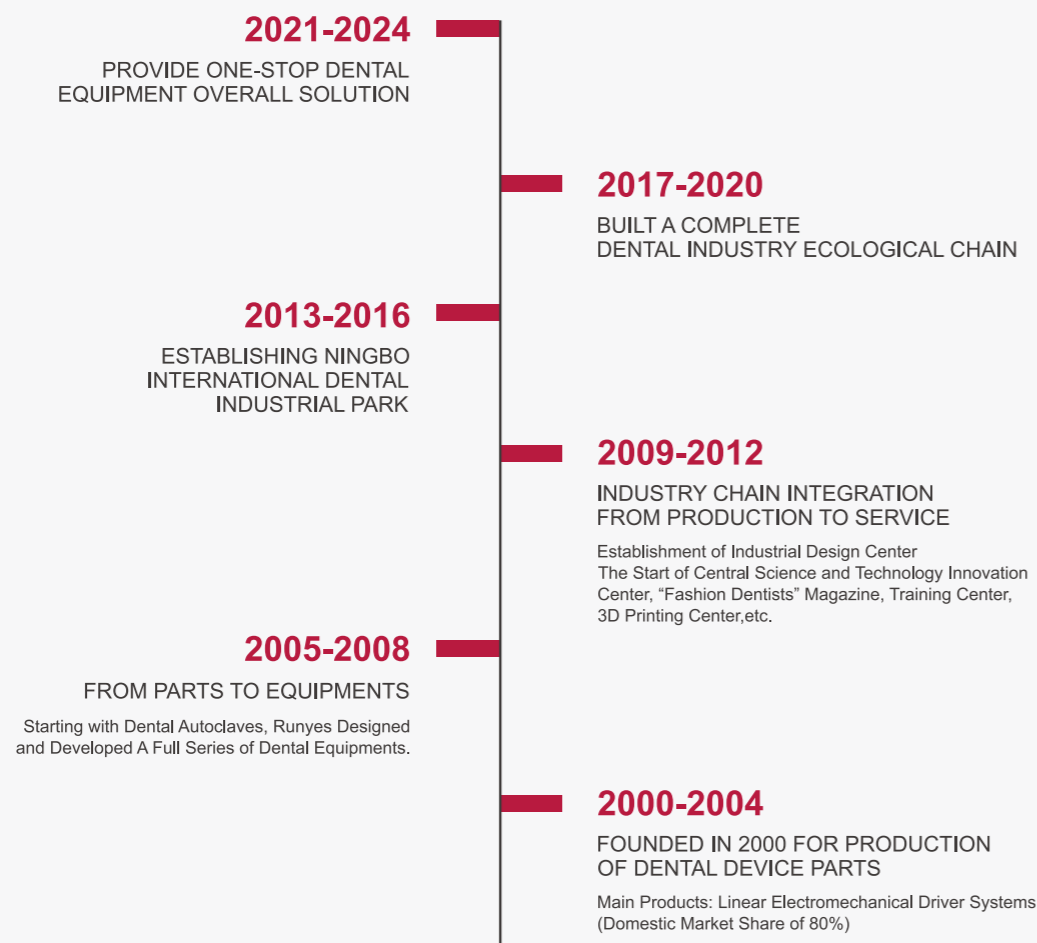


# YOUR ONE-STOP SOLUTION

## OUR STORY



**Runyes Medical Instrument Co.,Ltd.**

Add:No. 456, Tonghui Road, Jiangbei Investment & Pioneering Park C, Ningbo,China  
Tel:+86-574-27709922 Fax:+86-574-27709923 Http://en.runyes.com  
E-mail:runyes@runyes.com

Revision: 202306



Facebook



Instagram

*Perfect your Clinic!*

# CONTENTS

- STEAM STERILIZER
- AUXILIARY DEVICES
- 5L FAST-CYCLE STERILIZER
- Q5 MEDICAL WASHER
- H<sub>2</sub>O<sub>2</sub> AIR & SURFACE DISINFECTOR

**Runyes**<sup>®</sup>  
FOCUS ON DENTAL



## ⇒ Small Steam Sterilizer (SEA Series)

Since year 2000, Runyes has supplied 180,000 units of sterilizers to hospitals and clinics in over 99 countries. Your choice, our promise!



