

## Laboratory Vacuum Drying Ovens ADP200/300



ADP300/200

Note : Right door opening is optional

- Easy input of parameters and settings.
- Digital PID controller supports fixed temperature, quick auto-stop, auto stop, auto start.
- Safety measures are enriched, including self-diagnosis function and an overheating prevention device.

**Compact type of high-performance.**  
Standard small size benchtop vacuum drying ovens with enhanced safety features.

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	
10L	27L

## ■ Specifications

Model	ADP200	ADP300
<b>Performance</b>		
System	Vacuum drying by decompressed chamber direct heating	
Operating temperature range	40 to 240 deg.C	
Operating pressure range	101 to 0.1 kPa (760 to 1 Torr) at absolute pressure	
Temp. control accuracy	±1.5deg.C (at 240 deg.C)	
Max. temp. reaching time	Approx. 70 min.	Approx. 100 min.
<b>Components</b>		
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	
<b>Controller</b>		
Temp. control method	PID control by microprocessor	
Temp. setting method	Digital setting with UP/DOWN 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	
Heater circuit control	Triac zero-cross control	
Temp. sensor	K-thermocouple (double sensor)	
<b>Safe Device</b>		
Safety countermeasures	Self diagnosis functions(Sensor, Heater, Triac, automatic overheating prevention), Independent overheating prevention, Key lock function, Electric leakage breaker	
<b>Standard</b>		
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 (fixed)	3 steps (fixed)
Shelf rest pitch	63mm (fixed)	71mm (fixed)
Vacuum port	18mm O.D.	
Power source 50/60Hz	AC100V 8A (15A)	AC100V 12A (15A)
Weight	Approx. 30 kg	Approx. 55 kg
<b>Accessories</b>		
Shelf plate	Aluminum punching metal shelf 2pcs.	Aluminum punching metal shelf 3pcs.
<b>Optional Accessories</b>		
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.

■ Control panel



■ Dimensions (Unit:mm)

