H11	BGI1H12
Old Model	BOVA-7215	BOVA-7216	BOVA-7217	BOVA-7218
Electrical Requirement	AC220V 50HZ			
Controller	LED display			
Power Consumption	1500W	2300W	1550W	2850W
Temperature Range	RT-10~200℃			
Display Resolution	0.1			
Temperature Stability	±1℃			
Vacuum Degree	133Pa			
Chamber Volume	125L		216L	
Ambient Temperature	+5~40℃			
Interior Dimension (WxDxH)mm	500x500x500		600x600x600	
Exterior Dimension (WxDxH)mm	790x660x641		890x760x741	
Shelves	3(pcs)-Independent temp. control		6(pcs)	
Chamber Material	304 Stainless steel			
Alt Name	Vacuum Oven			

Model	BGI1H13	BGI1H14	BGI1H15
Old Model	BOVA-7209	BOVA-7210	BOVA-7211

Electrical Requirement	AC220V 50HZ		
Controller	LED display		
Power Consumption	850W		
Temperature Range	RT-10~200℃		
Display Resolution	0.1		
Temperature Stability	±1℃		
Vacuum Degree	133Pa		
Chamber Volume	30L		
Ambient Temperature	+5~40℃		
Interior Dimension (WxDxH)mm	320x320x300		
Exterior Dimension (WxDxH)mm	630x510x490		
Shelves	1(pc)	2(pcs)	4(pcs)
Chamber Material	304 Stainless steel		
Alt Name	Vacuum Oven (Special for chemistry)		

Model	BGI1H16	BGI1H17	BGI1H18
Old Model	BOVA-7212	BOVA-7213	BOVA-7214
Electrical Requirement	AC220V 50HZ		
Controller	LED display		
Power Consumption	870W	1950W	
Temperature Range	RT-10~200℃		
Display Resolution	0.1		
Temperature Stability	±1℃		
Vacuum Degree	133Pa		
Chamber Volume	90L		
Ambient Temperature	+5~40℃		
Interior Dimension (WxDxH)mm	450x450x450		
Exterior Dimension (WxDxH)mm	740x610x591		
Shelves	2(pcs)	4(pcs)	6(pcs)
Chamber Material	304 Stainless steel		
Alt Name	Vacuum Oven		

Model	BGI1H19	BGI1H20	BGI1H21
Old Model	BOVA-7219	BOVA-7220	BOVA-7221
Electrical Requirement	AC220V 50HZ		
Controller	LED display		
Power Consumption	300W	650W	
Temperature Range	RT-10~65℃		
Display Resolution	0.1		
Temperature Stability	±1℃		
Vacuum Degree	133Pa		
Chamber Volume	30L/50L		
Ambient Temperature	+5~40℃		
Interior Dimension (WxDxH)mm	320x320x300 / 415x370x345		
Exterior Dimension (WxDxH)mm	610x510x490 / 730x560x550		
Shelves	1(pc)	2(pcs)	5(pcs)
Chamber Material	304 Stainless steel		
Alt Name	Vacuum Oven (Special for biology)		

APPLICATIONS

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.

VACUUM OVEN BER1J1 TO BER1J4

PRECISION VACUUM DRYING OVEN



1. 4-sides Heating method, Temperature conduction by shelves, more efficiency.
2. With inflatable port, once-forming thermostability Silica gel Sealant strip, with good tightness
3. Double Observation glass window, inner is explosion - proof glass, outside is resin protection plate, more safety.
4. Fastening handle, convenient for opening and closing.
5. LCD controller,multiple groups of data display on one screen, intelligent PID control system, with PT100 sensor.
6. LCD vacuum gauge, accuracy class 0.5, Mpa, Kpa, bar, Psi, KGF/cm five pressure units optional switch.

SPECIFICATIONS

Model	BER1J1	BER1J2	BER1J3	BER1J4
Heating Mode	Four walls heat conduction and decompression			
Function				
--Temp. Range	RT+10-250℃			
-- Useful vacuum Degree range	<133Pa			
--Temp. Resolution Ratio	0.1℃			
--Temp. Motion	±1℃			
--Heating -Up Time	80min	100min	120min	
Structure				
--Inner Chamber	High Quality stainless steel			
--Quter Shell	Cold rolling steel electrostatic spraying exterior			
--Insulation Layer	High quality aluminum silicate cotton (with CE certification)			
--Heater	Stainless steel electric heat tube			
--Observation Window	Bullet-proof tempered glass			
--Vacuum Meter	LCD Display, accuracy class 0.5			
-- Nozzle Diameter	10mm			
-- Power Rating	0.8kW	1.4kW	2.0kW	3.0kW
Controller				
--Temp. Control Mode	Two temperature section PID intelligent			
--Temp. Setting Mode	Touch button setting			
--Temp. Display Mode	LCD Color screen Liquid crystal displays multiple groups of data on one screen			
--Timer	0-9999min(with timing wait function)			
--Operation Function	Fixed temperature operation, timing function, auto stop			
--Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory			
--Sensor	PT100			

