

High precision vacuum ovens DP43HPC / DP63HPC (customized) with individual temperature control of the shelf

A vacuum drying oven that separately controls temperature of the shelf with a heater.

- Temperature uniformity has been improved to 210°C ±4°C.
- Since the vacuum pump can be stored in the unit, space can be effectively utilized.
- The unit employs a highly reliable and easily connectable quick coupling system.
- Fluorocarbon rubber door packing is equipped.
- Easy removal of pipes allows easy maintenance of the vacuum pump.
- Interactive key entry on the control panel allowing ease in setting. The temperature in the unit during operation is displayed with a bright LED.
- Standard functions include program operation and other high precision functions.



Improved safety functions include self diagnostic function, automatic overheat prevention function, and key lock function.

Technical Specification:

Parameters	DP43HPC	DP63HPC
System	Pressure reduction and shelf heater	
Operating temp. range	Room temp. + 5 to 210 °C	
Temp. Fluctuation	±1.5 °C (at 200°C)	
Volume	91 liters	216 liters
Operating pressure range	101 to 0.1 kPa	
Internal/external material	SUS304 cold rolled steel plate Melamine resin finishing	
Door	Single swing type (left)	
Door packing	Viton packing	
Heat insulator	Rock wool	
Heating system	Decompressed chamber direct heating and shelf heating	
Operation function	Fixed operation, auto start operation, auto stop operation, program operation (up to 16 segments)	
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	0 min. to 99 Hrs. 59 min. and 100 Hrs. to 999 Hrs.	
Min. division	1 min. or 1 Hrs.	
Heater circuit control	Separate control of the shelf: Triac zero cross system	
Temp. sensor	K-thermocouple (double sensor)	
Other additional functions	Temperature recorder, Pirani gauge, signal tower, large buzzer, heat treatment timer	
Safety functions	Self diagnostic function (temp. sensor error, heater disconnection, SSR short-circuit, automatic overheat prevention), key lock, independent overheat prevention, over current electric leakage breaker	
Internal dimensions	450×450×450	600 x 600 x 600 mm (W/D/H)
External dimensions	870×669×1500	1,020 x 820 x 1,650 mm (W/D/H)
Power supply	1-phase AC 220V, 50/60 Hz, 37A	
Shelf specifications	Pipe heater 0.9 kW x 8 steps, 7.2 kW	Pipe heater 0.9 kW x 8 steps, 7.2 kW

- 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.