

Vacuum Drying Oven (Large Capacity)

Floor type

DP810/1030

Auto overheat prevention

Independent overheat protector

Self-diagnosis

Operating temp. range 40°C~200°C

Operating pressure range 100~0.1 kPa

Internal capacity 512L DP810 1,000L DP1030

Key lock

Power outage compensation

Overcurrent ELB

- Decompression drying of large samples available
- Space saving, vacuum pump can be installed inside the oven.
- Interactive key input control panel, temperature display by LED.
- Highly accurate operation functions.

Control Panel



Specifications

Product code	DP810	DP1030
Model	DP810	DP1030
System	Vacuum drying by decompressed chamber direct heating	
Operating temperature range	40 to 200°C	
Operating pressure range*1	100~0.1 kPa (760~1 Torr)	
Temp. adjustment accuracy*1	± 1.0°C (at 200°C)	
Interior material	Stainless steel	
Exterior material	Cold rolled steel plate with baked-on melamine resin finish	
Door	Single swing door	
Heat insulating material	Rock wool	
Heating method	Decompressed chamber direct heating	
Heater	Mica heater, 6.5kW	Mica heater, 14.4kW
Operation functions	Fixed temp., Auto-start, Auto-stop, Quick auto stop, Program (max.99 steps, 99 patterns, repeat)	
Heater circuit control	Triac zero-cross control	
Temp. sensor	K-thermocouple (Double sensor)	
Exhaust port	NW40	
Inlet/Purge port	RC 1/4	RC 3/8
Temp. control method	PID control by microprocessor	
Temp. setting method	Digital setting with UP/DOWN key	
Temp display method	Digital display	
Other display	Temperature indicating the operation state displayed by LED	
Additional functions	Calendar timer (max. 24 Hrs.), Integration time (max. 65535 hrs.), Calibration off-set, Display the amount of power consumption / CO ₂ discharge / Heater operation amount, Power failure recovery mode, User setting information save and recall	
Safety device	Self diagnosis functions(Sensor, Heater, SSR short circuit, Automatic overheating prevention), Independent overheating prevention, Key lock function, Electric leakage breaker	
Internal dimensions	W800×D800×H800mm	W1,000×D1,000×H1,000mm
External dimensions*2	W1,020×D1,019×H1,850mm	W1,300×D1,280×H2,110mm
Internal capacity	512L	1,000L
Power source (50/60Hz)	AC220V Single phase	AC220V / AC380V Three phase
Weight	Approx. 600kg	Approx. 1000 kg
Accessories	Shelf plate	Punched stainless steel, 4 pcs (loading up to 15kg/shelf)
		Punched stainless steel, 2 pcs (loading up to 15kg/shelf)

*1 Conditions: temperature and humidity: 23°C±5°C, 65%RH±20% (no load)

*2 Do not include protrusions