

Automatic Vacuum Drying Oven

(Ambient +10°C to 250°C)

LABEC Automatic Vacuum

Drying Ovens are available in two sizes with heating up to 250°C. These ovens are designed for drying heat-sensitive, easily decomposed and easily oxidised substances, and are suitable for drying and heating powder articles.

These models feature embossed stainless steel outer, with mirror stainless steel internal chamber.

5.0-inch touch screen controller with programmable PID microprocessor temperature and vacuum control and over-temperature protection make this range the ideal choice for any laboratory.



LA-PVO-52-HS

Product Features:

- > Independent pluggable shelf heating - each shelf temperature controlled separately.
- > Full touch screen controller with fixed or programmable operation for both temperature and vacuum degree.
- > SUS304 embossed stainless steel housing and SUS304 mirror stainless steel interior.
- > Independent temperature limiter and automatic over-temperature shut off.

Serving the Scientific, Medical and Research industries since 1945

LABEC



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SPECIFICATIONS

Automatic Vacuum Drying Oven (Ambient +10°C to 250°C)

Model		LA-PVO-52-HS	LA-PVO-92-HS
		LA-PVO-52-HSP	LA-PVO-92-HSP
Heating Mode		Shelf direct heating	
Function	Temp. Range	RT+10~250°C	
	Vacuum Degree Range	<133Pa	
	Temp. Resolution Ratio	0.1°C	
	Temp. Motion	±1°C	
	Heating-Up Time	≤40 minutes	
Structure	Inner Chamber	SUS304 mirror stainless steel	
	Outer Shell	SUS304 embossed stainless steel	
	Shelf	5083 Corrosion resistant aluminum plate	
	Insulation Layer	Aluminium silicate fibre	
	Heater	Mica electrothermal film	
	Observation Window	Bulletproof tempered glass	
	Vacuum Meter	Absolute pressure accuracy class 0.25	
	Exhaust device	Manualand electric double exhaust device	
	Air intake port	Standard inflation port	
	HSP Vacuum Pump System (HS: without Vacuum Pump)	Double stage rotary vane vacuum pump 2L/S	Double stage rotary vane vacuum pump 4L/S
		Vacuum pump air inlet drying filter	
		Vacuum pump exhaust oil mist filter	
	Nozzle Diameter	10mm	
	Power	HS: 1.2kW HSP: 1.6kW	HS: 1.6kW HSP: 2.0kW
Controller	Temp. Control Mode	5.0-inch LCD colour touch screen multi-stage PID program temperature control, single shelf independent temperature control	
	Temp. Setting Mode	Touch Screen Type	
	Timer	0-9999 minutes / 0-9999 hours (adjustable)	
	Operation Function	Fixed value operation, regular operation, automatic stop	
	Fixed Value Mode	Control temperature and vacuum degree at the same time	
	Program Mode	Control temperature and control vacuum degree at the same time, 30 step programmable operation	
	Additional Function	Vacuum pump oil return preventer	
		Real-time temperature curve recording, with USB data storage and export function	
		Sensor deviation correction, temperature overshoot self-setting, internal parameter locking, power off parameter memory	
	Temp. Sensor	PT100	
Safety Device		Overtemperature alarm, sensor fault alarm, vacuum overvalue alarm	
Specification	Inner Chamber (mm)	w415*d370*h340	w450*d450*h450
	Exterior Size (mm)	w635*d565*h796	w670*d645*h906
		(HSP: w635*d565*h1296)	(HSP: w670*d645*h1406)
	Packing Size (mm)	w804*d705*h957	w840*d785*h1062
		(HSP: w804*d705*h1457)	(HSP: w840*d785*h1562)
	Capacity	52L	91L
	Number of Shelf	2	
	Load per Rack	15kg	
	Shelf Space	140mm	185mm
	Power Supply	AC 240V/10Amp	
Accessory	NW/GW (kg)	HS: 67/92 HSP: 87/112	HS: 82/105 HSP: 102/125
	Shelf	2	
	Shelf Frame	4	
Optional Accessories		Shelf (Independent temperature control), RS485 transfer to USB communication interface, Printer, Remote control, Wireless SMS alarm	



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