

# Floor Type Vacuum Drying Oven

Large Capacity Vacuum Drying Oven

**DP43C/63C**

Operating temp. range

40~200°C

Operating pressure range

101~0.1kPa

Internal capacity

91L(DP43C)  
216L(DP63C)

## Large capacity multi-purpose vacuum oven



91L  
DP43C

216L  
DP63C

### Operation and functions

- Interactive key input of the control panel for easy operation
- Equipped with high precision functions such as fixed temperature, quick auto stop, auto stop, auto start and program operations for enhanced performance
- Vacuum reaching time significantly reduced by improvement of the exhaust system, resulting in more efficient operation
- Vacuum pump can be stored in the bottom cabinet, which is suitable for space limited laboratories
- Easy removal of piping and maintenance of vacuum pump
- Calibration off-set function

### Safety features

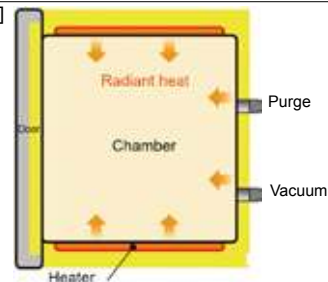
- Enhanced safety features: sensor trouble detection, SSR short circuit detection, heater disconnection detector(sensor), memory error, internal communication error, overheating and measurement temperature error
- Large observation window with protective cover for increased safety

### Specifications

Model	DP43C	DP63C
System	Vacuum drying by decompressed chamber direct heating	
Operating temp. range	40°C to 200°C	
Operating pressure range	101 to 0.1 kPa (760 to 1 Torr)	
Temp. control accuracy	±1.0°C (at 200°C)	
Max. temp. reaching time	~80 min.	~120 min.
Interior material	Stainless steel	
Exterior material	Cold rolled steel plate with baked-on melamine resin finish	
Door	Single swing door	
Heat insulating material	Glass wool	
Heater	Mica heater, 2.25 kW	Mica heater, 3.15 kW
Vacuum gauge	Bourdon tube type, 0 ~ -0.1 MPa (Gauge pressure)	
Observation window	Tempered glass and polycarbonate resin plate	
Temp. control method	PID control by microprocessor	
Temp. setting method	Digital setting with ▲/▼ keys	
Temp. display method	Green LED digital display	
Timer	1 min. to 99 Hrs. 59 min. and 100 Hrs. to 999 Hrs. and 50 min.	
Min. division	1 min. or 10 mins.	
Operation function	Fixed temperature operation, Quick auto stop, Auto-start operation, Auto-stop operation, Program operation (16 segments)	
Additional functions	Calendar timer (max. 24 Hrs.), Integration time (max. 49999 Hrs.), Time display	
Heater circuit control	Triac zero-cross control	
Temp. sensor	K-thermocouple (double sensor)	
Safety device	Self diagnostic functions (Sensor, Heater, Triac, Automatic overheating prevention), Independent overheating prevention, Key lock function, Electric leakage breaker	
Internal dimensions (WxDxH)	450×450×450 mm	600×600×600 mm
External dimensions (WxDxH)	670×669×1500 mm	820×819×1650 mm
Internal capacity	91L	216L
Shelf Support Qty. / Pitch	4 steps / 105mm	4 steps / 140mm
Exhaust port / Purge port	NW25 flange / Rc 1/4 (18mm O.D.)	
Power source	220V, single phase, 11A	220V, single phase, 15A
Weight	~190kg	~290kg
Shelf	2 perforated stainless steel shelves	

### Method

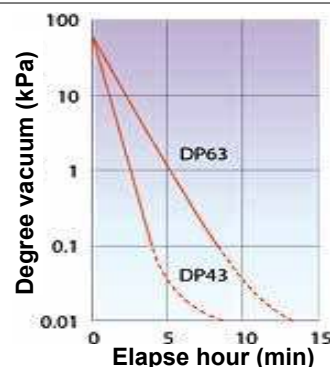
[Side view]



