



VACUUM OVEN

VACUUM OVEN

With quick heating times and and high precision temperature control, vacuum ovens effectively handle heat and oxygen sensitive materials with unmatched gentleness while drying. Designed to operate with reduced pressures, it ensures quick and effective drying of samples in powder or pellet form.

Used in Biochemical, Pharmaceutical, Healthcare, Agricultural, Environmental protection, disinfection, Sterilization, Drying, Roasting, Laboratory, Research, engineering, Industry,.

Also known as Vacuum Oven, Laboratory Vacuum Oven.

100 VACUUM OVEN



10 segment programmable microcomputer PID intelligent control system

Vacuum degree display: Pointer display

Vacuum degree control: Manual control

Imported environmental protection type insulation materials

SUS304 stainless steel Interior materials

ALLHEATTM: Cavity Warm-up Technology

Imported Temperature and Vacuum Sensor

Optional accessories: Portable printer/ALLSENSTM software, LCD touch screen controller, Programmable multi-stage controller

SPECIFICATIONS

Model	BOVA-101	BOVA-102
Capacity	23 L	50 L
Temperature Range	RT+5~250°C	
Ambient Temperature	10~30°C	
Temperature Fluctuation	±1(10°C~240°C)	
Temperature Resolution	±0.1°C	
Ambient Humidity	<70%	
Timer Range	0~99h or 0~9999min	
Internal Dimension	285Wx258Dx315H mm	375Wx348Dx385H mm
Exterior Dimension	695Wx545Dx480H mm	783Wx635Dx550H mm
Shelves	2	
Weight	33 kg	68 kg
Power	800 W	1200 W
Power Supply	Single phase AC220V/50Hz	



BOVA-101



BOVA-102

200 VACUUM OVEN



- 10 segment programmable microcomputer PID intelligent control system
- Vacuum degree display: Digital display
- Vacuum degree control: Electronic automatic control
- Imported environmental protection type insulation materials
- SUS304 stainless steel Interior materials
- ALLHEAT™: Cavity Warm-up Technology
- Imported Temperature and Vacuum Sensor
- Optional accessories: Portable printer/ALLSENSTM software, LCD touch screen controller, Programmable multi-stage controller

SPECIFICATIONS

Model	BOVA-201	BOVA-202
Capacity	23 L	50 L
Temperature Range	RT+5~250℃	
Ambient Temperature	10~30℃	
Temperature Fluctuation	±1(10℃~240℃)	
Temperature Resolution	±0.1℃	
Ambient Humidity	<70%	
Timer Range	0~99h or 0~9999min	
Internal Dimension	695Wx545Dx480H mm	783Wx635Dx550H mm
Exterior Dimension	285Wx258Dx315H mm	375Wx348Dx385H mm
Shelves	2	
Weight	35 kg	70 kg
Power	850 W	1250 W
Power Supply	Single phase AC220V/50Hz	



BOVA-201



BOVA-202

300 VACUUM OVEN



Microcomputer PID temperature controller with function of timer function
Stainless steel inner chamber with cold rolling steel electrostatic spraying exterior
Double-layer tempered glass anti-bullet door with high permissibility
Over-temperature protection

SPECIFICATIONS

Model	BOVA-301	BOVA-302	BOVA-303
Capacity	24.3 L	52.2 L	84 L
Temperature Range	RT+10-250°C		
Temperature Accuracy	±1°C		
Temperature Uniformity	±2.0°C		
Temperature Resolution	±0.1°C		
Vacuum Degree	< 133 Pa		
Timer Range	1-9999 min		
Internal Dimension	300Wx300Dx270H mm	415Wx370Dx340H mm	450Wx450Dx450H mm
Exterior Dimension	480Wx480Dx605H mm	560Wx540Dx680H mm	640Wx590Dx780H mm
Package Size	610x550x710 mm	720x680x780 mm	780x740x980 mm
Shelves	2		
Weight	42/52 kg	67/92 kg	82/105 kg
Power	800 W	1400 W	2000 W
Power Supply	220V, 60Hz		



BOVA-301



BOVA-302



BOVA-303

5800 VACUUM OVEN



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 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

