

Vacuum Drying Oven (Compact)

Benchtop, Versatile



DP23C/33C

Operating temp. range	40°C~240°C	Operating pressure range	101~0.1kPa	Internal capacity	10L DP23C	27L DP33C
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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
	Others	ONS60C
	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	

Vacuum Drying Oven (Compact)

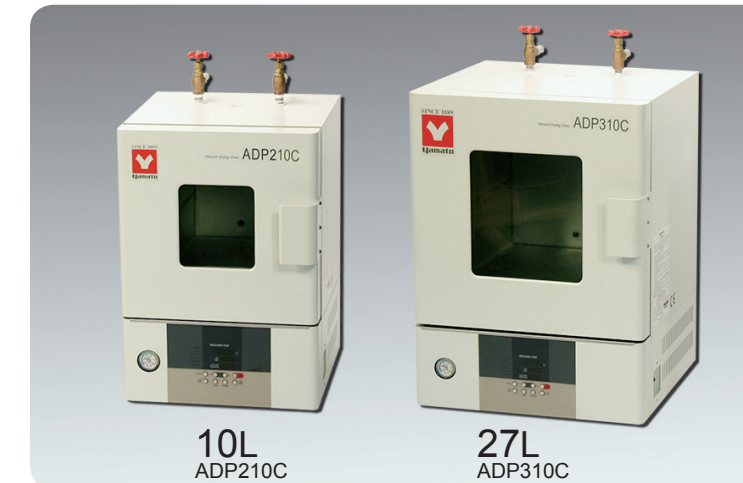
Standard Small Size Benchtop Vacuum Drying Oven



ADP200C/210C/300C/310C

Operating temp. range	40°C~240°C	Operating pressure range	101~0.1kPa	Internal capacity	10L ADP200C/210C	27L ADP300C/310C
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Standard vacuum drying oven with enhanced safety features



10L ADP210C

27L ADP310C

■ Operation and functions

- Easy input of parameters and settings.
- Digital PID controller supports fixed temperature, quick auto-stop, auto stop, auto start and program operations.
- Self-diagnostic and overheating prevention functions.
- Silicon rubber door seal prevents air from leaking.
- Independent over heating prevention device for each circuit.
- Customizable with N₂ gas inlet and communication ports.
- Calibration off-set function.
- Easy maintenance

■ Safety features

- Sensor trouble detection, SSR, short circuit detection, heater disconnecting detection, memory error, over heating and measurement temperature error.

■ Specifications

Model	ADP200C/210C	ADP300C/310C
System	Vacuum drying by decompressed chamber direct heating	
Operating temperature range	40~240°C	
Operating pressure range	101~0.1kPa (760~1 Torr)	
Temp. control accuracy	±1.5°C (at 240°C)	
Max. temp. reaching time	Approx. 70min.	Approx. 100min.
Interior material	Stainless steel	
Temp. control method	PID control by microprocessor	
Sensor	K-thermocouple	
Temp. setting method	Digital setting by ▲/▼ keys	
Temp. display method	Measurement temp.: Digital display by green LED Setting temp.: Digital display by red LED	
Timer	1 min. to 99 Hrs. 59 min. and 100 hrs. to 999 hrs. and 50 min., Digital display	
Heater	Mica heater	Mica heater
Heater power	0.68kW	1.05kW
Heat insulating material	Rock wool	
Observation window	Tempered glass (12 mm thickness) and polycarbonate resin plate	
Vacuum gauge	Bourdon tube type, 0~0.1 MPa (Gauge pressure)	
Safety device	Self diagnostic functions (Heater, Sensor, SSR short circuit, Automatic overheat prevention function), Over current electric leakage breaker, Overheating prevention device	
Internal dimensions	W200×D250×H200mm	W300×D300×H300mm
External dimensions	W400×D412×H603mm	W500×D465×H705mm
Internal capacity	10L	27L
Shelf loading	Approx. 15kg / pcs	
Shelf rest step number	2 steps	3 steps
Shelf rest pitch	65mm	75mm
Vacuum port	O.D. 18mm	
Power source	AC115V, 6A / AC220V 3.5A	AC115V, 9.5A / AC220V, 5A
Weight	~30kg	~55kg
Accessories	Shelf plate (Aluminum perforated metal) 2 pcs.	Shelf plate (Aluminum perforated metal) 3 pcs.

■ Optional items

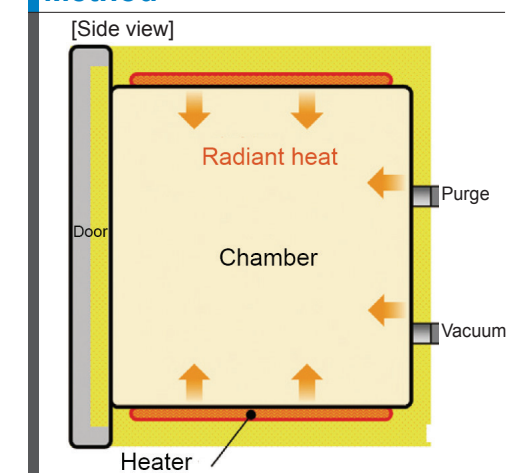
Product name	Product code
Vacuum pump (Rotary vane pump)	
GLD136C 115V 162L/min, 5.7CFM with rubber hose Kit	GLD136C115DPRKIT
GLD136C 220V 162L/min, 5.7CFM with rubber hose Kit	GLD136C220DCRKIT
*N ₂ gas introduction device 30L/min.(factory installed)	281151

* Please specify when ordering main unit.

Control Panel



Method



Dimensions (Unit:mm)