Safety Device	Over temperature sound-light alarm			
Specification		Two temperature section PID intelligent		
--Inner Chamber size(W*L*H)(mm)	300*300*270	415*370*340	450*450*450	550*600*650
--Exterior Size (W*L*H)(mm)	480*480*606	560*540*680	640*590*780	740*740*1000
--Packing Size (W*L*H)(mm)	590*550*750	704*620*814	739*700*889	839*850*1109
--Volume	24L	52L	91L	214.5L
--Max. Shelf Number	4	6	7	8
--Power Rating (50/60HZ)	AC220V/3.6A	AC220V/6.3A	AC220V/9.1A	AG220V/13.6A
--NW/GW (kg)	42/52	67/92	82/105	170/200
Accessory				
--Shelf	2			
--Shelf Frame	4			
Optional accessories	Silicone connecting tube, vacuum pump filter, vacuum pump Optional Accessories Silicone connecting tube, vacuum pump filter, vacuum pump			
Alt Name	Precision Vacuum Drying Oven			

VACUUM OVEN BEV1C1 TO BEV1C4

VACUUM DRYING OVEN

Vacuum Drying Oven designed for drying heat-sensitive and easily oxidized substances, especially suitable for powder or granular samples, and effectively reducing the drying time, which is used in biopharmaceutical, medical utilities, agricultural research and other fields.

Vacuum Drying Oven adopts cavity preheating technology, and S.H-Transfer Shelf heat transfer advanced patented technologies, to ensure the smooth progress of the experiment and culture of the sample.

Adopt valve electronic control technology, combined with automatic CNC vacuum, make operation more convenient, greater accuracy.

IQ, OQ, PQ and other related certification services.

CE certification. Two-year warranty period.



Cavity Warm-up Technology

The advanced cavity preheat technology is the heating elements evenly distributed around the inner chamber, the pre-heating of the cavity inner wall, and then through the heat transfer and forced-fan convection, so that the cavity temperature of every point can accurately achieve and maintain setting value, thus ensuring uniform distribution of cavity temperature;

With uniform distribution of heat, so low energy consumption, heat is not easily lost, and enables customers to use cost reduction.

Programmable PID Control

Integrated, dot-matrix LCD display, Chinese and English subtitles, all parameters would be clear at a glance

User-friendly design. Display parameters: temperature, vacuum, cycle, run time,

SPECIFICATIONS

Model	BEV1C1	BEV1C2	BEV1C3	BEV1C4
Old Model	BOVA-101	BOVA-102	BOVA-201	BOVA-202
Control System	10-segment programmable microcomputer PID intelligent automatic control system			
Vacuum Degree display	Pointer display		Digital display	
Vacuum degree control	Manual control		Electronic automatic control	
Temp. Range (°C)	RT+5°C~250°C			
Temperature resolution (°C)	±0.1			

Temp. Fluctuation (°C) (RT+10°C~240°C)	±1		±0.5	
Timer Range	0~99h, or 0~9999min, can be chose			
Working environment	Ambient temperature: 10~30°C, Humidity<70%			
Insulation materials	Imported environmental protection type material			
External Dimensions (HxWxD) mm	695x545x480	783x635x550	695x545x480	783x635x550
Internal Dimensions (HxWxD) mm	285x258x315	375x348x385	285x258x315	375x348x385
Interior Volume (L)	23	50	23	50
Interior materials	SUS304 stainless steel inner			
Standard tray number	2			
Power (W)	800	1200	850	1250
Supply voltage	Single phase AC220V/50Hz			
Net weight (KG)	33	68	35	70
Shipping weight (KG)	35	71	38	73
Packing size (HxWxD) mm	820x625x600	900x715x670	820x625x600	900x715x670
Alt Name	Vacuum Drying Oven		Vacuum Drying Oven(High-end Configuration)	



ACCESSORIES FOR PURCHASE

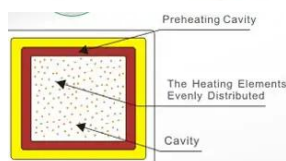
No	Name
1	Portable printer
2	Gas interface
3	Software
4	Vacuum pump.

FEATURES

Cavity Warm-up Technology

The advanced cavity preheat technology is the heating elements evenly distributed around the inner chamber, the pre-heating of the cavity inner wall, and then through the heat transfer and forced-fan convection, so that the cavity temperature of every point can accurately achieve and maintain setting value, thus ensuring uniform distribution of cavity temperature;

With uniform distribution of heat, so low energy consumption, heat is not easily lost, and enables customers to use cost reduction.



Programmable PID Control

Integrated, dot-matrix LCD display, Chinese and English subtitles, all parameters would be clear at a glance

User-friendly design. Display parameters: temperature, vacuum, cycle, run time, run/stop.