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

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

RS-232 and USB can be selected one of them

SPECIFICATIONS

Model	BOVA-5801	BOVA-5802	BOVA-5803
Capacity	24 L	51 L	91 L
Temperature Range	RT+10°C - 200°C		
Temperature Accuracy	±1°C		
Display Resolution	0.1°C		
Max degree of vacuum	99 Pa		
Standard Max number of shelves	2 (3)	2 (5)	2 (6)
Max load per shelf	20 Kg		
Interior Material	304 stainless steel		
Internal Dimension	300Wx300Dx275H mm	415Wx370Dx345H mm	450Wx450Dx450H mm
Exterior Dimension	445Wx505Dx590	580Wx594Dx670	610Wx721Dx774
NW	60 Kg	95 Kg	145 Kg
Inert gas air inlet	Standard		
Electrical Requirement	AC 220 V / 50 Hz		
Power Consumption	700 W	1400 W	2000 W

Model	BOVA-5804	BOVA-5805
Capacity	125 L	216 L
Temperature Range	RT+10°C - 200°C	

Temperature Accuracy	$\pm 1^{\circ}\text{C}$	
Display Resolution	0.1 $^{\circ}\text{C}$	
Max degree of vacuum	99 Pa	
Standard Max number of shelves	2 (10)	2 (13)
Max load per shelf	20 Kg	
Interior Material	304 stainless steel	
Internal Dimension	500Wx500Dx500H mm	600Wx600Dx600H mm
Exterior Dimension	660Wx824Dx774	760Wx874Dx924
NW	175 Kg	245 Kg
Inert gas air inlet	Standard	
Electrical Requirement	AC 220 V / 50 Hz	
Power Consumption	2400 W	2800 W



BOVA-5801



BOVA-5802



BOVA-5803



BOVA-5804



BOVA-5805

5900 VACUUM OVEN



With reservation and timing functions, there is no need to wait, which effectively improves the efficiency of the experiment

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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

RS-232 and USB can be selected one of them

SPECIFICATIONS

Model	BOVA-5901	BOVA-5902	BOVA-5903
Capacity	24 L	51 L	91 L
Temperature Range	RT+10°C - 200°C		
Temperature Accuracy	±1°C		
Display Resolution	0.1°C		
Max degree of vacuum	99 Pa		
Standard Max number of shelves	2 (3)	2 (5)	2 (6)
Max load per shelf	20 Kg		
Interior Material	304 stainless steel		
Internal Dimension	300Wx300Dx275H mm	415Wx370Dx345H mm	450Wx450Dx450H mm
Exterior Dimension	445Wx505Dx590	580Wx594Dx670	610Wx721Dx774
NW	60 Kg	95 Kg	145 Kg
Inert gas air inlet	Standard		
Electrical Requirement	AC 220 V / 50 Hz		
Power Consumption	700 W	1400 W	2000 W

Model	BOVA-5904	BOVA-5905
Capacity	125 L	216 L
Temperature Range	RT+10°C - 200°C	

Temperature Accuracy	±1°C	
Display Resolution	0.1°C	
Max degree of vacuum	99 Pa	
Standard Max number of shelves	2 (10)	2 (13)
Max load per shelf	20 Kg	
Interior Material	304 stainless steel	
Internal Dimension	500Wx500Dx500H mm	600Wx600Dx600H mm
Exterior Dimension	660Wx824Dx774	760Wx874Dx924
NW	175 Kg	245 Kg
Inert gas air inlet	Standard	
Electrical Requirement	AC 220 V / 50 Hz	
Power Consumption	2400 W	2800 W



BOVA-5901



BOVA-5902



BOVA-5903



BOVA-5904



BOVA-5905

7200 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 vacuuity

SPECIFICATIONS

Model	BOVA-7201	BOVA-7202	BOVA-7203	BOVA-7204
Capacity	10 L	24 L		
Electrical requirement	AC 220 V 50 HZ			
Controller	LED display			
Power Consumption	400 W	700W		
Temperature range	RT-10 - 200°C			
Display Resolution	0.1			

Temperature Stability	±1°C			
Vacuum Degree	133 Pa			
Ambient Temperature	+5 - 40°C			
Interior Dimension	220Wx210Dx220H mm	300Wx300Dx275H mm		
Exterior Dimension	500Wx375Dx410H mm	605Wx490Dx450H mm		
Shelves	2 pcs	1 pcs	2 pcs	4 pcs
Chamber Material	304 Stainless steel			

Model	BOVA-7205	BOVA-7206	BOVA-7207	BOVA-7208
Capacity	50 L			
Electrical requirement	AC 220 V 50 HZ			
Controller	LED display			
Power Consumption	1450 W			
Temperature range	RT-10 - 200°C			
Display Resolution	0.1			
Temperature Stability	±1°C			
Vacuum Degree	133 Pa			
Ambient Temperature	+5 - 40°C			
Interior Dimension	415Wx370Dx345H mm			
Exterior Dimension	730Wx560Dx550H mm			
Shelves	2 pcs	3 pcs	5 pcs	6 pcs
Chamber Material	304 Stainless steel			

