

# VACUUM DRYING OVEN



# VACUUM DRYING OVEN

Vacuum ovens are very versatile pieces of equipment with applications in laboratory research, engineering, and industry. The low pressure environment also minimizes oxidation during drying. A rugged, high quality pressure chamber, gasket seals, and pump are features to look for, as well as convenient, programmable controls and a computer interface.

## OVE21 VACUUM DRYING OVEN

- Stainless steel inner chamber without scroll rolled
- Silicone rubber door seal
- Strong sealing
- Nice design



### SPECIFICATIONS

Model	OVE21-25	OVE21-25S	OVE21-50	OVE21-50S
Capacity	25 L		50 L	
Temperature Accuracy	±1°C			
Temperature Fluctuation	±2%			
Vacuum Degree	< 133 Pa			
Timer Range	0-999 min			
Internal Dimension	300Wx300Dx280H mm	300Wx300x280H mm	415Wx350Dx400H mm	
Shelves/Trays	2			
Power	900 W		1400 W	
Power Supply	220 V, 50 Hz			



OVE21-25



OVE21-25S



OVE21-50



OVE21-50S

# OVE22 VACUUM DRYING 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	OVE22-23M	OVE22-50M
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	



OVE22-23M



OVE22-50M

# OVE22 VACUUM DRYING 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
- 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	OVE22-23	OVE22-50
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	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	



OVE22-23



OVE22-50

# OVE062 VACUUM DRYING 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	OVE062-024	OVE062-051	OVE062-091
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	OVE062-125	OVE062-216
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



OVE062-024



OVE062-051



OVE062-091



OVE062-125



OVE062-216

# OVE063 VACUUM DRYING 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	OVE063-024	OVE063-051	OVE063-091
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	OVE063-125	OVE063-216
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



OVE063-024



OVE063-051



OVE063-091



OVE063-125



OVE063-216

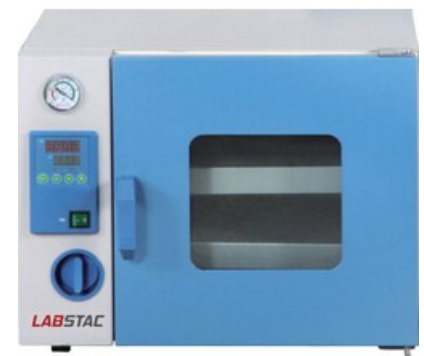
## OVE076 VACUUM DRYING OVEN

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





## SPECIFICATIONS

Model	OVE076-010	OVE076-024A	OVE076-024B	OVE076-024C
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			

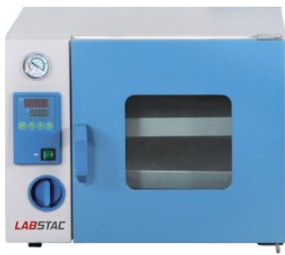
Model	OVE076-050A	OVE076-050B	OVE076-050C	OVE076-050D
Capacity	50 L			
Electrical requirement	AC 220 V 50 HZ			
Controller	LED display			
Power Consumption	1450 W			
Temperature range	RT-10 - 200°C			
Display Resolution	0.1			
Temperature Stability	±1°C			
Vacuum Degree	133 Pa			
Ambient Temperature	+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	OVE076-030A	OVE076-030B	OVE076-030C	OVE076-090A
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	OVE076-090B	OVE076-090C	OVE076-125A	OVE076-125B
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	OVE076-216A	OVE076-216B	OVE076-030D	OVE076-050E
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			

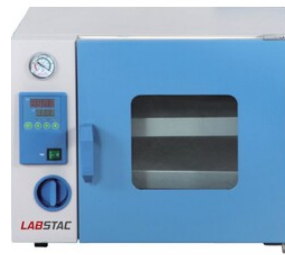
Model	OVE076-050F
Capacity	50 L
Electrical requirement	AC 220 V 50 HZ
Controller	LED display
Power Consumption	650 W
Temperature range	RT-10 - 65°C
Display Resolution	0.1
Temperature Stability	±1°C
Vacuum Degree	133 Pa
Ambient Temperature	+5 - 40°C
Interior Dimension	415Wx370Dx345H mm
Exterior Dimension	730Wx560Dx550H mm
Shelves	5 pcs
Chamber Material	304 Stainless steel



OVE076-010



OVE076-024A



OVE076-024B



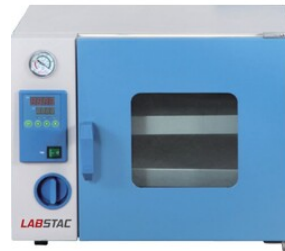
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OVE076-050A



OVE076-050B



OVE076-050C



OVE076-050D



OVE076-030A



OVE076-030B



OVE076-030C



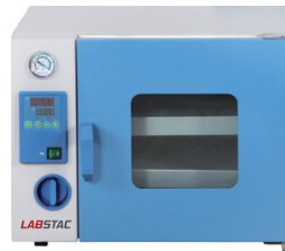
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OVE076-090B



OVE076-090C



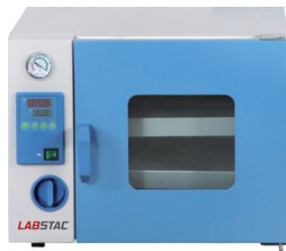
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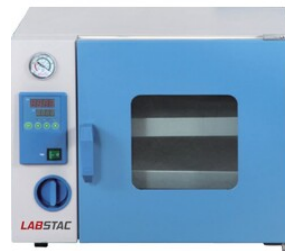
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OVE076-216A



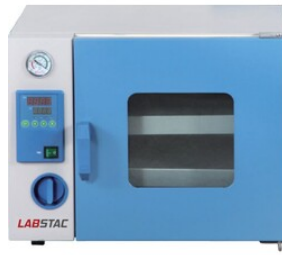
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OVE076-030D



OVE076-050E



OVE076-050F

## OVE077 VACUUM DRYING 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	OVE077-913	OVE077-431	OVE077-215A	OVE077-090A
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			



OVE077-913



OVE077-431



OVE077-215A



OVE077-090A

# OVE077 VACUUM DRYING 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	OVE077-215B	OVE077-090B
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	



OVE077-215B



OVE077-090B

# OVE078 VACUUM DRYING 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	OVE078-913	OVE078-431	OVE078-197
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	OVE078-125	OVE078-063	OVE078-033
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		



OVE078-913



OVE078-431



OVE078-197



OVE078-125



OVE078-063



OVE078-033

## OVE079 VACUUM DRYING 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	OVE079-913	OVE079-430	OVE079-215	OVE079-125
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°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	5600 W	3800 W	2100 W	2050 W
Interior Dimension	750Wx1160Dx1050H mm	630Wx810Dx845H mm	560Wx600Dx640H mm	500Wx500Dx500H mm
Exterior Dimension	1400Wx1395Dx2010H mm	1000Wx1040Dx1855H mm	720Wx820Dx1750H mm	660Wx640Dx1400H mm
Shelves	5 pcs	4 pcs	3 pcs	

Chamber Material	304 Stainless steel
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Model	OVE079-090	OVE079-064	OVE079-032
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		



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