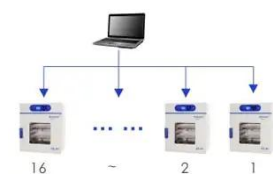
Adaptive PID controllers precisely control the temperature, prevent temperature soaring, keep the working room temperature stable and uniform.

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

Programmable multistage control, to meet customer needs, temperature control up to 10 sets. Time setting: 0-99 h, 0-9999 min, programs can be executed automatically cycles.

Set operations with beep tips.

Can use the remote control of computer software, professional supporting the operation programmable software (optional).



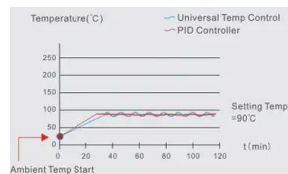
Micro-computer intelligent controller



Software

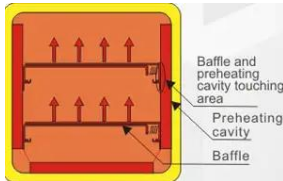


Power socket and Rs485 interface



Shelf Heating Transfer Technology

Leading international record shelf heat transfer technology, increase effective contact area between shelf and pre-heating chamber, make shelf temperature and pre-heating chamber temperature consistent. Shelf heat transfer technology successfully resolved problems that reduced heat transfer under vacuum, so that sample would be the most direct and optimized heat transfer.



Baffle heating transfer technology

Excellent Imported Temperature And Vacuum Sensor

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

Imported pressure sensors, to provide accurate pressure value, provide an effective guarantee for vacuum stability control.



Pt100temperature sensor



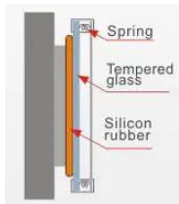
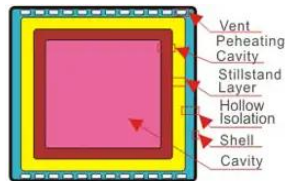
Vacuum sensor

Pro- Insulation Technology

Based on the effective use of heat as a concept, use complete isolation design between the liner and shell to avoid energy loss due to heat transfer.

Adopt imported high-density thermal insulation material wrapped liner, effective heating insulation and stillstand.

Good silicone door seal, isolation-type hinge design, equip with buckle door handles, ensure excellent sealability.



Pressure protection



Double protection observation window

VACUUM OVEN BGI1J1 TO BGI1J6

VACUUM OVEN

Programmability controller (with timing function)

Vacuum oven is designed especially for drying of material which is thermo-sensitive or decomposes and oxidizes easily. It can be filled with inert gases, which is especially for a rapid drying of some compound material.



- Microprocessor controller.
- Dual layer tempered glass door for clear observation.
- Minimum heating time 50% less than traditional vacuum oven.
- Interior chamber made from stainless steel with a mirror polished finish making for easy cleaning.
- Standard with vacuum pump.
- Provides programmability for 7 periods and 9 steps for each period making for a total of 63 programmable steps.

SPECIFICATIONS

Model	BGI1J1	BGI1J2	BGI1J3
Old Model	BOVA-7401	BOVA-7402	BOVA-7403
Electrical Requirement	AC380V 50HZ		AC220V 50HZ
Controller	LCD Programmability controller		
Power Consumption	5600W	3800W	2100W
Temperature Range	RT+10 ~ 200°C		
Display Resolution	0.1		
Temperature Stability	±1°C		
Vacuum Degree	133Pa		
Ambient Temperature	+5~40°C		
Chamber Volume	913L	431L	197L
Interior Dimension (WxDxH) mm	750x1160x1050	630x810x845	540x575x635
Exterior Dimension (WxDxH) mm	1400x1395x2010	1000x1040x1855	720x740x1530
Shelves	5pcs (Independent temp. control)	4pcs (Independent temp. control)	3pcs
Chamber Material	304 Stainless steel		
Alt Name	Vacuum Oven		

Model	BGI1J4	BGI1J5	BGI1J6
Old Model	BOVA-7404	BOVA-7405	BOVA-7406
Electrical Requirement	AC220V 50HZ		
Controller	LCD Programmability controller		
Power Consumption	2050W	1800W	1200W
Temperature Range	RT+10 ~ 200°C		
Display Resolution	0.1		
Temperature Stability	±1°C		
Vacuum Degree	133Pa		
Ambient Temperature	+5~40°C		
Chamber Volume	125L	63L	32L
Interior Dimension (WxDxH) mm	500x500x500	400x400x400	320x320x320

Exterior Dimension (WxDxH) mm	660x640x1400	600x570x1390	550x490x1240
Shelves	3pcs		2pcs
Chamber Material	304 Stainless steel		
Alt Name	Vacuum Oven		



VACUUM OVEN BGI2H1 TO BGI2H10

VACUUM OVEN

Vacuum Oven:

The vacuum oven maintains a certain degree of vacuum in the tank, lowers the boiling point, and can also be supplied with an inert gas. It is specially designed for the heat-sensitive, easy-decomposing and drying of easily oxidizable substances. It has a fast drying speed, low pollution and will not be dried, are widely used in pharmaceutical, food, chemical, electronics and other industries.



