

Automatic Precision Vacuum Drying Oven

(Pluggable shelf heating)

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.

Characteristics:

- SUS304 embossed stainless steel housing, SUS304 mirrored stainless steel studio, 5083 corrosion resistant aluminum plate.
- Independent pluggable shelf heating.
- Fixed value or program operation mode, true color 5.0-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.
- 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 device.
- Users can configure the vacuum pump, standard with the vacuum pump oil return device, convenient for customers to use, avoid the vacuum pump oil return.
- BLT type standard with vacuum pump, air pipeline equipped with air filter device, improve the service life of vacuum pump.



Main Technical Parameters:

Patent No. : ZL 2018 3 0094764.0

Model		VD-2BL	VD-3BL	VD-4BL
		VB-2BLT	VB-3BLT	VB-4BLT
Function	Heating Mode	Sheft direct heating		
	Temp.Range	RT+10~250℃		
	Useful Vacuum Degree Range	<133Pa		
	Temp. Resolution Ratio	0.1℃		
Composition	Temp.motion	± 1℃		
	Heating-Up Time	≤ 40 minutes		
	Inner Chamber	SUS304 mirror stainless steel		
	Outer Shell	SUS304embossed stainless steel, 5083 Corrosion resistant aluminum plate		
Controller	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		
Specification	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/S	Double stage rotary vane vacuum pump 4L/S	Double stage rotary vane vacuum pump 16L/S
	Nozzle Diameter	10mm		
Accessory	Power Rating	BL: 1.2kW	BLT: 1.6kW	BL: 1.6kW
	Temperature Control Mode	7.0-inch LCD color touch screen multi-stage PID program temperature control		
	Temperature Setting Mode	Touch Screen Type		
	Temperature Display Mode	7.0-inch LCD color touch screen		
Optional Accessories	Timer	0~9999 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		
Safety Device	Additional Function	Vacuum pump oil return preventer		
	Temperature Sensor	Real-time temperature curve recording with U disk data storage and export function		
		Sebsor deviation correction, temperature overshoot self-setting, internal parameter locking, power off parameter memory		
		pt100		
Inner (W*L*H) mm		Overtemperature acoustooptic alarm, sensor fault alarm, vacuum overvalue alarm		
		415*370*340	450*450*450	550*600*650
		635*565*796	670*645*906	770*795*650
		(BLT:635*565*1296)	(BLT:670*645*1406)	(BLT:770*795*1606)
Exterior (W*L*H) mm		804*705*957	840*785*1062	940*935*1262
		(BLT:804*705*1457)	(BLT:840*785*1562)	(BLT:840*935*1762)
	Packing (W*L*H) mm	52L	91L	214.5L
	Volume	2	2	2
Number Of Shelf		2	2	2
		2	2	2
		2	2	2
		2	2	2
Load Per Rack		15kg	15kg	15kg
		15kg	15kg	15kg
		15kg	15kg	15kg
		15kg	15kg	15kg
Shelf Space		140mm	185mm	265mm
		140mm	185mm	265mm
		140mm	185mm	265mm
		140mm	185mm	265mm
Current Rating (50/60Hz)		AC220V/6.3A	AC220V/9.1A	AC220V/13.1A
		AC220V/6.3A	AC220V/9.1A	AC220V/13.1A
		AC220V/6.3A	AC220V/9.1A	AC220V/13.1A
		AC220V/6.3A	AC220V/9.1A	AC220V/13.1A
NW/GW kg		BL: 67/92	BLT: 87/112	BL: 82/105
		BL: 67/92	BLT: 87/112	BL: 82/105
		BL: 67/92	BLT: 87/112	BL: 82/105
		BL: 67/92	BLT: 87/112	BL: 82/105
Shelf		102/125	180/210	210/240
		102/125	180/210	210/240
		102/125	180/210	210/240
		102/125	180/210	210/240
Shelf Frame		2	2	2
		2	2	2
		2	2	2
		2	2	2
Optional Accessories		Shelf(Independent temperature control),RS485 transfer to USB communication interface,Printer,WIFI control module		