

Oven /Forced Air Oven



Automatic drying function

- Temperature sensors can be selected to monitor the temperature of samples in real time so as to make the temperature more real and reliable.
- Control system linkage to achieve the purpose of automatic drying. (option)



Circulating Fan (BI-F Series)

- Forced convection fan, large impeller fan design, good temperature uniformity. The fan power is multi-stage adjustable to provide the right airflow for you.
- The fan power can be adjusted to improve the operation efficiency of the equipment and the service life of the motor. The service life of the motor can be increased by 30%.



Temperature test hole

- External detection sensor can real-time detect the temperature inside the box through the test hole to ensure the accuracy of the temperature inside the box.



Advanced Color Intelligent Touch Screen Control

- 4.3 Inch Touch screen, intelligent touch control, real-time display of parameters, simple and convenient operation.
- Quick setting of temperature, time and other parameters can be carried out.
- It has the function of program setting. It can be programmed in 7 segments, 63 steps, 9 steps and 1-99 hours and 59 minutes per segment.



Stainless steel inner liner

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



Throttle Regulating Technology (BO-F Series)

- The size of the valve opening can be adjusted arbitrarily according to the actual situation.
- Air valve adjustment can improve the ventilation efficiency of drying box and prevent excessive heat loss and also improve the uniformity of temperature.



Energy saving design

- Comprehensive safety performance design to prevent high energy consumption.
- New synthetic silicon sealing strip is used to prevent heat loss and prolong the life of heating elements. Compared with traditional equipment, thermal power is reduced by 25%.



Professional LCD Controller (L Series)

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



Professional anti-skid and anti-overturning shelf design

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

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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 conversion.
- The height of the shelf is adjustable to meet different cultivation needs.
- Professional stacking foot design, the machine can be stacked, saving lab space and improving the use efficiency (same specification).

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.



Optional Remote Control APP



USB Data recording

B0-F Series B0-F Series - Touch Screen | B0-FL Series - LCD

Model	BO-30F BO-30FL	BO-50F BO-50FL	BO-120F BO-120FL	BO-200F BO-200FL	BO-400F BO-400FL
Volume	35L	59L	115L	234L	400L
Temperature Range	Amb+10°C ~200°C (Max 300°C)				
Temperature resolution	0.1°C				
Uniformity	±2.0°C				
Heating Time (Amb~100°C)	25mins				
Standard/Max Number of shelvings	2 (5)	2 (6)	2 (10)	2 (16)	3 (16)
Max Load per shelf	20KG				
Net Weight	43KG	51KG	83KG	112KG	210KG
Timer Range	1~5999 mins				
Internal Dimension WxDxH(mm)	320x300x320	400x305x415	520x430x530	650x500x650	1000x510x800
External Dimension WxDxH (mm)	610x550x540	690x560x640	810x685x755	940x750x875	1285x750x1060
Power	AC220V,50Hz 900W	AC220V,50Hz 1100W	AC220V,50Hz 2050W	AC220V,50Hz 2500W	AC220V,50Hz 3100W

Oven /Natural Convection

BO-NL Series BO-N Series - Touch Screen | BO-NL Series - LCD

Model	BO-30N BO-30NL	BO-50N BO-50NL	BO-115N BO-115NL	BO-200N BO-200NL
Volume	34L	54L	124L	222L
Temperature Range	Amb+10°C ~200°C (Max 300°C)			
Temperature resolution	0.1°C			
Uniformity at 100°C	±2.5°C			
Heating Time (Amb~100°C)	25mins			
Standard Max number of shelves	2 (5)	2 (6)	2 (10)	2 (16)
Max load per shelf	20KG			
Net Weight	43KG	45KG	74KG	103KG
Timer Range	1~5999 mins			
Internal Dimension WxDxH(mm)	320×300×320	400×330×380	520×450×495	650×500×650
External Dimension WxDxH (mm)	610×520×580	690×468×640	810×590×755	940×658×910
Power	AC220V,50Hz 850W	AC220V,50Hz 1050W	AC220V,50Hz 1950W	AC220V,50Hz 2250W

- The outer dimensions do not include hinges, handles, gauges, wires, etc., and the internal dimensions do not include the duct section.
- All test data are tested in a 25°C environment.
- If the maximum temperature is to reach 300°C , please note in advance before ordering.