Intelligent:

It provides two options: colorful touch screen controller and LCD controller. It is easy to operate. (Professional type LCD controller)

With preset power on, standby and shutdown functions.

Parameters such as multi-stage temperature, circulating wind speed, time and heating rate can be set and programmed at the same time, simplifying the complicated test process and realizing automatic control and operation.

Specialization:

Tested and manufactured using the international DIN-12880-2007 standard.

Provide professional temperature control, high temperature control accuracy and small temperature uniformity error.

Adopt Environmental Design to effectively prevent heat loss, and the heating pow

SPECIFICATIONS

Model	BGI2H1	BGI2H2	BGI2H3	BGI2H4	BGI2H5
Old Model	BOVA-5801	BOVA-5802	BOVA-5803	BOVA-5804	BOVA-5805
Type	Touch screen				
Capacity (L)	24L	51L	91L	125L	216L
Temp Range	RT+10°C - 200°C				
Temperature Accuracy	±1°C				
Display Resolution	0.1°C				
Max degree of vacuum	99Pa				
Standard Max number of shelves	2 (3)	2 (5)	2 (6)	2 (10)	2 (13)
Max load per shelf	20Kg				
Interior Material	304 stainless steel				
Interior Dimension WxDxH (mm)	300x300x275	415x370x345	450x450x450	500x500x500	600x600x600
Exterior Dimension WxDxH (mm)	445x505x590	580x594x670	610x721x774	660x824x774	760x874x924

NW	60Kg	95Kg	145Kg	175Kg	245Kg
Inert gas air inlet	standard				
Electrical Requirement	AC220V/50Hz				
Power Consumption	700W	1400W	2000W	2400W	2800W
Alt Name	Vacuum Oven				
Model	BGI2H6	BGI2H7	BGI2H8	BGI2H9	BGI2H10
Old Model	BOVA-5901	BOVA-5902	BOVA-5903	BOVA-5904	BOVA-5905
Type	LCD Controller				
Capacity (L)	24L	51L	91L	125L	216L
Temp Range	RT+10°C - 200°C				
Temperature Accuracy	±1°C				
Display Resolution	0.1°C				
Max degree of vacuum	99Pa				
Standard Max number of shelves	2 (3)	2 (5)	2 (6)	2 (10)	2 (13)
Max load per shelf	20Kg				
Interior Material	304 stainless steel				
Interior Dimension WxDxH (mm)	300x300x275	415x370x345	450x450x450	500x500x500	600x600x600
Exterior Dimension WxDxH (mm)	445x505x590	580x594x670	610x721x774	660x824x774	760x874x924
NW	60Kg	95Kg	145Kg	175Kg	245Kg
Inert gas air inlet	standard				
Electrical Requirement	AC220V/50Hz				
Power Consumption	700W	1400W	2000W	2400W	2800W
Alt Name	Vacuum Oven				

FEATURES

Intelligent:

It provides two options: colorful touch screen controller and LCD controller. It is easy to operate. (Professional type LCD controller) With preset power on, standby and shutdown functions.

Parameters such as multi-stage temperature, circulating wind speed, time and heating rate can be set and programmed at the same time, simplifying the complicated test process and realizing automatic control and operation.

Specialization:

Tested and manufactured using the international DIN-12880-2007 standard.

Provide professional temperature control, high temperature control accuracy and small temperature uniformity error.

Adopt Environmental Design to effectively prevent heat loss, and the heating power is reduced by 20% compared with the traditional design.

Stackable to save lab space.

Safety:

Protection of equipment: The second set of temperature limit alarm system conforms to international standards. When the heating is out of control or exceeds the maximum limit temperature, the heating is automatically cut off, and the sound and light alarm reminds the operator. Ensure that the equipment operates safely without accidents.

Protection of key components: The key electrical components are equipped with over-current, over-temperature, overload and other safety protection to prevent accidental equipment.

Protection of the sample: When the temperature inside the box is higher or lower than the set temperature, the alarm will start to cut off the heater, and the sound and light will remind the operator to protect the sample from normal test without accident.

Protection for users: The cabinet and door are specially insulated to make the surface temperature of the cabinet low, ensuring the operator's safety and no accidents.

Provide fault information: When the device fails, the display will display fault information to ensure that the fault information is clear at a glance.

Humanized design:

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

The machine above 90L has moving casters for flexible and convenient movement.

The door is closed and elastically adjustable, and the integrated molded silicone rubber door seal ring ensures the vacuum inside the box.

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.

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.



Advanced Color Intelligent Touch Screen Control:

1. 4.3 inch touch screen, intelligent touch control, real-time display of parameters, simple and convenient operation.
2. Quick setting of temperature, time and other parameters can be carried out.
3. 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 LCD Controller

1. Intelligent program control with high brightness LCD screen, button operation and real-time display of parameters.
2. Quick setting of temperature, time and other parameters can be carried out.
3. 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.