### Control Panel



### Pressure Falling Curve

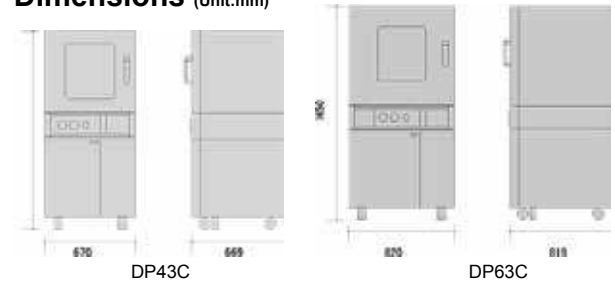


## Optional Items

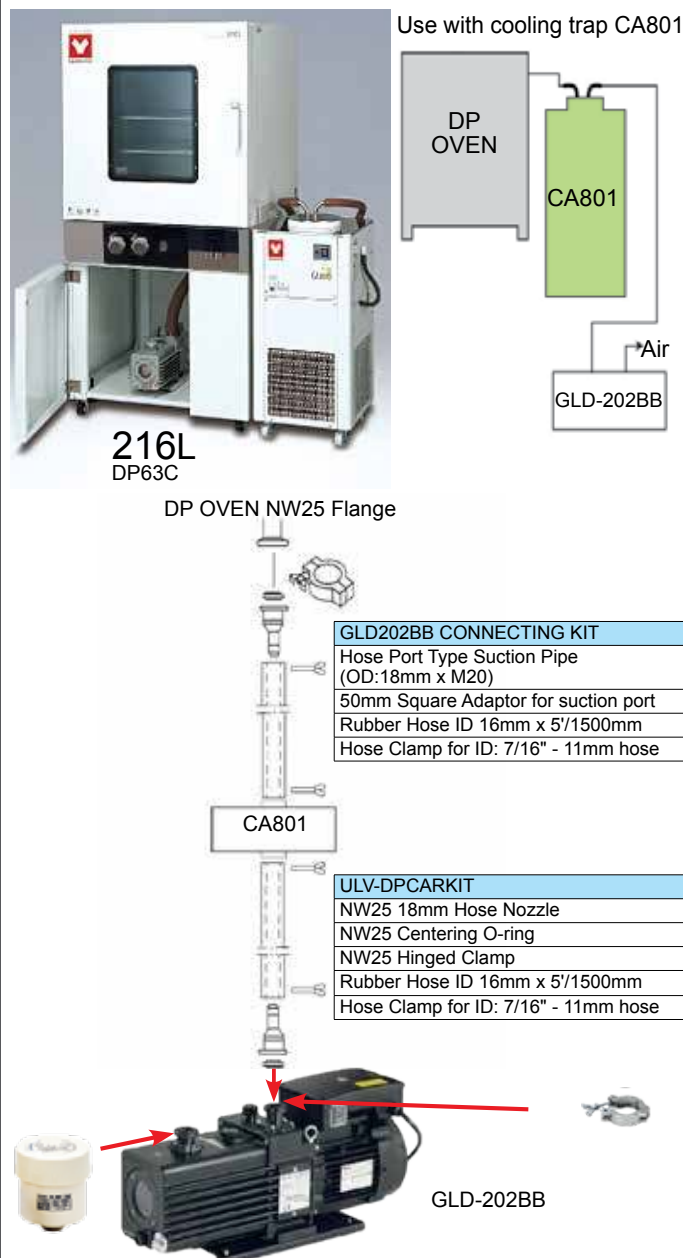
Description	Product Code
DP43C shelf	212192
DP63C shelf	212193
Temperature output terminal	281609
*N <sub>2</sub> Gas Introduction Device 30L/min. (Factory Installed)	281151
*Vacuum Pump Switch (For DP43C/63C) (Factory Installed)	281152
Oil-sealed rotary vacuum pump	
GLD202BB with rubber hose kit 115V	GLD202BB115DPRKIT
GLD202BB with SUS hose kit 115V	GLD202BB115DPSKIT
GLD202BB with rubber hose kit 220V	GLD202BB220DPRKIT
GLD202BB with SUS hose kit 220V	GLD202BB220DPSKIT

\* Please specify when ordering main unit.

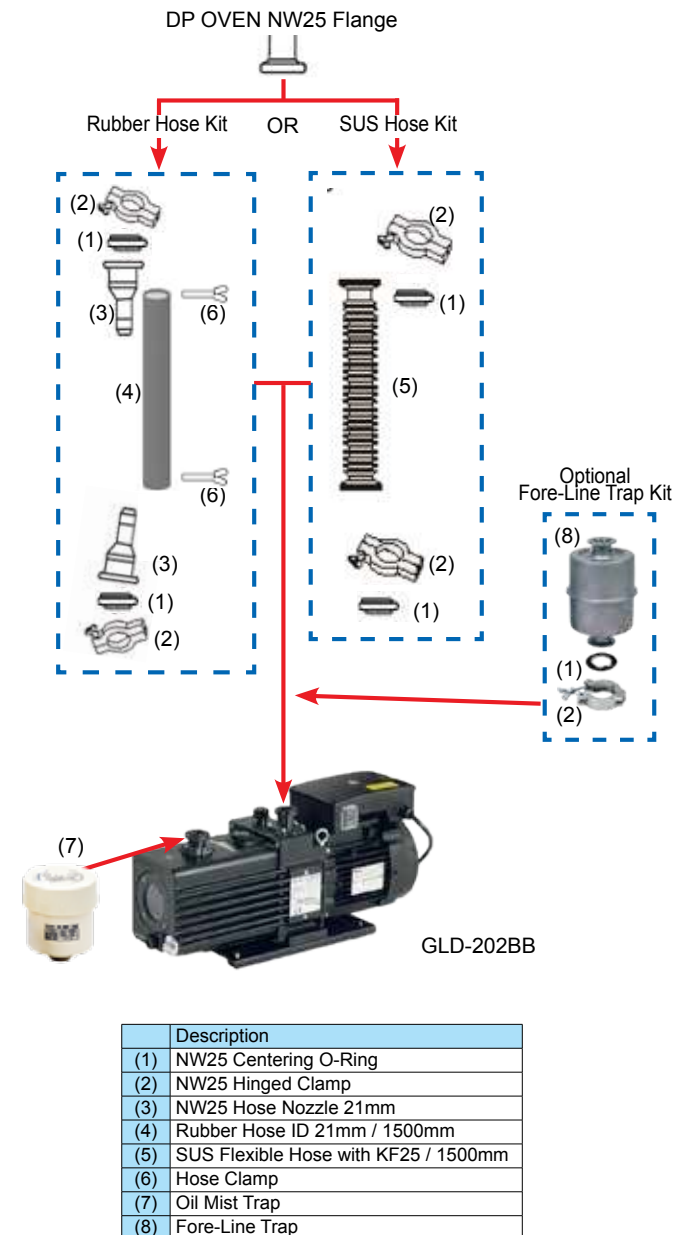
## Dimensions (Unit:mm)



## Sample Installation with CA801



## Rubber Hose or Stainless Steel Hose Connection for Vacuum Pump



### ⚠ Attention

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