Vacuum Drying Oven
Standard Small Size Benchtop Vacuum Drying Oven

ADP200C/210C/300C/310C

Operating temp. range	40~240°C	Operating pressure range	101~0.1kPa	Internal capacity	10L(ADP200C/210C) 27L(ADP300C/310C)

Standard vacuum drying oven with enhanced safety features

■ 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 N_2 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

10L
ADP200C

27L
ADP300C

■ 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	~70min.	~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	
	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 x D250 x H200mm	W300 x D300 x H300mm
External dimensions	W400 x D412 x H603mm	W500 x D465 x H705mm
Internal capacity	10L	27L
Shelf loading	~15kg / pcs	
Shelf rest step number	2 steps	3 steps
Shelf rest pitch	65mm	75mm
Vacuum port	O.D.18mm	
Power source	AC115V 6A *with plug* AC220V 3.5A *no plug, round terminal*	AC115V 9.5A *with plug* AC220V 5A *no plug, round terminal*
Weight	~30kg	~55kg
Included accessories	Shelf plate (aluminum perforated metal) 2 pcs.	Shelf plate (aluminum perforated metal) 3 pcs.

■ Optional Items

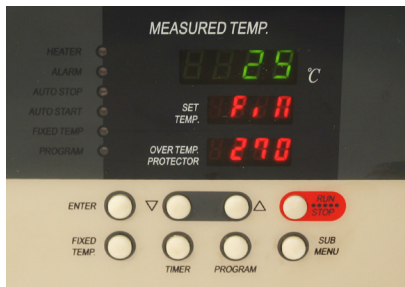| Description	Product code
Shelf	
ADP200C/210C	297071
ADP300C/310C	297072
N$_2$ gas introduction device 30L/min. (factory installed)	Contact Customer Service

* Please specify when ordering main unit.

■ Recommended Pumps

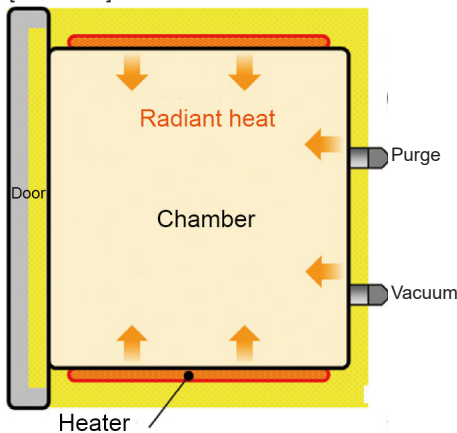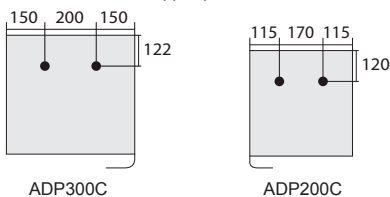| Description	Product code
Oil pump	
GLD137CC 115V 162L/min, 5.7CFM with Rubber Hose Kit	GLD137CC115DPRKIT
GLD137CC 220V 162L/min, 5.7CFM with Rubber Hose Kit	GLD137CC220DPRKIT
Dry vacuum pump	
ADP NEODRY15G1 100-240V DRY VACUUM PUMP KIT	NEOADPCKITA

Internal view of ADP

Control Panel

Method

[Side view]

Radiant heat

Door

Chamber

Purge

Vacuum

Heater

Dimensions (Unit:mm)

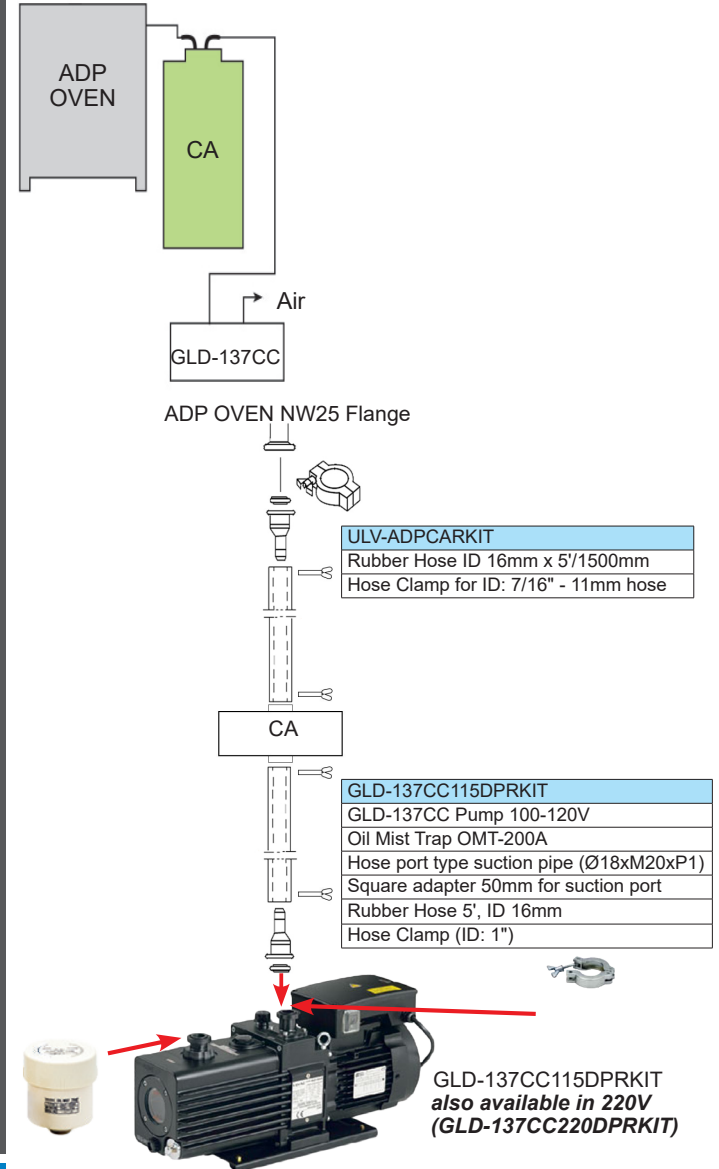Upper part

150 | 200 | 150
122

ADP300C

115 | 170 | 115
120

ADP200C

⚠ Attention
- Never use in flammable or explosive gas atmosphere
- Never use explosive or flammable material
- Caution: High temperature components

Sample Installation with Cold Trap

Use with CA Series

ADP OVEN

CA

Air

GLD-137CC

ADP OVEN NW25 Flange

ULV-ADPCARKIT	
Rubber Hose ID 16mm x 5'/1500mm	
Hose Clamp for ID: 7/16" - 11mm hose	

CA

GLD-137CC115DPRKIT
GLD-137CC Pump 100-120V
Oil Mist Trap OMT-200A
Hose port type suction pipe (Ø18xM20xP1)
Square adapter 50mm for suction port
Rubber Hose 5', ID 16mm
Hose Clamp (ID: 1")

GLD-137CC115DPRKIT
also available in 220V
(GLD-137CC220DPRKIT)

GLD-137CC for ADP Series

Gas ballast valve | Suction pipe | Oil inlet plug
Oil level gauge
Exhaust pipe
Drain plug
Rubber legs