H_2O_2 Low Temperature Plasma Sterilizer

Use

It is ideal for sterilizing a wide range of delicate instruments, including soft and hard endoscope lenses (such as hysteroscopes and laparoscopes), endoscopic equipment, laser probes, esophageal dilators, cryotherapy probes, surgical power tools and their batteries, razor heads, ultrasonic probes, optical fibers, pacemaker leads, electronic devices and their accessories, metal instruments, and glassware. Please note that this product is not suitable for sterilizing items such as paper products, plant-based fibers like absorbent cotton, liquids, highly moist objects, or powdery substances.

Characteristics

- We exclusively adopt the intelligent high-precision H_2O_2 injection system. Through the intelligent closed-loop feedback system, the injection volume and loading volume are precisely controlled. That saves a lot of consumables, and minimizes hospital costs.
- The unique sterilant purification technology enables hydrogen peroxide to diffuse more evenly and fully, especially when sterilizing narrow and long tube, and this core technology has been patented.
- Excellent sterilization performance. For the stainless steel tube, with an inner diameter of 1mm, it can effectively sterilize over a distance of 500mm. Additionally, for the polytetrafluoroethylene hose with 1mm inner diameter, delivers outstanding sterilization results across 2,000mm.
- Electric push rod type lifting door, equipped with infrared control safety system, is able to perceive and feedback potential obstacle in advance without touching, which is safe and reliable.
- The single multi-frequency alternating current discharge mode ensures 100% successful plasma discharge. The ultraviolet rays generated by the plasma are completely shielded to ensure the operators are not affected by radiation.
- The core components are all sourced from international renowned brands, ensuring a low failure rate for the entire unit.
- The friendly HMI displays all parameters of the entire process, making the operation both convenient and flexible.
- It supports intelligent remote interconnection, and enables remote fault diagnosis, remote maintenance, remote training, etc.
- Power supply 380V/50hz, it is with casters at the bottom, convenient to more.
- The sterilizing chamber is made of 5052 anti-rust alloy, which has good heat conduction performance, ensuring the temperature in the sterilization cabin remains balanced.
- The lower sterilizing temperature, 50℃ (± 5℃), is harmless to the instrument and beneficial for prolonging its usage life and reducing maintenance costs.
- This unit has obtained multiple patent certifications and is officially registered with the CFDA.

Technical Data

MODEL / Technical Data	BJ-PS80	BJ-PS120	BJ-PS200
Chamber shape	Rectangular shape	Rectangular shape	Rectangular shape
Overall size (W × H × D)	746 × 1700 × 940mm	845 × 1700 × 990mm	932 × 1775 × 1098mm
Chamber size (W × H × D)	400 × 360 × 680mm	450 × 410 × 780mm	550 × 445 × 900mm
Chamber capacity	98L	144L	220L
Valid capacity	80L	120L	200L
Built-in sterilization programs	Fast cycle, standard cycle, enhanced cycle		
Sterilization result	Stainless steel tubes with inner diameter of 1mm and length of 500mm; polytetrafluoroethylene tubes with inner diameter of 1mm and length of 2000mm.		
Standard sterilizing cycle time	≤45min	≤50min	≤55min
Control system	Fully automatic microcomputer control, real time monitoring, automatic preheat, starup detection, display the malfunction info on the screen along with sound alarm.		
Sterilizing temperature	50 ± 5℃		
Sterilant	56% to 60% medical-grade hydrogen peroxide		
Sterilant usage	Single cycle, each time 1.7ml	Single cycle, each time 2.5ml	Single cycle, each time 3.8ml
Injection accuracy	1%		
Operation interface	English operation interface, for setting or print the sterilizing parameter of the full process.		
Recording method	The built-in printer can print the parameters of each sterilization result in real time, including sterilization time, temperature, etc.		
Safety device	Infrared anti-pinch hand protection		
Imported components	Breaker, contactor, solenoid valve, relay, photoelectric switch, microswitch		
Door open/close	The electric push rod enables automatic lifting and descending.		
Minimum installation space	1500 × 1200mm		
Minimum repairing space	1000mm		
Minimum distance from the rear shell to the wall	150mm		
Installation environment	10-40℃		
Power supply	AC 380V/50Hz		
Consumption	2.8KW	3KW	3.5KW
Weight	275kg	340kg	390kg