

HO-D100, D130,D220 H2O2 H2O2 Low Temperature Plasma Sterilizer



Technical Specifications

PARAMETER	SPECIFICATION
Product name	Low temperature hydrogen peroxide plasma sterilizer
Product form	Automatic door vertical
Heating method	Electric heating
Power	HO-D100: 3.4KVA / 100L (Liner size: 700 × 430 × 360mm)
Volume	HO-D130: 3.5KVA / 135L (Liner size: 750 × 450 × 400mm)
Chamber size	HO-D220: 4.3KVA / 190L (Liner size: 820 × 510 × 460mm)
Power	AC220V, 50Hz
Installation environment	10-50 °C
Sterilization temperature	50±5 °C
Select sterilizing agent	58%-60% concentration of hydrogen peroxide (H2O2)
Sterilization time	35-50 minutes
Vacuum speed	pumped to 50pa in 5 minutes
Temperature display	LCD touch screen
Maximum anti-stress value	10pa
Operation height	≤160cm.
Material of Sterilization Chamber	The cavity structure is rectangular.
Outer box material	ABS plastic
Electrode mesh material	aluminum alloy material 5052, sheet metal forming, thickness ≥ 2mm.

Seal door material	Use high-quality 5052 aluminum material, thickness $\geq 15\text{mm}$.
Loading method	Two layers of upper and lower aluminum alloy punching plates are loaded with sterilized items.
Door opening method	Adopt jack-driven electric lift door.
Door anti-pinch function	has the function of door barrier switch.
Cavity temperature heating power	Preheating heating time $\leq 30\text{min}$.
Main insulation	$\geq 20\text{mm}$ rubber and plastic sponge.
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 $\geq 9600\text{bps}$.
Display status	Temperature, pressure, time, cycle mode, process stage and alarm information, etc.
Storage function	Able to store and record 500 sterilization data
Biological indicator incubator	A microcomputer-controlled biological indicator dedicated constant temperature incubator with a temperature control accuracy of $\leq \pm 0.3\text{ }^{\circ}\text{C}$ within the full range.
Pressure Sensor	The built-in pressure sensor uses imported sensors.
Temperature Sensor	Built-in temperature sensor automatically detects the temperature in the cavity.
Program system	There are two programs to strengthen circulation and rapid circulation.
Vacuum system	The vacuum pumps of well-known domestic manufacturers are used.
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 $0.22\mu\text{m}$.
Plasma power supply	Transistor controlled power supply, power $\leq 800\text{W}$.
Hydrogen peroxide filling method	Self-priming injection type.
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.