

## H2O2 Plasma Sterilizer

Hydrogen Peroxide low temperature Plasma Sterilizer (Plasma sterilant solution)



### Application

Low temperature hydrogen peroxide plasma sterilizers are used for sterilizing heat-sensitive medical devices, dental equipment, laboratory equipment, pharmaceuticals, veterinary instruments, and beauty industry tools. They provide safe and effective sterilization while preserving delicate materials.

### Advantage

- Low temperature sterilization, preserving delicate items without damage.
- Green and pollution-free process using hydrogen peroxide solution, no toxic substances or pollution.
- Stable sterilization with balanced temperature and stable hydrogen peroxide concentration.
- Efficient design with rectangular sterilization chamber for increased loading capacity.
- Safety and stable operation with electric lift door and safety interlock device.
- Simple operation with intelligent control processor and one-key start.
- Configured with high-quality components for reliable performance.
- Time and cost-saving with short sterilization cycle and low operating costs.
- Equipped with sterile filter for air inlet to prevent secondary pollution.

### Description

- High-quality 5052 aluminum material for sterilization room, with excellent thermal conductivity.
- ABS plastic disposable outer box material.
- Aluminum alloy electrode mesh and sealing door material.
- Upper and lower layers of aluminum alloy punching plates for loading sterilized items.

- Electric lifting door with infrared sensor switch and door anti-pinch function.
- Pre-heating time of ≤30 minutes.

- Full automatic control system with LCD touch screen display and PLC circuit design
- Micro-printer for printing and saving data during sterilization.

- Siemens smart series PLC control system.

- 7-inch color touch screen display with various status information.

- Storage function for recording sterilization data.

- Dedicated constant temperature incubator for biological indicator monitoring.

- Built-in pressure and temperature sensors for precise control.

- Two program options for circulation and rapid circulation.

- Network connection port available.

- Vacuum system with fast vacuum rate and long service life.

- Oil mist filter and air filter for exhaust filtration.

- Transistor control power supply for stable power output.

- Cartridge filling method for hydrogen peroxide.

- Explosion-proof flame retardant heating system.

- Optional double doors.

### Specification

| Model                  | ST-HT100PI  | ST-HT140PI      | ST-HT190PI      |
|------------------------|---|-----------------|-----------------|
| Capacity               | 100L  | 135L            | 190L            |
| Construction           | 5052 Aluminium  |                 |                 |
| Processing Temperature | 45-60°C   |                 |                 |
| Control System         | Siemens PLC   |                 |                 |
| Display                | 7 inch Touch Screen   |                 |                 |
| Printer                | Thermal Printer   |                 |                 |
| Touch Screen Functions | Phrase Temperature Date and Time Cycle Selected Alert Message         |                 |                 |
| Data Storage           | Memory Card   |                 |                 |
| Total Cycle Time       | Short cycle 30 minutes, long cycle 50 minutes, lumen cycle 60 minutes |                 |                 |
| Noise                  | < 60 db   |                 |                 |
| Door                   | Automatic   |                 |                 |
| Alarm                  | Door Lock, Dosing failure Low / High Temp, range Vacuum & Pressure    |                 |                 |
| Consumption            | 3.4kW   | 3.5kW           | 4.3kW           |
| Power Supply           | 220/110V, 50/60Hz   |                 |                 |
| Internal Size(W×D×H)   | 700×430×360mm   | 750×450×400mm   | 820×510×460mm   |
| External Size(W×D×H)   | 1067×790×1782mm   | 1067×790×1782mm | 1067×790×1782mm |
| Shipping Size(W×D×H)   | 1270×920×1940mm   | 1270×920×1940mm | 1270×920×1940mm |
| N.W/G.W.               | 301/350kg   | 308/340kg       | 341/372kg       |