



Plasma Cabinet

RPS-50L Reactive Plasma Sterilizer

Low-Temperature, Eco-Friendly Sterilization Solution for Veterinary & Medical Instruments



Overview

The Plasma Cabinet is a low-temperature reactive plasma sterilization system designed for safe, efficient, and environmentally friendly sterilization of heat- and moisture-sensitive medical and veterinary instruments.

Operating at temperatures below 45°C, the system utilizes dielectric barrier discharge technology to generate highly reactive sterilizing gases that effectively inactivate microorganisms by destroying their DNA and RNA structures.

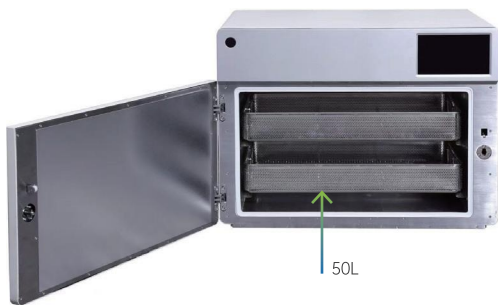
With zero harmful emissions, no external ventilation requirements, and minimal operating cost per cycle, the Plasma Cabinet provides an advanced and cost-effective alternative to traditional sterilization technologies.

Clinical Applications

- Rigid and flexible endoscopes
- Laparoscopic instruments
- Electrosurgical handpieces and accessories
- Surgical forceps, scissors, and clamps
- Optical components and delicate instruments
- Plastic, silicone, rubber, and polymer-based medical devices

Ideal for:

Veterinary hospitals, animal clinics, medical clinics, laboratories, and research institutions.



Product Features

- Low operating temperature: <45°C
- Three selectable working modes
- Standard cycle sterilization time: <1.5 hours
- Zero emissions, environmentally friendly
- No installation or external exhaust system required
- Only electricity and chemical indicator strip required per cycle
- Extremely low per-cycle operating cost
- Integrated vacuum, humidification, air compression, and exhaust decomposition systems
- Proven sterilization performance with biological indicators $\geq 10^6$ spores
- Sterilization verification compliant with ISO 11138-1:2017

Specification

Category	Specification Details
Overall Size (W × H × D):	630 × 470 × 500 mm
Chamber Size (W × H × D):	525 × 300 × 320 mm
Chamber Diagonal Length:	approx. 680 mm
Chamber Volume:	50 L
Operating Temperature:	<45°C
Sterilization Gas Type:	Reactive Plasma (Sterilant Gas)
Operating Pressure:	Vacuum



Including List

1 × Plasma Sterilizer Main Unit	
1 × Power Cable	
2 × Sterilization Trays	
100 × Chemical Indicator Strips	
1x Catalystcanister	