Model	BOVA-7209	BOVA-7210	BOVA-7211	BOVA-7212
Capacity	30 L			90 L
Electrical requirement	AC 220 V 50 HZ			
Controller	LED display			
Power Consumption	550 W	850 W		870 W
Temperature range	RT-10 - 200°C			
Display Resolution	0.1			
Temperature Stability	±1°C			
Vacuum Degree	133 Pa			
Ambient Temperature	+5 - 40°C			
Interior Dimension	320Wx320Dx300H mm			450Wx450Dx450H mm
Exterior Dimension	630Wx510Dx490H mm			740Wx610Dx591H mm
Shelves	1 pcs	2 pcs	4 pcs	2 pcs
Chamber Material	316 Stainless steel			304 Stainless steel

Model	BOVA-7213	BOVA-7214	BOVA-7215	BOVA-7216
Capacity	90 L		125 L	
Electrical requirement	AC 220 V 50 HZ			
Controller	LED display			
Power Consumption	870 W		1500 W	
Temperature range	RT-10 - 200°C			
Display Resolution	0.1			
Temperature Stability	±1°C			
Vacuum Degree	133 Pa			
Ambient Temperature	+5 - 40°C			

Interior Dimension	450Wx450Dx450H mm		500Wx500Dx500H mm	
Exterior Dimension	740Wx610Dx591H mm		790Wx660Dx641H mm	
Shelves	4 pcs	6 pcs	3 pcs	6 pcs
Chamber Material	304 Stainless steel			

Model	BOVA-7217	BOVA-7218	BOVA-7219	BOVA-7220
Capacity	216 L		30 L	50 L
Electrical requirement	AC 220 V 50 HZ			
Controller	LED display			
Power Consumption	1550 W		300 W	650 W
Temperature range	RT-10 - 200°C		RT-10 - 65°C	
Display Resolution	0.1			
Temperature Stability	±1°C			
Vacuum Degree	133 Pa			
Ambient Temperature	+5 - 40°C			
Interior Dimension	600Wx600Dx600H mm		320Wx320Dx300H mm	415Wx370Dx345H mm
Exterior Dimension	890Wx760Dx741H mm		610Wx510Dx490H mm	730Wx560Dx550H mm
Shelves	3 pcs	6 pcs	1 pcs	2 pcs
Chamber Material	304 Stainless steel			

Model	BOVA-7221
Capacity	50 L
Electrical requirement	AC 220 V 50 HZ
Controller	LED display
Power Consumption	650 W
Temperature range	RT-10 - 65°C
Display Resolution	0.1
Temperature Stability	±1°C
Vacuum Degree	133 Pa
Ambient Temperature	+5 - 40°C
Interior Dimension	415Wx370Dx345H mm
Exterior Dimension	730Wx560Dx550H mm
Shelves	5 pcs
Chamber Material	304 Stainless steel

7300 VACUUM OVEN



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	BOVA-7301	BOVA-7302	BOVA-7303	BOVA-7305
Capacity	913 L	431 L	215 L	90 L
Electrical requirement	AC 380 V 50 HZ		AC 220 V 50 HZ	
Controller	LED display			
Power Consumption	5800 W	3800 W	2100 W	1350 W
Temperature range	RT+10 - 200°C			
Display Resolution	0.1			
Temperature Stability	±1°C			
Vacuum Degree	133 Pa			
Ambient Temperature	+5 - 40°C			
Interior Dimension	750Wx1160Dx1050H mm	630Wx810Dx845H mm	560Wx600Dx640H mm	450Wx450Dx450H mm
Exterior Dimension	1400Wx1395Dx2010H mm	1000Wx1040Dx1855H mm	720Wx8200Dx1750H mm	610Wx590Dx1350H mm
Shelves	5 pcs	4 pcs	3 pcs	2 pcs
Chamber Material	304 Stainless steel			



