

HO-DZ100,DZ130,DZ220 H2O2 Low Temperature Plasma Sterilizer



Technical Specifications

PARAMETER	SPECIFICATION
Product name	Low temperature plasma hydrogen peroxide sterilizer
Product form	Automatic door vertical
Heating method	Electric heating
Power	HO-DZ100: 3.5KVA / 100L (Liner size: 700 × 430 × 360mm)
Volume	HO-DZ130: 4.2KVA / 135L (Liner size: 750 × 450 × 400mm)
Chamber size	HO-DZ220: 4.8KVA / 190L (Liner size: 820 × 510 × 460mm)
Power	AC220V, 50Hz
Working temperature	40-60 °C
Select sterilizer	58%-60% hydrogen peroxide (H2O2)
Sterilization time	35-55 minutes
Installation environment	10-40°C
Temperature display	LCD touch screen
Maximum anti-stress value	10pa
Operation height	≤160cm
Material of Sterilization Room	Using high-quality 5052 aluminum material, the cavity structure is rectangular, to improve space utilization, cavity thickness ≥ 8mm, has excellent thermal conductivity.
Outer box material	ABS plastic disposable plastic.
Electrode mesh material	aluminum alloy material 5052, sheet metal forming, thickness ≥ 2mm.
Sealing door material	5052 aluminum alloy material, thickness ≥15mm.

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.
Door opening method	Adopt a jack-driven electric lifting door and a light-sensing infrared sensor switch to control the opening and closing of the sterilization chamber 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, the system can be maintained and upgraded.
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., and provide actual interface photos.
Storage function	It can store and record the sterilization data of 500 times.
Biological indicator incubator	A microcomputer-controlled biological indicator dedicated constant temperature incubator is used for the constant temperature cultivation process of the biological indicator for sterilization effect monitoring. The temperature control accuracy is $\leq \pm 0.3\text{ }^{\circ}\text{C}$ within the full range; the temperature can be set by itself.
Pressure Sensor	The built-in pressure sensor adopts imported sensors to automatically detect the pressure in the cavity to ensure that the accuracy of the pressure in the cavity is controlled within the effective range.
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.
Network Connection	There is a network connection port.
Vacuum system	The vacuum pumps of well-known domestic manufacturers are used, which are simple and convenient, with a fast vacuum rate and a long service life.
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	Adopt transistor control power supply, power $\leq 800\text{W}$, with the advantages of stable power output and high frequency accuracy.

Hydrogen peroxide filling method	Cartridge filling method.
Sterilization effect	The silicone hose with an inner diameter of 1mm and a length of 4m 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.