Intelligent solenoid valve:

1. Vacuum exhaust pipe adopts solenoid valve automatic control, which is more convenient, labor-saving and safer than mechanical control valve.
2. Joint control of solenoid valve and vacuum pump, solenoid valve opening vacuum pump can automatically open, solenoid valve closing vacuum pump can automatically close, avoiding the possibility of errors in operation.
3. The inert gas intake pipeline is controlled by solenoid valve, which is easy to operate and safe.



Bundled heating technology:

1. The shelf is tightly combined with the inner gallbladder with large angle, large contact area, high thermal conductivity and good temperature uniformity, which is 40% higher than that of the traditional way and 50% higher than that of the box.
2. The height of shelf is adjustable, it can be used for drying different sizes of articles and materials, and it is easy to operate.



Stainless steel inner liner:

1. The liner is made of 304 stainless steel, sandblasted and has good heat resistance. Strong corrosion resistance, ensuring durability and easy cleaning.
2. The shelf is made of aluminum, sandblasted, and has a large contact area. High thermal conductivity, 40% higher heat transfer efficiency than conventional methods.
3. The number of shelves is optional, and the number of shelves can be increased as needed to improve the efficiency of vacuum box use.

Large View Window:

1. Large viewing angle window is adopted to make the objects in the working room clear at a glance.
2. Tempered and bullet-proof double-layer glass is used in the visible window, which has strong pressure resistance and is safe and reliable.
3. The visible window has LED light source to observe the drying condition of the object in the box more clearly.(option)

Special Power Supply for Vacuum Pump:

1. With special power supply jack for vacuum pump and linkage control with solenoid valve, the vacuum pump can start automatically when the solenoid valve is opened. When the solenoid valve is closed, the vacuum pump can be automatically closed. The operation is simple and convenient, and there will be no misoperation. It is safe and reliable.

Inert Gas Intake Valve:

1. With inert gas inlet to meet the needs of special materials demand for inert gas drying.

VACUUM OVEN BGI1I1 TO BGI1I6

VACUUM OVEN

Microprocessor controller (with timing function)

Vacuum oven is designed especially for drying of material which is thermo-sensitive or decomposes and oxidizes easily. It can be filled with inert gases, which is especially for a rapid drying of some compound material.



Vacuum Oven BGI1I1

- Microprocessor controller.
- Dual layer tempered glass door for clear observation.
- Minimum heating time 50% less than traditional vacuum oven.
- Interior chamber made from stainless steel with a mirror polished finish making for easy cleaning.
- Standard with vacuum pump.
- Direct heating and control by shelves: Each shelf has a separate temperature sensor, can be independently displayed and controlled temperature in setting, monitoring and timing, more accurate and stable

SPECIFICATIONS

Model	BGI1I1	BGI1I2	BGI1I3	BGI1I4
Old Model	BOVA-7301	BOVA-7302	BOVA-7303	BOVA-7304
Electrical Requirement	AC380V 50HZ		AC220V 50HZ	
Controller	LED display			
Power Consumption	5800W	3800W	2100W	3400W
Temperature Range	RT+10 ~ 200℃			
Display Resolution	0.1			
Temperature Stability	±1℃			
Vacuum Degree	133Pa			
Ambient Temperature	+5~40℃			
Chamber Volume	913L	431L	215L	
Interior Dimension (WxDxH) mm	750x1160x1050	630x810x845	560x600x640	
Exterior Dimension (WxDxH) mm	1400x1395x2010	1000x1040x1855	720x820x1750	
Shelves	5pcs (Independent temp. control)	4pcs (Independent temp. control)	3pcs (Independent temp. control) 6pcs	
Chamber Material	304 Stainless steel			
Alt Name	Vacuum Oven			

Model	BGI1I5	BGI1I6
Old Model	BOVA-7305	BOVA-7306
Electrical Requirement	AC220V 50HZ	
Controller	LED display	
Power Consumption	1350W	2400W
Temperature Range	RT+10 ~ 200℃	
Display Resolution	0.1	
Temperature Stability	±1℃	
Vacuum Degree	133Pa	
Ambient Temperature	+5~40℃	
Chamber Volume	90L	

Interior Dimension (WxDxH) mm	450x450x450
Exterior Dimension (WxDxH) mm	610x590x1350
Shelves	2pcs (Independent temp. control) 4pcs
Chamber Material	304 Stainless steel
Alt Name	Vacuum Oven



FEATURES BGI111 BGI112 BGI113 BGI115

- Microprocessor controller.
- Dual layer tempered glass door for clear observation.
- Minimum heating time 50% less than traditional vacuum oven.
- Interior chamber made from stainless steel with a mirror polished finish making for easy cleaning.
- Standard with vacuum pump.
- Direct heating and control by shelves: Each shelf has a separate temperature sensor, can be independently displayed and controlled temperature in setting, monitoring and timing, more accurate and stable

FEATURES BGI114 BGI116

- Microprocessor controller.
- Dual layer tempered glass door for clear observation.
- Minimum heating time 50% less than traditional vacuum oven.
- Interior chamber made from stainless steel with a mirror polished finish making for easy cleaning.
- Standard with vacuum pump.
- Direct heating and control by shelves: Each shelf has a separate temperature sensor, can be independently displayed and controlled temperature in setting, monitoring and timing, more accurate and stable

- Microprocessor controller.
- Dual layer tempered glass door for clear observation.
- Minimum heating time 50% less than traditional vacuum oven.
- Interior chamber made from stainless steel with a mirror polished finish making for easy cleaning.
- Standard with vacuum pump.

