

# Hot Air Sterilizer, DOF-HAS-A Series



1. Capacity: 20L, 50L, 70L, 100L, 200L
2. Temperature range: RT+10-250 °C
3. Test hole: Optional  $\phi$ 25, 50, 80mm
4. Safety device: Leakage protector/Over- temperature alarm

## Description

Dry heat sterilizer DOF-HAS-A Series uses high-temperature dry heat to oxidize microorganisms, denature proteins, and cause poisoning due to electrolyte concentration. The main one is to destroy the cell protoplasm through oxidation, so that the microorganisms die, so all microorganisms can be killed within a certain heating time.

## Energy saving

- The sealing ring of incubator adopts a new type of synthetic silicone sealing strip, which effectively prevents heat loss.
- Automatically adjust the control parameters according to the ambient temperature and load to achieve the optimal heating method and reduce energy consumption.
- High efficiency and energy saving compressor, stable temperature control and low power consumption.



## Intelligent LCD control

- Large-screen LCD display, real-time display of parameters, self-locking function of screen, simple and convenient operation.
- Running function: fixed value running, timing running; The screen will display “END” with a beeping reminder after the running time is completed.

## Internal circulation system

- Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.
- The circulation system adopts the back suction and the bottom vertical air supply mode.
- The shelf is laser hollowed out with round holes for better ventilation and better temperature uniformity.

## Dedicated sheet metal processing

- The shelf can be disassembled and can be freely adjusted up and down, with a minimum spacing of 30mm.
- The inner tank is made of high-quality brushed stainless steel, with strong corrosion resistance.
- Built in observation window to make the objects in the chamber clear at a glance.
- The anti-scalding design of the door handle makes it easy to open and close the door.

## Safety

- Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.
- With limited temperature control sound and light alarm system.
- Self-diagnosis function: display fault information, which is convenient for judging the fault point.

## Specifications

Model		DOF-HAS20A	DOF-HAS50A	DOF-HAS100A	DOF-HAS200A
Capacity(L)		20	50	100	200
Circulation		Forced air convection			
Dimension(W*D*H)	Internal (mm)	300*300*270	420*350*350	550*350*520	600*550*570
	External (mm)	590*470*440	710*520*520	840*540*730	890*730*770
Temperature	Range (°C)	RT+10-250			
	Fluctuation (°C)	±0.5			
	Resolution (°C)	0.1			
	Uniformity (°C)	25%			
	Sensor	PT100			

Controller		PID			
Display		LCD			
Timer(min)		1-9999			
Material	Internal	Stainless steel			
	External	Electro-galvanized steel with antimicrobial powder coating			
Shelves		2			
Test Hole (mm)		Optional $\phi$ 25, 50, 80			
Safety Device		Leakage protector / Over- temperature alarm			
Electricity	Voltage/Frequency(V/Hz)	220/50			
	Consumption (W)	500	750	1500	2000
N. W./G.W. (kg)		27/30	55/60	70/86	86/97
Shipping Dimension (W*D*H) (mm)		600*600*650	760*640*640	970*740*860	990*860*920
Optional		1.Independent temperature limiting controller 2.Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer)			