Vacuum Oven



Large View Window

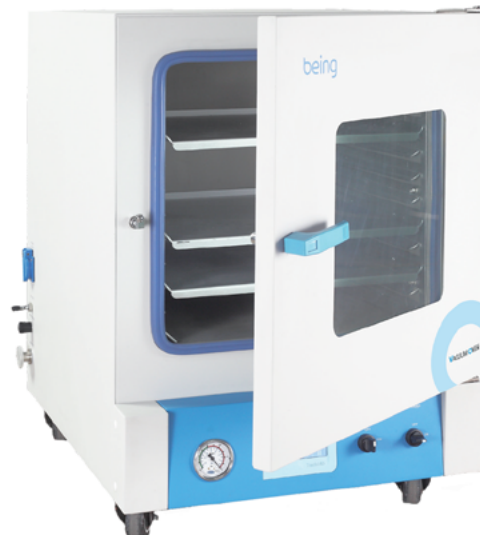
- Large viewing angle window is adopted to make the objects in the working room clear at a glance.
- Tempered and bullet-proof double-layer glass is used in the visible window, which has strong pressure resistance and is safe and reliable.
- The visible window has LED light source to observe the drying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

Special Power Supply for Vacuum Pump

- 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

- With inert gas inlet to meet the needs of special materials Demand for inert gas drying.



Professional LCD Controller (L Series)

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



Intelligent solenoid valve

- Vacuum exhaust pipe adopts solenoid valve automatic control, which is more convenient, labor-saving and safer than mechanical control valve.
- 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.
- The inert gas intake pipeline is controlled by solenoid valve, which is easy to operate and safe



Stainless steel inner liner

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



Advanced Color Intelligent Touch Screen Control

- 4.3 Inch Touch screen, intelligent touch control, real-time display of parameters, simple and convenient operation.
- Quick setting of temperature, time and other parameters can be carried out.
- It has the function of program setting. It can be programmed in 7 segments, 63 steps, 9 steps and 1-99 hours and 59 minutes per segment.



Bundled heating technology

- 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.
- The height of shelf is adjustable, it can be used

Vacuum Oven



Model	BV-20 BV-20L	BV-50 BV-50L	BV-90 BV-90L	BV-120 BV-120L	BV-210 BV-210L
Volume	24L	51L	91L	125L	216L
Temperature Range	Amb+10°C~200°C				
Temperature Accuracy	±1				
Temperature Resolution	0.1°C				
Max Vacuum	99Pa				
Standard Partition Shelving	2				
Max Shelving	3	5	6	10	13
Shelving Capacity	20KG				
Internal Material	304 Stainless Steel				
Internal Dimension	300×300×275	415×370×345	450×450×450	500×500×500	600×600×600
External Dimension	445×505×590	580×594×670	610×721×774	660×824×774	760×874×924
Net Weight	60Kg	95Kg	145Kg	175Kg	245Kg
Inert Gas Inlet	Standard				
Power	AC220V/50Hz 700W	AC220V/50Hz 1400W	AC220V/50Hz 2000W	AC220V/50Hz 2400W	AC220V/50Hz 2800W

BV- series touch screen controller | BV-L series LCD controller

- The outer dimensions do not include hinges, handles, gauges, wires, etc., and the internal dimensions do not include the duct section.
- All test data are tested in a 25°C environment.

Vacuum Pump (Optional Accessory for BV Oven)



Low noise, high efficiency

- Two-stage vacuum pump control technology with lower noise, higher vacuum, higher pumping efficiency, for BV series, the vacuum drying time is around 2-4 mins.

Clean and reliable

- Double anti-return oil structure to more reliably protect the vacuum system from oil pollution after shutdown.
- It adopts imported German oil seal and seals with fluororubber material to improve corrosion resistance and prevent oil leakage.
- Adopting the aviation technology bushing treatment process, the life of the exhaust valve piece reaches 10 billion times.
- It adopts high-quality materials such as vacuum pump oil imported from Japan, which makes the operation more reliable and has a longer service life.

Vacuum Oven Model	Capacity (L)	Vacuum	Vacuum Pump Model	Type	Vacuum Pump Flow Rate	Time required
BV-20	24	133Pa	VRD-8	Two-Stage	2L/S	1 min
BV-50	51	133Pa	VRD-8	Two-Stage	2L/S	1 min
BV-90	91	133Pa	VRD-16	Two-Stage	4L/S	2 min
BV-120	125	133Pa	VRD-16	Two-Stage	4L/S	3 min
BV-210	216	133Pa	VRD-24	Two-Stage	6L/S	4 min