VACUUM OVEN BGI1K1 TO BGI1K7

VACUUM OVEN (LCD)

Microprocessor controller (with timing function)

Vacuum degree Control:

Vacuum oven adopts the digital technique of simulated engineering to control vacuum degree.

The vacuum degree controlled by full-automatic electromagnetism valve which make the degree control more exact.

Vacuum control rang: 20Pa ~9999Pa

Vacuum display rang: 1Pa ~9999Pa

Vacuum accuracy: 1Pa

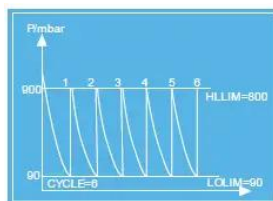


- Programmable vacuum cycle
- LCD vacuum degree window
- Suitable for drying thermo-sensitive material
- Shorter drying time for sample that does not dry easily
- Dual layer tempered glass door for clear observation
- Fully automatic electromagnetism controlled vacuum
- Minimum heating time 50% less than traditional vacuum oven

SPECIFICATIONS

Model	BGI1K1	BGI1K2	BGI1K3	BGI1K4
Old Model	BOVA-7501	BOVA-7502	BOVA-7503	BOVA-7504
Electrical Requirement	AC380V 50HZ		AC220V 50HZ	
Temperature Range	RT+10~200℃			
Display Resolution	0.1℃			
Temperature Stability	±1℃			
Vacuum Gauge	Digital Display			
Vacuum Degree	133Pa			
Vacuum Sensor	Resistance silicon tube pressure sensor			
Vacuum Control Range	10 ⁰ ~10 ⁵ Pa			
Power Consumption	5600W	3800W	2100W	2050W
Chamber Volume	913L	431L	215L	125L
Interior Dimension (WxDxH, mm)	750x1160x1050	630x810x845	560x600x640	500x500x500
Exterior Dimension (WxDxH, mm)	1400x1395x2010	1000x1040x1855	720x820x1750	660x640x1400
Shelves	5pcs (Independent temperature control)	4 pcs (Independent temperature control)	3 pcs (Independent temperature control)	3pcs
Chamber Material	304 Stainless steel (1Cr18Ni9Ti)			
Alt Name	Vacuum Oven (LCD)			
Model	BGI1K5		BGI1K6	BGI1K7
Old Model	BOVA-7505		BOVA-7506	BOVA-7507
Electrical Requirement	AC220V 50HZ			
Temperature Range	RT+10~200℃			
Display Resolution	0.1℃			
Temperature Stability	±1℃			

Vacuum Gauge	Digital Display		
Vacuum Degree	133Pa		
Vacuum Sensor	Resistance silicon tube pressure sensor		
Vacuum Control Range	10 ⁰ ~10 ⁵ Pa		
Power Consumption	1350W	1800W	1200W
Chamber Volume	90L	63L	32L
Interior Dimension (WxDxH, mm)	450x450x450	400x400x400	320x320x320
Exterior Dimension (WxDxH, mm)	610x590x1350	600x570x1390	550x490x1240
Shelves	2pcs (Independent temperature control)	3pcs	2pcs
Chamber Material	304 Stainless steel (1Cr18Ni9Ti)		
Alt Name	Vacuum Oven (LCD)		



VACUUM OVEN BER1K1 TO BER1K6

AUTOMATIC PRECISION VACUUM DRYING OVEN (PLUGGABLE SHELF HEATING)



1. SUS304 embossed stainless steel housing, SUS304 mirrored stainless steel studio, 5083 corrosion resistant aluminum plate.
2. Independent pluggable shelf heating.
3. Fixed value or program operation mode, true color 7.0-inch touch screen multi-section PID temperature controller, high temperature control accuracy, real-time temperature curve record, convenient for users to see the heating process. The program mode can realize temperature control and vacuum degree multi-stage programming operation to improve the experimental efficiency.
4. Automatic vacuum degree control system, set the vacuum degree, automatically reach the set vacuum degree. Standard with inflatable port, manual and electric double set of exhaust devices.
5. Users can configure the vacuum pump, standard with the vacuum pump oil return