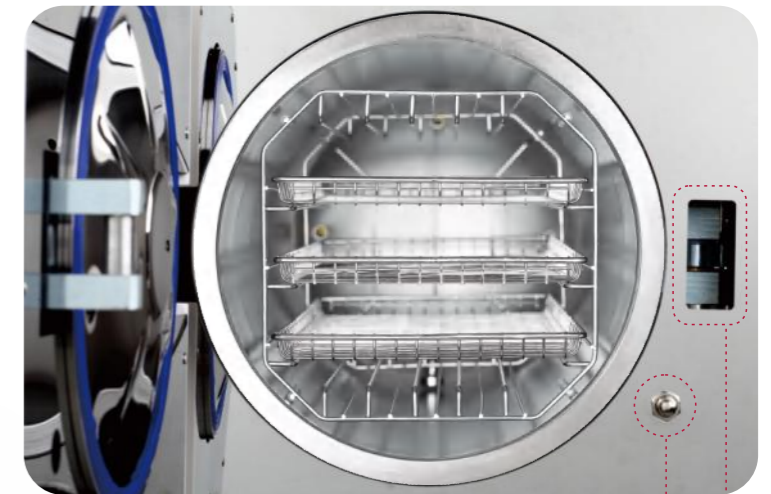
## ⇒ Touch Screen

- 1) Touchable screen makes it easy for operation.
- 2) User-friendly operation interface with elegant design.



## ⇒ Dual heating system, Multi temperature control Making the process more efficient than ever before

One piece 304 stainless steel chamber, powerful double lock door system



### Double Lock System - Mechanical Lock with Air Lock System

Double lock system makes the autoclave safer, and prevents potential safety hazards caused by incorrect operation during the sterilizing cycle



# SEA - 45L 45L Autoclave of 230V

This is a big-capacity autoclave which is available for 230V(civil electricity).



### Circuit Breaker

Cuts off the external power supply during device malfunction to prevent fire.



### Safety Valve

Restores idle chamber pressure when the chamber is over-pressured.

### Air Filter

Filters airborne impurities into the chamber to prevent contamination.



### Two Condensers

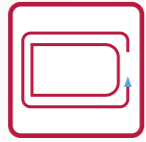
Faster cooling; prolongs life time.



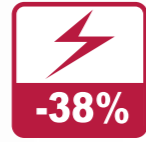
## ⇒ SEA23L/18L Sterilizer



Short Sterilization Time



Constant Temperature Unit



Save Electricity 38%



Increased By 18%



Three-dimensional Sterilization



## ⇒ Two types Of Record (Dual Recording)

1) USB

Master controller stores 2,000 fresh cycles; the data can be downloaded via USB. You can check and print all the records with a computer.

2) Micro-Printer(Optional) Prints cycle data when the cycle ends.



## ⇒ Big Capacity Open Tank

1) Open tank, easy-to-clean.

2) Built-in water quality sensor monitors water quality, reduces machine failure rate, and prolongs machine life time.



## ⇒ Suitable for Different Types Instruments

Surgical instruments, dental instruments, glass wares, injection units and other objects of compression resistance and hot steam resistance.



