

YD series Ozone sterilizer



Front door



Behind door

1. Description

Ozone sterilization is biochemical oxidation. Ozone oxidation and decomposition of bacteria inside the glucose enzyme necessary; effect can also occur directly with bacteria, viruses, destroy their cells and RNA, decomposition of DNA, RNA, proteins, lipids and polysaccharides and other macromolecules polymer, so that the bacteria permeability material distortion occurs, leading to dissolution of cell death, and the death of bacteria in vivo genetic, parasitic bacteria, parasitic virus particles, phage, mycoplasma and pyrogen (bacterial viruses metabolites, endotoxin), dissolved degeneration and destruction. Throughout aseptic technique principle of the action of microorganisms can be divided into bacteriostatic, bactericidal and dissolution are three application of ozone as a sterilizing agent belongs to lysis.

2. Features

1) The mainly body is made of SUS304 stainless steel production, the cabinet is divided into inner and outer layers, the inner layer of stainless steel TIG welding process to ensure there are no leaks full outer matte stainless steel plate (thickness greater than 1.2mm), the middle layer of thermal insulation 50mm .

Internal 2) device designed according to the requirements of multi-activity shelf, or configure hooks and hangers

3) Ozone gas flow vertically from top to bottom (internal circulation fan). Design on both sides of the windshield to regulate air flow (air volume control based on the size of the gap wind), to ensure the chamber ozone concentration uniformity.



- 4) Sterilization door designed for mechanical doors and front and rear door interlock, or within the sterilization chamber when the ozone concentration exceeds the set value (customers set their own security concentration) front and rear doors are open. Further door and the cabinet surface design in the same plane, to fully meet the new GMP requirements.
- 5) distribution systems and heating and drying the exhaust valve, intake port with one hundred filters. You can be arbitrarily set temperature sterilization drying cabinet (usually no more than 80 °) and drying time.
- 6) Touch screen + PLC + printer control, real-time recording of relevant data printing sterilization. Including product name, batch number, operator name or job number. The concentration of ozone equipment is running, the time may be set multiple sets of sterilization procedures and may be fixed according to different needs, to facilitate user-friendly operation and reduce errors. Also set up three different passwords convenient management authority.
- 7) The ozone concentration rises fast: set concentration can be achieved within 10 minutes, and the concentration of ozone sterilization 0ppm-100ppm from arbitrary regulation and online testing, sterilization time 1 minute -999 minutes arbitrarily set
- 8) on the printing paper can print the product name, batch number, operator name and concentration, temperature, start time, operating status, after the end of sterilization and can print curves. Print records shall not fade, suitable for long-term storage.
- 9) Touch screen can store data for more than a year, and can dump on other devices via USB,
- 10) ozone generator can work for more than 8000 hours.

3.Parameter

- 1) Voltage: AC220V/50Hz±10%
- 2)Dimension and parameter

| Model | Rated ozone production(g/h) | Power(W) | external dimensions L*W*H()mm |
|---------|-----------------------------|----------|-------------------------------|
| YD-500 | 5 | 4.15 | 1050*640*2000 |
| YD-600 | 5 | 4.15 | 1050*640*2000 |
| YD-800 | 10 | 8.2 | 1200*750*2100 |
| YD-1000 | 10 | 8.5 | 1200*1000*2100 |
| YD-1500 | 15 | 9.5 | 1550*1000*2300 |
| YD-2000 | 15 | 11.5 | 1550*1350*2300 |