SPECIFICATIONS

Model	BER1K1	BER1K2	BER1K3
Heating Mode	Sheft direct heating		
Function			
--Temp. Range	RT+10-250°C		
-- Useful vacuum Degree range	<133Pa		
--Temp. Resolution Ratio	0.1°C		
--Temp. Motion	±1°C		
--Heating -Up Time	≤40 minutes		
Structure			
--Inner Chamber	SUS304 mirror stainless steel		
--Quter Shell	SUS304 embossed stainless steel, 5083 Corrosion resistant aluminium plate		

--Insulation Layer	Aluminium silicate fibre		
--Heater	Mica electrothermal film		
--Observation Window	Bulletproof tempered glass		
--Vacuum Sensor	Standard pressure sensor, absolute pressure accuracy class 0.25, vacuum touch screen display		
Exhaust device	Manual and electric double exhaust device		
Air intake port	Standard inflation port		
"BLT Vacuum Pump System(BL:without Vacuum Pump)"	Double stage rotary vane vacuum pump 2L/S Vacuum pump air inlet drying filter Vacuum pump exhaust oil mist filter	Double stage rotary vane vacuum pump 4L/S Vacuum pump air inlet drying filter Vacuum pump exhaust oil mist filter	Double stage rotary vane vacuum pump 6L/S Vacuum pump air inlet drying filter Vacuum pump exhaust oil mist filter
-- Nozzle Diameter	10mm		
--Power rating	1.2kW	1.6kW	2.5kW
Controller			
--Temp. Control Mode	7.0~inch LCD color touch screen multi-stage PID program temperature control		
--Temp. Setting Mode	Touch Screen Type		
--Temp. Display Mode	7.0-inch LCD color touch screen		
--Timer	0-39999 minutes/0-9999 hours can adjust		
--Operation Function	Fixed value operation, regular, automatic stop		
--Fixed Value Mode	Control temperature and vacuum at the same time		
--Program mode	Control temperature and control vacuum at the same time, 30 programmable operation		
--Additional Function	Vacuum pump oil return preventer. Real-time temperature curve recording with U disk data storage and export function. Sensor deviation correction, temperature overshoot self-setting, internal parameter locking, power off parameter memo		
--Sensor	PT100		
Safety Device	Over temperature acoustooptic alarm, sensor fault alarm, vacuum over value alarm		
Specification			
--Inner Chamber size(W*L*H)(mm)	415*370*340	450*450*450	550*600*650
--Exterior Size (W*L*H)(mm)	635*565*796	670*645*906	770*795*650
--Packing Size (W*L*H)(mm)	804*705*957	840*785*1562	940*935*1262
--Volume	52L	91L	214.5L
--Max. Shelf Number	2		
--Load Per rack	15kg		
--Shelf Space	140mm	185mm	265mm
--Power Rating (50/60HZ)	AC220V/6.3A	AC220V/9.1A	AC220V/13.1A
--NW/GW (kg)	67/92	82/105	180/210
Accessory			
--Shelf	2		
--Shelf Frame	4		
Optional accessories	Shelf(Independent temperature control),RS485 transfer to USB communication interface,PrintWrl,F control module		
Alt Name	Automatic Precision Vacuum Drying Oven		
Model	BER1K4	BER1K5	BER1K6
Heating Mode	Sheft direct heating		
Function			
--Temp. Range	RT+10-250℃		
-- Useful vacuum Degree range	<133Pa		
--Temp. Resolution Ratio	0.1℃		

--Temp. Motion	$\pm 1^{\circ}\text{C}$		
--Heating -Up Time	≤ 40 minutes		
Structure			
--Inner Chamber	SUS304 mirror stainless steel		
--Quter Shell	SUS304 embossed stainless steel, 5083 Corrosion resistant aluminium plate		
--Insulation Layer	Aluminium silicate fibre		
--Heater	Mica electrothermal film		
--Observation Window	Bulletproof tempered glass		
--Vacuum Sensor	Standard pressure sensor, absolute pressore accuracy class 0.25, vacuum touch screen display		
Exhaust device	Manualand electric double exhaust device		
Air intake port	Standard inflation port		
"BLT Vacuum Pump System(BL:without Vacuum Pump)"	Double stage rotary vane vacuum pump 2L/SVacuum pump air inlet drying filterVacuum pump exhaust oil mist filter	Double stage rotary vane vacuum pump 4L/SVacuum pump air inlet drying filterVacuum pump exhaust oil mist filter	Double stage rotary vane vacuum pump 6L/SVacuum pump air inlet drying filterVacuum pump exhaust oil mist filter
-- Nozzle Diameter	10mm		
--Power rating	1.6kW	2.0kW	2.9kW
Controller			
--Temp. Control Mode	7.0~inch LCD color touch screen multi-stage PID program temperature control		
--Temp. Setting Mode	Touch Screen Type		
--Temp. Display Mode	7.0-inch LCD color touch screen		
--Timer	0-39999 minutes/0-9999 hours can adjust		
--Operation Function	Fixed value operation, regular, automatic stop		
--Fixed Value Mode	Control temperature and vacuum at the same time		
--Program mode	Control temperature and control vacuum at the same time, 30 programmable operation		
--Additional Function	Vacuum pump oil return preventer. Real-time temperature curve recording with U disk data storage and export function. Sensor deviation correction, temperature overshoot self-setting, internal parameter locking, power off parameter memo		
--Sensor	PT100		
Safety Device	Over temperature acoustooptic alarm, sensor fault alarm, vacuum over value alarm		
Specification			
--Inner Chamber size(W*L*H)(mm)	415*370*340	450*450*450	550*600*650
--Exterior Size (W*L*H)(mm)	635*565*1296	670*645*1406	770*795*1606
--Packing Size (W*L*H)(mm)	804*705*1457	840*785*1562	840*935*1762
--Volume	52L	91L	214.5L
--Max. Shelf Number	2		
--Load Per rack	15kg		
--Shelf Space	140mm	185mm	265mm
--Power Rating (50/60HZ)	AC220V/6.3A	AC220V/9.1A	AC220V/13.1A
--NW/Gw (kg)	87/112	102/125	210/240
Accessory			
--Shelf	2		
--Shelf Frame	4		
Optional accessories	Shelf(Independent temperature control),RS485 transfer to USB communication interface,PrinteWrl,FJ control module		
Alt Name	Automatic Precision Vacuum Drying Oven		



