

HO-D60/HO-DS60 H₂O₂ Low Temperature Plasma Sterilizer



Technical Specifications

PARAMETER	SPECIFICATION
Product name	Low temperature plasma hydrogen peroxide sterilizer
Product model	HO-D60
Product form	Manual door vertical
Heating method	Electric heating
Power	2.6KW
Power	AC220V, 50Hz
Dimensions	(Length × Width × Height): 750 × 630 × 1510mm
Liner size	(Length × Width × Height): 610 × 350 × 320mm
Weight	185Kg
Effective Volume	60L
Temperature display	LCD touch screen
Temperature during sterilization	50 °C ± 5 °C
Select sterilizing agent	Hydrogen peroxide (H ₂ O ₂)
Hydrogen peroxide sterilization concentration	60% ± 2
Sterilization time	35-50min
Vacuum speed	pumped to 50pa in 5 minutes
Operation height	≤140cm
Material of Sterilization Chamber	The cavity structure is rectangular, which improves the space utilization rate; the cavity material is 5052 high-quality aluminum material, and the cavity thickness is ≥ 8mm.

Outer box material	ABS plastic
Electrode mesh material	aluminum alloy material 5052, sheet metal forming, thickness $\geq 2\text{mm}$
Loading method	The upper and lower two layers of aluminum alloy punching plates are loaded with sterilized items, with large loading capacity and high space utilization rate.
Sealing door material	5052 aluminum alloy material, thickness $\geq 15\text{mm}$
Door opening method	Manual right sliding door
Cavity temperature heating power	Preheating heating time $\leq 30\text{min}$
Main body insulation	$\geq 20\text{mm}$ sound-absorbing cotton.
Full automatic control system	LCD circuit touch screen display PLC circuit design, safe and reliable.
Printer	A micro-printer is used to print out the data every minute during the entire sterilization process, which can be permanently saved.
PLC	Use Siemens smart series PLC control system.
Display screen	A 7-inch color touch screen is used, and the communication rate is $\geq 19.2\text{Kbps}$.
Display status	Temperature, pressure, time, cycle mode, process stage and alarm information, etc.
U disk storage function	Disk capacity $\geq 8\text{G}$, capable of storing and recording ≥ 1 million original sterilization data.
Pressure Sensor	The built-in pressure sensor uses imported sensors.
Temperature Sensor	The built-in temperature sensor automatically detects the temperature in the cavity to ensure that the temperature in the cavity is kept within the precise range of $50\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$.
Program system	There are two programs to strengthen circulation and rapid circulation.
Vacuum system	Use domestic Zhiping brand vacuum pump.
Evacuation Control Valve	Adopt high vacuum baffle solenoid valve to control the evacuation pipeline.
Oil mist filter	The product has an exhaust oil mist filter system.
Air filter	The filtration accuracy is less than or equal to $0.2\mu\text{m}$.
Plasma power supply	Transistor controlled power supply, power $\leq 900\text{W}$.
Hydrogen peroxide filling method	Self-priming injection type/ Cartridge filling method
Sterilization effect	A silicone hose with an inner diameter of 1mm and a length of 4 meters can achieve the sterilization effect.
Heating System	Adopt explosion-proof flame retardant heating system.
Various protection functions	With over-voltage and over-temperature protection functions.