

Industrial & Laboratory Vacuum Drying Oven DP610P



Vacuum pump linkage automatic sequence type which release the manual operation of a vacuum pump and a leak valve.

Don't have to worry about the incorrect operation, reverse flow of vacuum pump oil when power off.

Operating Temperature Range
+40 to 200 deg.C
Internal Capacity
216L

- Automatic sequence operation of vacuum pump linkage is possible.
- Saving space, high quality controller, individual overheating prevention and many others function.
- Prevent the reverse flow of vacuum pump oil when power off.
- There is no exhaust loss because of 1 inch solenoid vacuum valve.
- Automatic/manual switch is set up.

■ Specifications

Model	DP610P
Performance	
System	Vacuum drying by decompressed chamber direct heating
Operating temperature range	+40 to 200 deg.C
Operating pressure range	101 to 0.1 kPa (760 to 1 Torr) at absolute pressure
Temp. adjustment accuracy	±1deg.C (at 200 deg.C)
Temp. Fluctuation	±1.5deg.C (at 200 deg.C)
Max. temp. reaching time	Approx. 100 min.
Components	
Interior material	Stainless steel
Exterior material	Cold rolled steel plate with baked-on melamine resin finish
Heating method	Decompressed chamber direct heating
Heater	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
Operation function	Fixed temperature operation, Auto-start operation, Auto-stop operation, program operation (99 steps, 99 patterns repeat operation)
Additional functions	Calendar timer (max. 24 Hrs.), Integration time (max 65535 Hrs.), Time display, calibration offset, power discharge, CO2 discharge, heater consumption display, power failure stagnation mode, user configuration information
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 (W×D×Hmm)	600×600×600mm
External dimensions (W×D×Hmm)	820×819×1650mm
Internal capacity	216 liters
Shelf rest step number	4 steps
Shelf rest pitch	140mm
Exhaust port / Purge port	NW25 flange / Rc 1/4
Power source 50/60Hz	Single phase AC200V 17A
Weight	Approx. 310 kg
Accessories	
Shelf plate	Punched stainless steel, 2 pcs

*The performance shown here is the value under the condition of the ambient temperature of 23deg.C±5deg.C, humidity of 65%RH±20%.

*The projection is not included for Internal dimensions and External dimensions.

■ Control panel

