

Laboratory Vacuum Drying Ovens

ADP200/300

Model	
200	300
Operating Temperature Range	
+40deg.C to 240deg.C	
Operating Pressure Range	
101 to 0.1KPa	
Temp. Distribution Accuracy	
±1.5deg.C (at240deg.C)	
Internal Capacity	
10 L	27 L

Compact type of high-performance.

This is a small-sized vacuum drying oven designed for various purposes. The oven can be put on and off in temperature automatically. As the input system of the control panel is dialogical, anyone can input easily.

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

Control Panel



ADP300/200

Note : Right door opening is optional

Specifications

	ADP200	ADP300
■ Performance		
System	Vacuum drying by decompressed chamber direct heating	
Operating temperature range	40 to 240deg.C	
Operating pressure range	101 to 0.1 kPa (760 to 1 Torr) at absolute pressure	
Temp. control accuracy	±1.5deg.C (at 240deg.C)	
Temp fluctuation	±X deg.C (at 240deg.C)	
Temp. distribution accuracy	±10deg.C (at 240deg.C)	
Max. temp. reaching time	Approx. 70 min.	Approx. 100 min.
■ Components		
Interior Material	Stainless steel	
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, 0.68kW	Mica heater, 1.05kW
Vacuum gauge	Bourdon tube type, 0 to -0.1 MPa (Gauge pressure)	
Observation window	Tempered glass (12 mm thickness) and polycarbonate resin plate	
■ Controller		
Temp. control method	PID control by microprocessor	
Temp. setting method	Digital setting with ▲▼key	
Temp display method	Digital display	
Timer	1 min. to 99 Hrs. 59 min. and 100 Hrs. to 999.5 Hrs. Digital display	
Min. division	1 min. or 1 Hrs.	
Operation function	Fixed temperature operation, Auto-start operation, Auto-stop operation	
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 (W×D×Hmm)	200×250×200	300×300×300
External dimensions(W×D×Hmm)	400×411×565	500×463×669
Internal capacity	10 liters	27 liters
Shelf loading	Approx. 15kg / each	
Shelf rest step number	2 steps	3 steps
Shelf rest pitch	63mm	71mm
Vacuum port	18mm O.D.	
Power source 50/60Hz	AC100V 6.8A(15A)	AC100V 10.5A(15A)
Weight	Approx. 30 kg	Approx. 55 kg
■ Accessories		
Shelf plate	Punched stainless steel, 2 pcs	
■ Optional Accessories		
Additional shelf plate / Temp. output terminal / Temp. program function / Adaptor for vacuum hose / Vacuum hose etc.		

- 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.

Dimensions (Unit:mm)