Vacuum Ovens | Vacuum Standard

DP23C/33C/43C/63C/83C/103C

| Automatic Overheating Preventer | Overheating Preventer | Self-diagnostic Function | Key Lock Function | Power Failure Compensation Function | CE Certification |

| DP23C/33C Operating temp. range | RT+20~240℃ |

| DP43C/63C/83C/103C Operating temp. range | RT+20~200℃ |

| Operating vacuum range | 101~0.1KPa |

Vacuum drying ovens designed for various applications of vacuum drying.

Features

● Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
● Digital setting through special function menu keys and up/down keys. 6 modes with a total of 90 segments program controller.
● Overheating protection, deviation correction and key locking through submenu keys.

Safety

● Equipped with self-diagnostic circuit (temperature sensor anomaly, heater disconnection protection, automatic overheating prevention, SSR short-circuit protection), overheating prevention, overcurrent leakage protection, key lock and other safety functions.
● For safety, a protective panel made of resin is installed on the viewing window.

Specifications

	Model	DP23C	DP33C	DP43C	DP63C	DP83C	DP103C
System		Pressure reduction · wall heating					
Performance	Operating temp. range	Room temp. +20~240℃		Room temp. +20~200℃			
	Operating pressure range	101~0.1KPa (760~1Torr)					
	Max. temp. reaching time	Approx. 60 min	Approx. 90 min	Approx. 80 min	Approx. 120 min		
	Temp. fluctuation (GB standard)	±0.5℃ (at 240℃)		±0.5℃ (at 200℃)			
	Temp. adjusting accuracy (JTM standard)	±1.5℃ (at 240℃)		±1.0℃ (at 200℃)			
Composition	Interior material	Stainless steel plate					
	Exterior material	Cold rolled steel plate with chemical proofing coating					
	Insulating material	Glass fiber					
	Heating method	Heating on the external wall					
	Heating power	0.68KW	1.05KW	2.25KW	3.15KW	3.96KW	14.4KW
	Viewing window	Tempered glass + safety protection resin panel					
	Vacuum gauge	Pointer type, -100~0 KPa					
	Vacuum pump installation space (W×D×H mm)	-	-	320×600×540	470×750×540	635×930×540	915×1120×570
Controllers	Temp. control method	3-stage PID					
	Temp. setting method	Digital setting through special function menu keys and up/down keys					
	Temp. display method	Achieved temp. display: Green 4-digit LED digital display					
		Setting temp. display: Red 4-digit LED digital display					
	Timer	1 min~99 h 59 min and 100~999 h 50 min (including timer waiting function)					
	Operation functions	Fixed temp. operation, auto start, auto stop, program operation					
	Program mode	Program operation 6 modes with a total of 90 segments (30 segments×1, 15 segments×2, 10 segments×3)					
	Additional functions	Deviation correction, key lock, power failure compensation					
	Heater circuit control	SSR drive					
	Sensors	K thermocouple (temp. controller and overheating protection)					
Safety device		Self-diagnostic circuit (temperature sensor anomaly, heater disconnection protection, automatic overheating preventer, SSR short-circuit), overheating preventer, overcurrent leakage protection, key lock functions					
Specifications	Internal dimensions (W×D×H mm)	200×250×200	300×300×300	450×450×450	600×600×600	800×800×800	1000×1000×1000
	External dimensions (W×D×H mm)	400×410×682	510×460×782	670×670×1524	820×820×1675	1020×1020×1875	1300×1228×2110
	Internal capacity	10L	27L	91L	216L	512L	1000L
	Shelf layer/spacing	3 layers (fixed)/63mm	4 layers (fixed)/71mm	4 layers (fixed)/105mm	4 layers (fixed)/140mm	4 layers (fixed)/190mm	8 layers (fixed)/120mm
	Exhaust vent	External diameter 18mm		KF25		KF40	
	Air intake	External diameter 18mm		Rc3/8		Rc1/2	
	Power supply (50/60Hz) rated current	AC220V 3.5A	AC220V 5A	AC220V 10.5A	AC220V 14.5A	AC220V 18.5A	AC380V 22A
	Weight	Approx. 43kg	Approx. 69kg	Approx. 190kg	Approx. 290kg	Approx. 450kg	Approx. 1000kg
Accessories		Stainless steel punched mesh plate, 2 pieces					Stainless steel punched mesh plate, 4 pieces
Options	Stand	ONS10C		—			
	Others	Shelves, vacuum pump, N₂ introduction device, data logger, combined warning light (standby/running/fault), external communication function (RS485), temperature output terminal (4~20mA), external alarm output terminal, time-up output terminal, centralized monitoring software					