Low Temperature Plasma hydrogen Peroxide Sterilizer

Production Introduces

The low-temperature plasma sterilizer generates plasma in the sterilization chamber under low temperature and vacuum through the action of high-frequency electric field to chemically react with proteins and nucleic acids in microorganisms, and then usesH2O2 as the medium to destroy microorganisms and disturb the survival function of microorganisms, so as to finally achieve the sterilization effect.



Applicable Articles

Rigid endoscope; soft endoscope; probe; ophthalmic lens; fiber optic cable; intracranial sensor; cold therapy probe; surgical excision device; electrocautery equipment; defibrillation motor; metal; glass; silicone; rubber ETC.

Technical Parameters

Model	SQ-WD-100	SQ-WD-135	SQ-WD-190
Hydrogen Peroxide Concentration	58%～60%		
Working Temperature	45 ℃～60 ℃		
Sterilization Time	Fast sterilization for about 40 minutes; Strengthen sterilization for about 60 minutes; Lumen sterilization ≤ 60min		
Energy Consumption	≤ 2.3 kWh/per cycle	≤ 2.5 kWh/per cycle	≤ 3.0 kWh/per cycle
Chamber Material	High-quality 5052 aluminum		
Door Panel Material	5052 aluminum alloy (thickness ≥ 10mm)		
Pipeline Material	USU304 stainless steel		
Thermal Insulation Material	≥ 20mm thermal insulation cotton		
Hydrogen Peroxide Injection Method	Quantitative injection of chemicals		
Display Function	Temperature, pressure, time, operation mode, process stage, plasma power supply, hydrogen peroxide concentration, and alarm		
Printer	Yes		
Storage Function	≥500 cycles		
Protection Functions	Over voltage, under voltage, over temperature, and door failure		
Ultimate Vacuum	0.04Pa		
Air Filter Accuracy	≤0.22μm		
Plasma Power Supply	≤ 900W		
Exterior Size(L×W×H)(mm)	1067×790×1782	1067×790×1782	1067×790×1782
Inner Tank Size(L×W×H)(mm)	700×430×360	750×450×400	820×510×400
Total Volume	108L	135L	192L
Voltage	AC220V, 50Hz		
Power Rate	3.4kVA	3.5kVA	4.3kVA
Weight	301kg	308kg	341kg