



**DVO-90, Vacuum Drying Oven**

**Temp. Range:** RT+10~250°C, **Vac. Degree:** <133PA, **Liter:** 9L, **Designed for heat sensitivity, easy decomposition and oxidation samples.**

**Characteristic:**

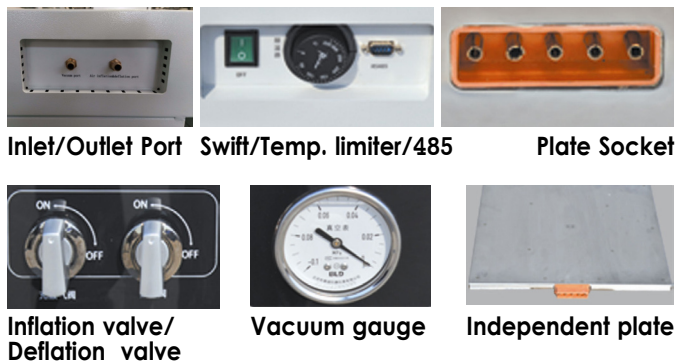
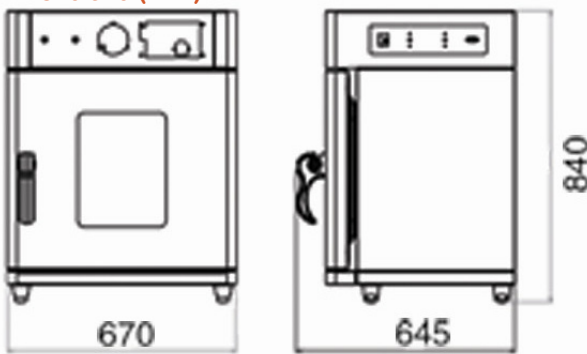
- Independent plate heating, touch-screen PID multi program controller, accurate and stable temperature control, uniformal heating.
- Reinforced glass observation window, easy to observe the situation of experiment. Inflation port is able to inject the inert gas.
- Adjustable door handle and once-shaping silicon rubber sealing ring keep the inner chamber high vacuum state
- Stockage, heating and drying can conducted under the circumstance of the anaerobic state as well as inert gas.
- Heating mode: single plate heating or double plate heating.
- Control mode: data setting type or program setting type.
- Data setting can set warming-up rate, choose start chronography, thermostatic chronography or closing chronography.
- Program operation can set 30 program, each program set 40 steps. and it can apply to the different program according to difference! experimental requirement.
- Temperature, lime, transformation in each step can be set, inserted and deleted, easy to re-set program.
- Stay and Jump button in Program operation main manu can be chosen to stay in this step or jump to next step.
- Users will see the warming-up process by the real time temperature curve record on the screen.
- Built-in intelligent temperature control algorithm makes sure the temperature accuracy without over-temp. Multiple program code protection prevent the change of inner parameter from error operation.
- User can choose the screen often bright, manual screen-off or automatical screen-off. The status indicator will lit.

**Security:** Over-Temperature alarm, manu lock

**Control Panel:**



**Dimensions (mm):**



Model		DVO-90
Standard Configuration		Independent Temperature limiter, 2 pcs plate
Performance	Temperature range	RT+10 ~ 250°C
	Vacuum Degree Range	<133PA
	Temperature Resolution	0.1°C
	Temperature Fluctuation	±1°C
	Warming Up Time	From RT to highest operation temperature ≤40minutes
	Temperature Uniformly	±0.5°C
Structure	Inner chamber Material	Stainless steel
	Outer Shell Material	Spraying cold rollong steel
	Thermal Insulation	Aluminum silicon fiber
	Heating Device	Independent plate heating
	Observation Window	Reinforced glass
	Vacuum Meter	Pointer type
Controller	Temp. Control	5.0inch LCD touch-screen multi-program PID
	Temp. Setting	Touch-screen
	Temp. Display	LCD display
	Timer	Data operation 10000hours, Program operation 99hour/step
	Operation Function	Data operation, timing operation, automatic stop, program operation
	Program Mode	30programs , 40steps
	Additional Function	Deviation calibration, power outage compensation, real time temperature curve record
	Temperature Sensor	PT 100
Safety Device		Self diagnosis, Temp.sensor abnormality. Independent temp. limiter
Specification	Chamber Size (WxDxHmm)	450x450x450
	Shell size (WxDxHmm)	670x645x840
	Packing size (WxDxHmm)	840x785x996
	Working Capacity	91L
	Shelf loading bearing	15kg
	Layer of shelf	2
	Height between shelves	175mm
	Air outlet	φ10mm
	Air inlet	φ10mm
	Net weight/Gross weight	90/115kg
Optional device		485 port, printer, vacuum pump, external communication, remote control, mobile phone control