

## Vacuum Ovens | Multi-function, Touch Screen

## DPT40C/60C/80C/100C

Automatic  
Overheating  
PreventerOverheating  
PreventerSelf-diagnostic  
FunctionPower Failure  
Compensation  
FunctionOvercurrent  
Leakage Circuit  
Breaker

Operating temp. range RT+20~200°C

Operating vacuum range 101~0.1KPa

Internal capacity 91L 216L 512L 1000L

Touch screen and vacuum degree control, various operating modes, easy operation.



## ■ Features

- 7-inch touch screen for easy operation with fixed temp. operation, program operation, and timer operation. Standard 3-level authorization login.
- Multiple pressure operation mode options combined with constant temperature and program operations, allowing for various programs to be designed.
- Gas exchange can be conducted, effectively preventing oxidation and eliminating impurities in the chamber by replacing the chamber air with N<sub>2</sub> gas.
- The box has space for installing a vacuum pump, maximizing effectiveness in limited spaces.
- Quick-connect flange piping method simplifies connections.
- In emergency situations, manual air intake is available.

## ■ Safety

- Equipped with self-diagnostic circuit (temperature sensor abnormality, heater disconnection, automatic overheating prevention, SSR short circuit), independent overheating alarm, three-level authority function, and leakage protection switches to prevent overcurrent.

## ■ Specifications

Model	DPT40C	DPT60C	DPT80C	DPT100C	
System	Pressure reduction, wall heating				
Performance	Operating temp. range	Room temperature + 20~200°C			
	Operating pressure range	101~0.1KPa (760~1Torr)			
	Temp. fluctuation (GB standard)	±0.5°C (at 200°C)			
	Temp. adjustment accuracy (JTM standard)	±1°C (at 200°C)			
Composition	Interior material	Stainless steel plate			
	Exterior material	Cold-rolled steel plate with surface chemical proofing coating			
	Insulating material	Glass fiber cotton			
	Heating method	Heating on the external wall			
	Heating power	2.25KW	4.48KW	6.5KW	14.4KW
	Viewing window	Tempered glass + safety protection resin panel			
	Vacuum pump installation space	Yes			
Controllers	Temp. control method	PID control			
	Pressure control method	Deviation control			
	Temp. /pressure setting/display method	7-inch color LCD touchscreen for display and settings			
	Timer	1 min~99 h 59 min			
	Operation functions	Fixed temp. operation, program operation, timing operation			
	Program mode	100 programs, each with a maximum of 15 segments			
	Additional functions	Temperature curve, temperature history curve, alarm records, alarm history records, operation log, data export function, Chinese, Japanese, English three-language switching, calibration function, screen brightness adjustment, three-level authority function			
Sensors	K-type thermocouple				
Safety device	Self-diagnostic circuit (temperature sensor abnormality, heater disconnection, automatic overheating, SSR short circuit), independent overheating alarm, leakage protection switches, three-level authority function, safety valve				
Specifications	Internal dimensions (W×D×H mm)	450×450×450	600×600×600	800×800×800	1000×1000×1000
	External dimensions (diameter×height mm)	670×670×1524	820×820×1675	1020×1020×1875	1300×1230×2110
	Internal capacity	91L	216L	512L	1000L
	Shelf layers/shelf support spacing	4 layers/105mm	4 layers/140mm	4 layers/190mm	8 layers/120mm
	Exhaust vent	25KF flange		40KF flange	
	Air intake	Rc3/8		Rc1/2	
	Power supply (50/60Hz) rated current	AC220V 10.5A	AC220V 14.5A	AC380V 18.5A	AC380V 22A
Weight	Approx. 190kg	Approx. 290kg	Approx. 450kg	Approx. 1000kg	
Accessories	Stainless steel punched mesh plate, 2 pieces			Stainless steel punched mesh plate, 4 pieces	
Options	Shelves, vacuum pump, vacuum pump oil, vacuum pump pre-filter, vacuum pump oil-mist filter, vacuum pump exhaust vent, cold trap, N <sub>2</sub> pressure reduction valve, N <sub>2</sub> flow meter, air intake filter, air intake silencer, data logger, combined warning light (standby/running/fault), temperature output terminal (4~20mA), pressure output terminal (4~20mA), external alarm output terminal, pirani vacuum gauge				

1 Sterilizers

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