TT-OS70
Ozone UV Sterilization Cabinet

Technical Specifications

Parameter	Value
Model	TT-OS70
Capacity	70 L
Sterilization Method	Ozone + UV Lamp
Ozone Concentration	620 mg/m³
Ozone Leakage	≤ 0.1 mg/m³
Indicator Bacteria	Staphylococcus aureus, Candida albicans, Pseudomonas aeruginosa, natural bacteria
Control System	PID
Altitude	< 2000 m
Consumption	8 W
Internal Size (W × D × H)	398 × 398 × 452 mm
External Size (W × D × H)	495 × 501 × 760 mm

Introduction

The ozone UV sterilization cabinet can sterilize the following appliances that are not resistant to high temperature: glass enamel cups, plastics, ceramics, machinery and equipment, production supplies, currency, non-woven fabrics, composite paper, packing boxes, packaging bags, appliances, cleaning appliances, mold, tableware, container, towels, work clothing, clothing, shoes, packaging materials, raw materials, solid objects.

It is suitable for banks, hotels, restaurants, schools, production workshops with hygienic requirements, public places that need to be sterilized and family rooms.

[FIGURE: Front view photograph of the sterilization cabinet. An upright, cabinet-shaped unit with a white housing and a transparent glass door. A dark control panel with a digital display is located at the top centre of the door.

The interior is divided into three levels by two adjustable shelves. A tubular UV lamp is mounted vertically on the side wall of the chamber, glowing pale green. A yellow triangular warning label is placed on the lower centre section of the door.

A blue band at the base of the unit carries the wording "SERVICE · HEALTH · FUTURE", with the product name below it.]

[FIGURE: Close-up photograph of the control panel (captioned "Control system"). On a dark black front plate, a red seven-segment digital display shows the value "60". Smaller indicator lights and control buttons are arranged to the left and right of the display; these are used to set the sterilization time. The panel is rectangular with a horizontal layout.]

[FIGURE: Photograph of the interior of the unit (captioned "Shelves (Standard)"). Two horizontal shelves are mounted one above the other inside the stainless steel chamber, dividing the space into three levels. The shelves sit in rails formed on the side walls, so their height is adjustable.]

Features

- **Humanized design —** High quality sealing materials, adjustable shelves, multiple layers can be customized according to the requirements, easy to use.
- **Control system —** Fully automatic control, adjustable sterilization time and shut down automatically after sterilization.
- **Ozone sterilization —** Sterilization is more thorough, rapid, comprehensive, stable, 360-degree coverage.
- **High temperature resistance and anti-corrosion —** 304 stainless steel inner cavity, luxurious appearance, fashionable and beautiful.
- **Low noise —** Stable operation, convenient operation, safe and reliable use, long service life, firmness and durability.

[FIGURE: Four microscopic illustrations side by side, each with a caption below. From left to right:

(1) "Virus": blue, spherical particles with a spiked surface.

(2) "Staphylococcus Aureus": yellow, spherical cells arranged in grape-like clusters.

(3) "Candida Albicans": a cluster of oval cells in purple and pink tones.

(4) "Escherichia Coli": light, rod-shaped cells against a blue background.

The figure illustrates the types of pathogens the unit is able to destroy.]

Double Sterilization: O_3 + UV

[FIGURE: Two diagrams side by side illustrating double (ozone and UV) sterilization.

Left-hand diagram — "Ozone output rate graph": the horizontal axis shows time in minutes (Time (min)) from 0 to 60 in 20-minute divisions; the vertical axis shows the ozone output rate on a scale from 0.0000 to 11.0000. The dark red curve rises steeply after switch-on, then levels off at a high value with slight fluctuation.

Right-hand diagram — spectral distribution of the UV lamp: the horizontal axis shows wavelength in nanometres (Wavelength (nm)) from 160 to 480 nm in 40 nm divisions; the vertical axis shows relative intensity from 0 to 1.0. The curve has two narrow peaks: one at approximately 185 nm and a second, higher one at approximately 254 nm. The peaks are marked by vertical blue lines.

Caption below the figure: "UV-C with ozone sterilization lamp spectral distribution".]