## ⇒ Technical Specifications



**SEA-18L / 23L-D Touch Screen**

Rating Voltage: 230V/50Hz  
 Power: 1800W  
 Capacity: 18L/23L  
 Chamber Size: Ø249X355mm/Ø249X450mm  
 Product Size: 620X465X420mm  
 Net Weight: 47Kg/50Kg



**SEA-18L / 23L-B-LCD**

Rating Voltage: 230V/50Hz  
 Power: 1800W  
 Capacity: 18L/23L  
 Chamber Size: Ø249X355mm/Ø249X450mm  
 Product Size: 580X460X450mm  
 Net Weight: 47Kg/50Kg



**SEA-18L / 23L-B-LED**

Rating Voltage: 230V/50Hz  
 Power: 1800W  
 Capacity: 18L / 23L  
 Chamber Size: Ø249X355mm / Ø249X450mm  
 Product Size: 580X460X450mm  
 Net Weight: 47Kg / 50Kg



**SEA-29L / 45L-D Touch Screen**

Rating Voltage: 230V/50Hz  
 Power: 3300W  
 Capacity: 29L/45L  
 Chamber Size: Ø319X420mm/Ø319X620mm  
 Product Size: 650X535X505mm/850X535X505mm  
 Net Weight: 80Kg/92Kg



**SEA-18L / 23L-B-LED (Printer)**

Rating Voltage: 230V/50Hz  
 Power: 1800W  
 Capacity: 18L / 23L  
 Chamber Size: Ø249X355mm / Ø249X450mm  
 Product Size: 580X460X450mm  
 Net Weight: 47Kg / 50Kg

## ⇒ Technical Specifications



### SEA-12L-B-LED

Rating Voltage: 230V/50Hz  
 Power: 1800W  
 Capacity: 12L  
 Chamber Size:  $\varnothing$ 200X360mm  
 Product Size: 560x440x370mm  
 Net Weight: 42Kg



### SEA-16L-N-LED

Rating Voltage: 230V/50Hz  
 Power: 1800W  
 Capacity: 16L  
 Chamber Size:  $\varnothing$ 230X370mm  
 Product Size: 435X532X390mm  
 Net Weight: 26Kg



### BES-18L/23L-L-Class B-LCD-USB

Rating Voltage: 230V/50Hz  
 Power: 1800W  
 Capacity: 18L/23L  
 Chamber Size:  $\varnothing$ 249X450mm  
 Product Size: 580x460x450mm  
 Net Weight: 30Kg/33kg



### SEA-18L / 23L-N-LED

Rating Voltage: 230V/50Hz  
 Power: 1800W  
 Capacity: 18L/23L  
 Chamber Size:  $\varnothing$ 249X450mm  
 Product Size: 580x460x450mm  
 Net Weight: 30Kg/33kg



### BES-18L-J-Class N-LED

Rating Voltage: 230V/50Hz  
 Power: 1800W  
 Capacity: 18L/23L  
 Chamber Size:  $\varnothing$ 249X450mm  
 Product Size: 580x460x450mm  
 Net Weight: 30Kg/33kg



### STE 5L Fast-Cycle Sterilizer

Rating Voltage: 240V/50Hz  
 Power: 1800W  
 Capacity: 5L  
 Chamber Size:  $\varnothing$ 192X96X300mm  
 Product Size: 500x310x320mm  
 Net Weight: 26Kg



## ⊕ Auxiliary Devices — Technical Specifications



Water Distiller | Drink

Power Supply: 110V/230V, 50Hz  
 Output Water: 1L/H  
 Chamber Dimension: 180X200mm  
 Machine Dimension: 260X220X380mm  
 Net Weight: 4.2Kg



Lubrication Device | LUB-90

Power Supply: 220V, 50Hz  
 Air Consumption: 60L/Min  
 Power Air Sources: 0.3-0.6Mpa  
 Connectors For Handpiece: high speed \*2  
 Low speed \*1  
 Product Dimension: 280X300X370mm  
 Net Weight: 7.2Kg

Ultrasonic Cleaner | CLEAN-01

Basin Capacity: 3.5L  
 Maximum Length Allowed: 266mm  
 Digital Timer: 6 phases timer  
 Temperature Setting: 3 groups temperature option  
 Ultrasonic Frequency: 35000 Hz  
 Power Supply: 220W (AC 220~240V, 50/60 Hz)  
 Basin Size: 250X174X78 mm  
 Product Size: 428X290X220 mm  
 Net Weight: 5.1Kg



