

Vacuum Drying Oven (Compact)

CE

Benchtop, Versatile

DP23C/33C

Operating temp. range 40°C~240°C

Operating pressure range 101~0.1kPa

Internal capacity 10L DP23C 27L DP33C

Small benchtop vacuum drying oven

Features

- Easy operation with fixed temp., program, quick auto stop, auto stop and auto start functions.
- Designed with specialized function menu key and up/down key to set and submenu key to operate overheat protector, deviation correction and key lock.
- Program operation: 3 segments, 30 steps.

Safety Features

- Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, electric leakage breaker, key lock, etc.
- Resin protection panel installed at the observation window.



10L
DP23C

27L
DP33C

Specifications

Model	DP23C	DP33C
Method	Vacuum drying by decompressed chamber wall direct heating	
Operating temp. range	40°C to 240°C	
Operating pressure range	101~0.1KPa (760~1 Torr)	
Max. temp. reaching time	Approx. 60 min	Approx. 90 min
Temp. control accuracy	±1.5°C(at 240°C)	
Interior/Exterior material	Stainless steel plate / Cold rolled steel plate with chemical proofing coating	
Insulating material	Glass fiber	
Heating method	Decompressed chamber wall direct heating	
Heater power	0.68kW	1.05kW
Observation window	Toughened glass + Resin protection panel	
Vacuum gauge	Pointer type, -100~0KPa	
Temp. control	3 segments PID	
Temp. setting	Use specialized function menu key and UP/DOWN key to set	
Temp. display	Measured temp. display: Green 4-digit LED digital display	
	Setting temp. display: Red 4-digit LED digital display	
Timer	1min-99 hr 59 min and 100 hr-999 hr 50 min (Attached with timing wait function)	
Operation function	Fixed temp. operation, Auto start, Auto stop, Program operation	
Program mode	Program operation 3 segments 30 steps (30 steps×1, 15 steps×2, 10 steps×3)	
Additional functions	Deviation correction, Key lock, Power outage compensation	
Heater circuit control	SSR driving	
Sensor	K thermocouple (Temp. controller and overheat protector)	
Safety device	Self-diagnosis circuit (Abnormal temp. sensing, Heater disconnection, Auto overheat prevention, SSR short circuit), Overheat protector, Overcurrent ELB, key lock	
Internal dimensions (W×D×Hmm)	200×250×200	300×300×300
External dimensions (W×D×Hmm)	400×410×672	510×460×774
Internal capacity	10L	27L
Shelf rest step number / Shelf rest pitch	3 steps (fixed) / 63mm	4 steps (fixed) / 71mm
exhaust port / Vacuum port	O.D.18mm / O.D.18mm	
Power supply (50/60Hz) rated current	AC220V 3.5A	AC220V 5A
Weight	Approx. 43kg	Approx. 69kg
Shelf plate	Stainless punching metal, 2 pcs	
Optional	Stand	ONS10C ONS60C
	Others	Shelf plate, Vacuum pump, Recorder, Indicator lamp (Stand-by / Running / Malfunction), External communication (RS485), Temp. output terminal (4-20mA), Output terminal for alarm device, Time up output terminal