FEATURES

1. SUS304 embossed stainless steel housing, SUS304 mirrored stainless steel studio, 5083 corrosion resistant aluminum plate.
2. Independent pluggable shelf heating.
3. Fixed value or program operation mode, true color 7.0-inch touch screen multi-section PID temperature controller, high temperature control accuracy, real-time temperature curve record, convenient for users to see the heating process. The program mode can realize temperature control and vacuum degree multi-stage programming operation to improve the experimental efficiency.
4. Automatic vacuum degree control system, set the vacuum degree, automatically reach the set vacuum degree. Standard with inflatable port, manual and electric double set of exhaust devices.
5. Users can configure the vacuum pump, standard with the vacuum pump oil return device, convenient for customers to use, and avoid the vacuum pump oil return.
6. BLT type standard with vacuum pump, air pipeline equipped with air filter device, improve the service life of vacuum pumps.

APPLICATIONS

It is designed for drying heat-sensitive, easily decomposed and easily oxidized substances. It is widely used in medicine, food, light industry, chemical industry, agricultural scientific research, environmental protection and other experimental fields.

VACUUM OVEN BGI1L1 TO BGI1L4

TWO&THREE CHAMBERS VACUUM OVEN

LCD controller (with timing function)

Vacuum oven is designed especially for drying of material which is thermo-sensitive or decomposes and oxidative easily. It can be filled with inert gases, which is especially for a rapid drying of some compound material.



- Microprocessor controller.
 - Dual layer tempered glass door for clear observation.
 - Minimum heating time 50% less than traditional vacuum oven.
 - Interior chamber made from 304 stainless steel with a mirror polished finish making for easy cleaning.
 - Standard with vacuum pump.
 - Independent audible and visible temperature-limiting alarm system ensures experiments run safely (Option).
 - Each chamber can be heated, vacuumed, and injected with nitrogen independently without interfering with each other.
- Option:
- LED lamp

SPECIFICATIONS

Model	BGI1L1	BGI1L2	BGI1L3	BGI1L4
Electrical Requirement	AC220V 50HZ			
Controller	Controller			

Power Consumption	2200W	3350W	3550W	3100W
Temperature Range	RT+10 ~ 200℃			
Display Resolution	0.1			
Temperature Stability	±1℃			
Vacuum Degree	133Pa			
Ambient Temperature	+5~40℃			
Chamber Volume	90Lx2	125Lx2	216Lx2	140Lx3
Interior Dimension (WxDxH) mm	450x450x450/Chamber	500x500x500/Chamber	600x600x600/Chamber	380x600x620/Chamber
Exterior Dimension (WxDxH) mm	740x810x1470	790x860x1570	880x960x1770	880x980x1910
Shelves	2pcs /Chamber (Independent temp. control)	3pcs /Chamber (Independent temp. control)		2pcs /Chamber (Independent temp. control)
Independent temp. Controller	2 PCS			3 PCS
Chamber Material	304 Stainless steel			
Alt Name	Vacuum Oven (2 chambers)			Vacuum Oven (3 chambers)

FEATURES

- Microprocessor controller.
- Dual layer tempered glass door for clear observation.
- Minimum heating time 50% less than traditional vacuum oven.
- Interior chamber made from 304 stainless steel with a mirror polished finish making for easy cleaning.
- Standard with vacuum pump.
- Independent audible and visible temperature-limiting alarm system ensures experiments run safely (Option).
- Each chamber can be heated, vacuumed, and injected with nitrogen independently without interfering with each other.

Option:

- LED lamp
- Inert gas valve
- Oil mist filter



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