

Vacuum Drying Oven: (DP 410 & DP 610)

This range of vacuum drying ovens are recommended for treatment on a large scale, designed for various purposes.

A vacuum pump can be stored in the holder. As the input system of the control panel is digital, anyone can input easily.

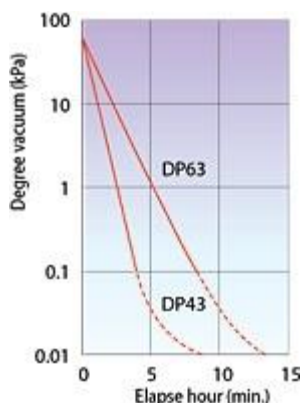
- Equipped with an interactive key input device and graphic monitor.
- Equipped with various operational functions, including program operation, and some other add-on functions.
- Safety measures are enriched, including self-diagnosis function and independent superheating prevention device.



Model	
DP 410	DP 610
Operating Temperature Range	
Room temp.+5°C to 200 °C	
Operating Pressure Range	
101 to 0.1KPa	
Temp. Control Accuracy	
±1.0°C (at 200°C)	
Internal Capacity (L)	
91	216



Control Panel



Pressure Falling Character
 DP 410 = DP43
 DP 610 = DP63



Oven with Cold Trap and Vacuum Pump

Specifications

DP 410		DP 610
Performance		
System	Vacuum drying by decompressed chamber direct heating	
Operating temperature range	Room temp.+5 to 200°C	
Operating pressure range	101 to 0.1 kPa (760 to 1 Torr) at absolute pressure	
Temp. control accuracy	±1.0°C (at 200°C)	
Max. temp. reaching time	Approx. 80 min. (no load, no vacuum)	Approx. 120 min. (no load, no vacuum)
Components		
Interior material	Stainless steel SUS 304	
Exterior material	Cold rolled steel plate with baked-on melamine resin finish	
Door	Single swing door	
Heat insulating material	Rock wool	
Heating method	Decompressed chamber direct heating	
Heater	Mica heater, 2.25 kW	Mica heater, 3.15 kW
Vacuum gauge	Bourdon tube type, 0 to -0.1 MPa (Gauge pressure)	
Observation window	Tempered glass and polycarbonate resin plate	
Controller		
Temp. control method	PID control by microprocessor	
Temp. setting method	Digital setting with UP/DOWN key	
Temp display method	Digital display by green LED	
Timer	1 min. to 99 Hrs. 59 min. and 100 Hrs. to 999 Hrs.	
Min. division	1 min. or 1 Hrs.	
Operation function	Fixed temperature operation, 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)	
Safe Device		
Safety countermeasures	Self diagnosis functions (Sensor, Heater, Triac, Automatic overheating prevention), Independent overheating prevention, Key lock function, Electric leakage breaker	
Standard		
Internal dimensions (WxDxHmm)	450×450×450	600×600×600
External dimensions (WxDxHmm)	670×669×1,500	820×819×1,650
Internal capacity	91 L	216 L
Shelf rest step number	4 steps	
Shelf rest pitch	105mm	140mm
Exhaust port / Purge	NW25 flange / Rc 1/4 (18mm O.D.)	

port		
Power source 50/60Hz	200V/220V, single phase, 12A/10.9A	220V, single phase, 14.3A
Weight	Approx. 190 kg	Approx. 290 kg
Included Accessories		
Shelf	2 punched stainless steel shelves	
Optional Accessories		
Additional shelf plate / Vacuum pump switch / N2 gas inlet port / Temp. output terminal / Vacuum pump		

- The performance shown here is the value under the condition of the ambient temperature of 23°C±5°C, humidity of 65%RH±20%.
- The projection is not included for internal dimensions and External dimensions.