



DRYING OVEN BER1DB2

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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.



1. SUS304 embossed stainless steel housing, SUS304 mirrored stainless steel studio, 5083 corrosion resistant aluminum plate.
2. Independent pluggable shelf heating.
3. 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.
4. 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.
5. Users can configure the vacuum pump, standard with the vacuum pump oil return

SPECIFICATIONS

Model	BER1DB2
Heating Mode	Shelf direct heating
Function	
--Temp. Range	RT+10~250°C
--Useful Vacuum Degree Range	<133Pa
--Temp. Resolution Ratio	0.1°C
--Temp. motion	±1°C
--Heating-Up Time	≤ 40 minutes
Composition	
--Inner Chamber	SUS304 mirror stainless steel
--Outer Shell	SUS304 deembossed stainless steel, 5083 Corrosion resistant aluminum plate
--Insulation Layer	Aluminium silicate fiber
--Heater	Mica electrothermal film
--Observation Window	Bulletproof tempered glass
--Vacuum Sensor	Standard pressure sensor, absolute pressure accuracy class 0.25, vacuum touch screen display
--Exhaust device	Manual and electric double exhaust device
--Air intake port	Standard inflation port
"--BLT Vacuum Pump System (BL: without Vacuum Pump)"	Double stage rotary vane vacuum pump 4L/S
--Nozzle Diameter	10mm
--Power Rating	1.6kW / H type: 2.0kW
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 / 0-999 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 vacuum at the same time, 30 programmable operation
--Additional Function	Real-time temperature curve recording with U disk data storage and export function
--Temperature Sensor	PT100
Safety Device	Over temperature alarm, sensor fault alarm, vacuum over value alarm
Specification	
--Inner (W*L*H) mm	450*450*450 / 670*545*950 (H type: 670*645*1406)
--Exterior (W*L*H) mm	670*670*1050
--Packing (W*L*H) mm	840*785*1062 / H type: 840*785*1562
--Volume	91L
--Number Of Shelf	2
--Load Per Rack	15kg
--Shelf Space	185mm
--Current Rating (50/60Hz)	AC220V/9.1A
--NW/GW kg	86/114 / H type: 102/125
Accessory	
--Shelf	2
--Shelf Frame	4
Optional Accessories	Shelf (Independent temperature control), RS485 transfer to USB communication interface, Printer, WIFI control module
Alt Name	Automatic Precision Vacuum Drying Oven (Pluggable shelf heating)



FEATURES

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2. Independent pluggable shelf heating.
3. 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.
4. 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.
5. 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.
6. H type standard with vacuum pump, air pipeline equipped with air filter device, improve the service life of vacuum pump.



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