OPLINE LAB

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 7.0-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.
- H type standard with vacuum pump, air pipeline equipped with air filter device, improve the service life of vacuum pump.

◎Main Technical Parameters:

Model		TLV-52 TLV-52H	TLV-91 TLV-91H	TLV-215 TLV-215H
Heating Mode		Sheft direct heating		
Function	Temp.Range	RT+10-250℃		
	Useful Vacuum Degree Range	<133Pa		
	Temp. Resolution Ratio	0.1℃		
	Temp.motion	±1℃		
	Heating-Up Time	≤40 minutes		
Composition	Inner Chamber	SUS304 mirror stainless steel		
	Outer Shell	SUS304embossed stainless steel, 5083 Corrosion resistant aluminum plate		
	Insulation Layer	Aluminium silicate fibre		
	Heater	Mica electrothermal film		
	Observation Window	Bulletproof tempered glass		
	Vacuum Sensor	Standard pressure sensor, absolute pressore accuracy class 0.25, vacuum touch screen display		
	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 6L/S
		Vacuum pump air inlet drying filter		
		Vacuum pump exhaust oil mist filter		
	Nozzle Diameter	10mm		
	Power Rating	1.2kW H type：1.6kW	1.6kW H type：2.0kW	2.5kW H type：2.9kW
Controller	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		
	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		
	Additional Function	Vacuum pump oil return preventer		
		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		
	Temperature Sensor	pt100		
Safety Device		Over temperature acoustooptic alarm, sensor fault alarm, vacuum over value alarm		
Specification	Inner (W*L*H) mm	415*370*340	450*450*450	550*600*650
	Exterior (W*L*H) mm	635*565*796 (H type:635*565*1296)	670*645*906 (H type:670*645*1406)	770*795*650 (H type:770*795*1606)
	Packing (W*L*H) mm	804*705*957 (H type:804*705*1457)	840*785*1062 (H type:840*785*1562)	940*935*1262 (H type:940*935*1762)
	Volume	52L	91L	214.5L
	Number Of Shelf	2		
	Load Per Rack	15kg		
	Shelf Space	140mm	185mm	265mm
	Current Rating （50/60Hz）	AC220V/6.3A	AC220V/9.1A	AC220V/13.1A
	NW/GW kg	67/92 H type：87/112	82/105 H type：102/125	180/210 H type：210/240
Accessory	Shelf	2		
	Shelf Frame	4		
Optional Accessories		Shelf(Independent temperature control),RS485 transfer to USB communication interface,Printer,WIFI control module		