

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)

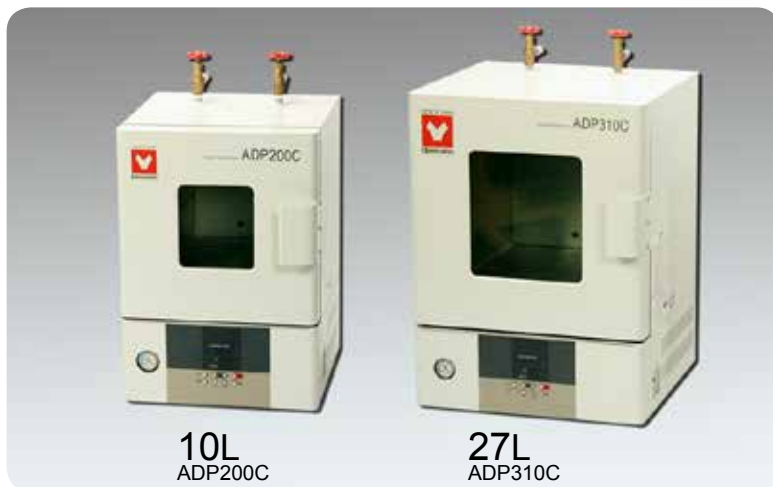
Standard vacuum drying oven with enhanced safety features

■ Operation and functions

- Easy input of parameters and settings
- Digital PID controller supports fixed temperature, quick auto-stop, auto 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



10L
ADP200C

27L
ADP310C

■ 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 / AC220V 3.5A | AC115V, 9.5A / AC220V, 5A |
| 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 |
| Vacuum pump (Rotary vane pump) | |
| GLD137CC 115V 162L/min, 5.7CFM with Rubber Hose Kit | GLD137CC115DPRKIT |
| GLD137CC 220V 162L/min, 5.7CFM with Rubber Hose Kit | GLD137CC220DPRKIT |
| *N ₂ gas introduction device 30L/min.(factory installed) | Contact Customer Service |

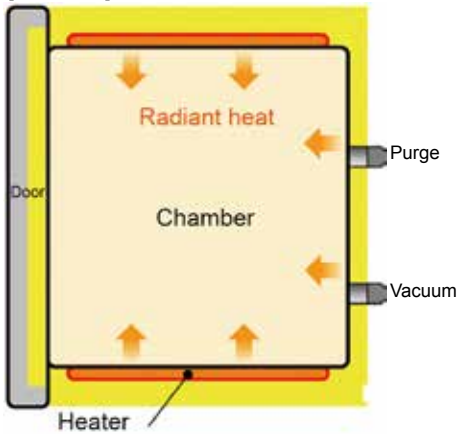
* Please specify when ordering main unit.

Control Panel



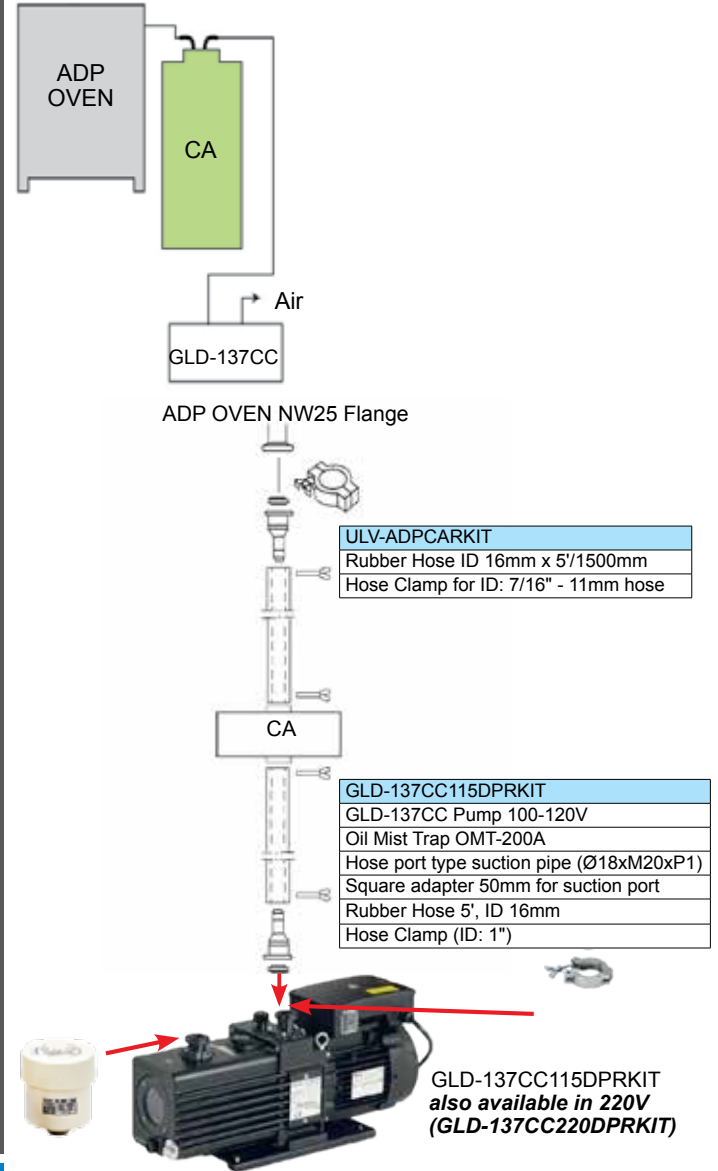
Method

[Side view]



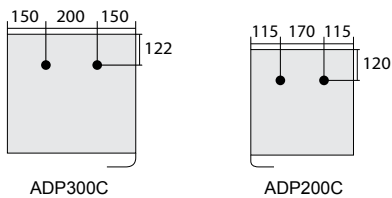
Sample Installation with Cold Trap

Use with CA Series



Dimensions (Unit:mm)

Upper part



⚠ Attention

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

GLD-137CC for ADP Series

