

## Oven / Forced Air Oven

### 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).

### Safty

- **Protection on instruments:** Comply international standard secondary temp limiting alarm system, when the heating is out of control or exceeds the maximum limit temperature, the heating is automatically cut off with sound and light alarm, ensure operating is safe without any accident.
- **Protection on key components:** Key components are equipped with over-current, over-temperature, overload and other safety protection to prevent accident.
- **Protection on samples:** When the temperature inside the box is higher or lower than the set temperature, the alarm will start to cut off the heater, with sound and light alarm to remind the operator to protect the sample from normal test without accident.
- **Protection on operato:** 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.



## Oven / Forced Air Oven

### Technical parameters

Touch Screen	BO-30F	BO-50F	BO-120F	BO-200F	BO-400F
LCD controller	BO-30FL	BO-50FL	BO-120FL	BO-200FL	BO-400FL
Capacity (L)	35L	59L	115L	234L	400L
Temp Range	RT+10°C - 200°C (MAX 300°C)				
Display Resolution	0.1°C				
Uniformity at 100°C	±2.0°C				
Heated to 100°C	25mins				
Standard Max number of shelves	2 (5)	2 (9)	2 (12)	2 (16)	3 (22)
Max load per shelf	20Kg				
NW	43Kg	51Kg	83Kg	112Kg	210Kg
Timing Range	1 - 5999mins				
Interior Dimension W×D×H(mm)	320×350×320	400×360×415	520×485×530	650×555×650	1000×560×800
Exterior Dimension W×D×H(mm)	610×550×540	690×560×640	810×685×755	940×750×875	1285×750×1060
Electrical Requirement	AC220V,50Hz				
Power Consumption	900W	1100W	2050W	2500W	3100W

## Oven / Natural Convection

### Technical parameters

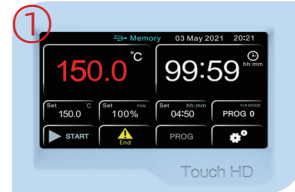
Touch Screen	BO-30N	BO-50N	BO-115N	BO-200N
LCD controller	BO-30NL	BO-50NL	BO-115NL	BO-200NL
Capacity (L)	34L	54L	124L	222L
Temp Range	RT+10°C - 200°C (MAX 300°C)			
Display Resolution	0.1°C			
Uniformity at 100°C	±2.5°C			
Heated to 100°C	25mins			
Standard Max number of shelves	2 (5)	2 (6)	2 (10)	2 (16)
Max load per shelf	20Kg			
NW	43Kg	45Kg	74Kg	103Kg
Timing Range	1 - 5999mins			
Interior Dimension W×D×H(mm)	320×300×360	400×330×415	520×450×530	650×500×685
Exterior Dimension W×D×H(mm)	610×520×580	690×468×640	810×590×755	940×658×910
Electrical Requirement	AC220V,50Hz			
Power Consumption	850W	1050W	1950W	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.

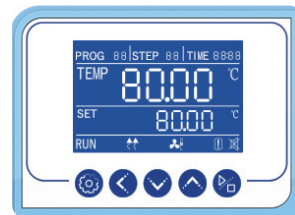
※ If the maximum temperature is to reach 300°C, please note in advance before ordering.

# Vacuum Oven



## 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.



## 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.



## 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 for drying different sizes of articles and materials, and it is easy to operate.



## 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.

⑤

## 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)

⑥

## 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.

⑦

## Inert Gas Intake Valve

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