BOVA-7301



BOVA-7302



BOVA-7303



BOVA-7305

7300 VACUUM OVEN



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

SPECIFICATIONS

Model	BOVA-7304	BOVA-7306
Capacity	215 L	90 L

Electrical requirement	AC 220 V 50 HZ	
Controller	LED display	
Power Consumption	2100 W	1350 W
Temperature range	RT+10 - 200°C	
Display Resolution	0.1	
Temperature Stability	±1°C	
Vacuum Degree	133 Pa	
Ambient Temperature	+5 - 40°C	
Interior Dimension	560Wx600Dx640H mm	450Wx450Dx450H mm
Exterior Dimension	720Wx820Dx1750H mm	610Wx590Dx1350H mm
Shelves	6 pcs	4 pcs
Chamber Material	304 Stainless steel	



BOVA-7304



BOVA-7306

7400 VACUUM OVEN



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 step

SPECIFICATIONS

Model	BOVA-7401	BOVA-7402	BOVA-7403
Capacity	913 L	431 L	197 L
Electrical requirement	AC3 80 V 50 HZ		AC 220 V 50 HZ
Controller	LCD Programmability controller		
Power Consumption	5600 W	3800 W	2100 W
Temperature range	RT+10 - 200°C		
Display Resolution	0.1		
Temperature Stability	±1°C		
Vacuum Degree	133 Pa		
Ambient Temperature	+5 - 40°C		

Interior Dimension	750Wx1160Dx1050H mm	630Wx810Dx845H mm	540Wx575Dx635H mm
Exterior Dimension	1400Wx1395Dx2010H mm	790Wx1030Dx1855H mm	720Wx740Dx1530H mm
Shelves	5 pcs	4 pcs	3 pcs
Chamber Material	304 Stainless steel		

Model	BOVA-7404	BOVA-7405	BOVA-7406
Capacity	125 L	63 L	33 L
Electrical requirement	AC 220 V 50 HZ		
Controller	LCD Programmability controller		
Power Consumption	2050 W	1800 W	1200 W
Temperature range	RT+10 - 200°C		
Display Resolution	0.1		
Temperature Stability	±1°C		
Vacuum Degree	133 Pa		
Ambient Temperature	+5 - 40°C		
Interior Dimension	500Wx500Dx500H mm	400Wx400Dx400H mm	320Wx320Dx320H mm
Exterior Dimension	660Wx640Dx1400H mm	600Wx570Dx1390H mm	550Wx490Dx1240H mm
Shelves	3 pcs		
Chamber Material	304 Stainless steel		



BOVA-7401



BOVA-7402



BOVA-7403



BOVA-7404



BOVA-7405



BOVA-7406

7500 VACUUM OVEN



- 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	BOVA-7501	BOVA-7502	BOVA-7503	BOVA-7504
Capacity	913 L	431 L	215 L	125 L
Electrical requirement	AC 380 V 50 HZ		AC 220 50 HZ	
Temperature Range	RT+10 - 200℃			
Display Resolution	0.1℃			
Temperature Stability	±1℃			
Vacuum Gauge	Digital Display			
Vacuum Degree	133 Pa			
Vacuum Sensor	Resistance silicon tube pressure sensor			
Vacuum Control Range	10 - 100000 Pa			
Power Consumption	5600 W	3800 W	2100 W	2050 W
Interior Dimension	750Wx1160Dx1050H mm	630Wx810Dx845H mm	560Wx600Dx640H mm	500Wx500Dx500H mm
Exterior Dimension	1400Wx1395Dxx2010H mm	1000Wx1040Dx1855H mm	720Wx820Dx1750H mm	660Wx640Dx1400H mm
Shelves	5 pcs	4 pcs	3 pcs	
Chamber Material	304 Stainless steel			

Model	BOVA-7505	BOVA-7506	BOVA-7507
Capacity	91 L	64 L	32 L
Electrical requirement	AC 220 50 HZ		
Temperature Range	RT+10 - 200°C		
Display Resolution	0.1°C		
Temperature Stability	±1°C		
Vacuum Gauge	Digital Display		
Vacuum Degree	133 Pa		
Vacuum Sensor	Resistance silicon tube pressure sensor		
Vacuum Control Range	10 - 100000 Pa		
Power Consumption	1350 W	1800 W	1200 W
Interior Dimension	450Wx450Dx450H mm	400Wx400Dx400H mm	320Wx320Dx320H mm
Exterior Dimension	610Wx590Dx1350H mm	600Wx570Dx1390H mm	550Wx490Dx1240H mm

Shelves	2 pcs	3 pcs	2 pcs
Chamber Material	304 Stainless steel		



BOVA-7501



BOVA-7502



BOVA-7503



BOVA-7504



BOVA-7505



BOVA-7506



BOVA-7507



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