

Vacuum Oven, Economical Type



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.

Features

SUS304 embossed stainless steel housing.

SUS304 mirrored stainless steel studio.

5083 corrosion resistant aluminum plate.

Independent pluggable shelf heating, each shelf temperature controlled separately.



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.

Accessories

- 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.

Specifications

Model		VC52RVS	VC590RVS
Specification	Number of Shelf	2	2
	Load per Rack	15kg	15kg
	Shelf Space	140mm	185mm
	Power Supply	AC110/220V±10%, 50/60Hz/6.3A	AC110/220V±10%, 50/60Hz/9.1A
	Consumption	DOV-P:1200W	DOV-P:1600W
		DOV-PV: 1600W	DOV-PV: 2000W
	Internal Size(W*D*H)	415*370*340mm	450*450*450mm
	External Size(W*D*H)	635*565*796mm (PV:635*565*1296)mm	670*645*906mm (PV: 670*645*1406)mm
	Package Size(W*D*H)	804*705*957mm (PV: 804*705*1457)mm	840*785*1062mm (PV: 840*785*1562)mm
	Net/Gross Weight	DOV-P: 67/92kg	DOV-P: 82/105kg
DOV-PV: 87/112kg		DOV-PV: 102/125kg	
Accessory	Shelf	2	
	Shelf Frame	4	
Optional Accessories		Shelf (Independent temperature control) ,RS485 transfer to USB communication interface,Printer,Remote control, wireless SMS alarm	

Model		VC52RVS	VC590RVS
Capacity		52L	91L
Heating Mode		Shelf direct heating	
Function	Temp. Range	RT+10~250 ℃	
	Vacuum Degree Range	<133Pa	
	Temp. Resolution Ratio	0.1℃	
	Temp. Motion	±1℃	
	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	
	PV Vacuum Pump System (P: 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	
Controller	Temp. Control Mode	5.0-inch LCD color 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 (can adjust)	
	Operation Function	Fixed value operation, regular operation, 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	
		Sensor deviation correction, temperature overshoot self-setting, internal parameter locking, power off parameter memory	
	Temp. Sensor	PT100	
Safety device		Overtemperature acoustooptic alarm, sensor fault alarm, vacuum overvalue alarm	