

Vacuum Ovens | Economical, Benchtop

ADP200C/210C/300C/310C

Automatic Overheating Preventer

Overheating Preventer

Self-diagnostic Function

Key Lock Function

Power Failure Compensation Function

Overcurrent Leakage Circuit Breaker

Operating temp. range 40~240°C

Operating vacuum range -0.1~0MPa

Internal capacity 10L 27L

Vacuum drying oven with enhanced and cost-effectiveness features.

Features

- The door sealing strip is made of silicone in one piece, ensuring sealing performance. Easy operation allows for fixed temp. operation, program operation, rapid auto stop, auto stop, and auto start.
- Digital settings can be achieved through a dedicated operation function menu key and ▼▲ keys. Able to set overheating protection, deviation correction, and key lock.

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 safety and other safety functions.
- For safety, a protective panel made of resin is installed on the viewing window.



Specifications

Model		ADP200C	ADP210C	ADP300C	ADP310C
System		Pressure reduction · wall heating			
Performance	Operating temp. range	40~240°C			
	Operating pressure range	101~0.1KPa (760~1Torr)			
	Max. temp. reaching time	Approx. 70 min		Approx. 100 min	
	Temp. fluctuation (GB standard)	±0.5°C (at 200°C)			
	Temp. adjusting accuracy (JTM standard)	±1.5°C (at 240°C)			
Composition	Interior material	Stainless steel plate			
	Exterior material	Cold rolled steel plate with chemical proofing coating			
	Insulating material	Aluminosilicate cotton			
	Heating method	Heating on the external wall			
	Heating power	0.68kW		1.05kW	
	Viewing window	Tempered glass + safety protection resin panel			
	Vacuum gauge	Pointer type, -0.1~0MPa			
Controllers	Temp. control method	PID control			
	Temp. setting method	Digital setting via function menu key and ▲ ▼ 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, quick auto stop, auto stop, program operation			
	Additional functions	Deviation correction, key lock, power failure compensation			
	Heater circuit control	SSR drive			
Sensors	K-type thermocouple (temperature regulator and overheat protector)				
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	200×250×200		300×300×300	
	External dimensions (W×D×H mm)	400×412×603		500×465×705	
	Internal capacity	10L		27L	
	Shelf layers	2 layers (fixed)		3 layers (fixed)	
	Shelf spacing	65mm		75mm	
	Exhaust vent	External diameter 18mm			
	Air intake	External diameter 18mm			
	Power supply (50/60Hz) rated current	AC115V 6A	AC220V 3.5A	AC115V 9.5A	AC220V 5A
	Weight	Approx. 30kg		Approx. 55kg	
	Accessories	Aluminum stamped mesh plate, 2 pieces		Aluminum stamped mesh plate, 3 pieces	
Options	Stand (ONS10C), shelves, vacuum pump, micro printer, data logger, centralized monitoring software				

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