(With Rolling Shelf)

Sealing Machine | SEAL-120

Power: 100W  
 Power Supply: 220V, 50~60Hz  
 Sealing Temperature: 200°C ± 10°C  
 Width Of Indentation: 12mm  
 Max Width Of Seal: 300mm  
 Package Size: 500X400X210mm  
 Net Weight: 4.8kg



Lubrication Device | LUB-120

Power Supply: 100V-240V, 50/60Hz  
 Power: 60VA  
 Frequency: 50-60Hz  
 Power Air Sources: 0.4-0.6Mpa  
 Capacity: 300ml  
 Package Size: 310x270x350mm  
 Net Weight: 7.2kg



Ultrasonic Cleaner | CLEAN-02

Basin Capacity: 6L  
 Maximum Length Allowed: 325 mm  
 Digital Timer: 6 phases timer  
 Temperature Setting: 3 groups temperature option  
 Ultrasonic Frequency: 43000 Hz  
 Power Supply: 320W (AC 220~240V, 50/60 Hz)  
 Basin Size: 328X203X100 mm  
 Product Size: 495X330X212 mm  
 Net Weight: 6.9 Kg



Ultrasonic Cleaner | CLEAN-03

Basin Capacity: 7.5L  
 Maximum Length Allowed: 370mm  
 Digital Timer: 6 phases timer  
 Temperature Setting: 3 groups temperature option  
 Ultrasonic Frequency: 35000Hz  
 Voltage And Power: 410W (AC 230~240V 50Hz)  
 Basin Size: 331X238X105mm  
 Product Size: 541X337X277mm  
 Net Weight: 9.8Kg



# 5L

## Fast-Cycle Sterilizer

Unique square design of the pot  
Greatly increase practical volume  
Efficiently accommodate more instruments for sterilization

NEW



# Rapid Sterilization

The whole process of the unwrapped sterilization cycle only takes 10 minutes;  
 Instant sterilization, suitable for continuous surgeries, improve clinical work efficiency;  
 Meet emergency sterilization needs and solve instant infection control problems;  
 Speed up the use of instrument turnover and reduce the investment of surgical instruments.



# Touch Button

000kPa 134.0°C

Press STOP for 3 seconds to exit: 00:10:00

TEST

STEP▲

DRY▼

MENU/COK

START/STOP

## Core Features



Sterilize in as rapid as 10 minutes



3 pulses vacuum



Small volume but large capacity

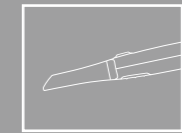
The LCD displays the data of the sterilization process with a curve, which is clear at a glance

Customers can customize the language, date and time.

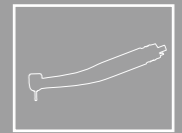
Omron keys with service life of tens of thousands of times.



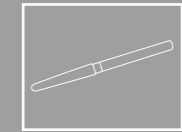
## Applications



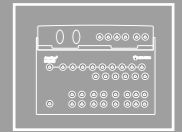
Scanner Tip



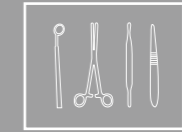
Dental Handpiece



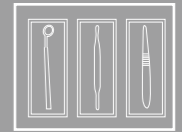
Burs



Surgery Kit



Unwrapped Instruments



Wrapped Instruments

## Multiple Program Options

- 8 sterilization programs
- Precise temperature control
- No harms to instruments
- Extend instrument service life and reduce costs

Sterilization Program	Sterilization Time
>> 134°C unwrapped fast	10min
134°C unwrapped standard	15min
134°C Class B Fast	12min
134°C Class B standard	22min
121°C unwrapped fast	25min
121°C unwrapped standard	30min
121°C Class B Fast	26min
121°C Class B standard	37min

# Q5

## Medical Washer

Auto-intelligent Disinfection  
Thoroughly Cleaning

Compliant with WS 506-2016 recommended handpiece disinfection method.



Powerful Cleaning



93°C High-Temperature  
Disinfection



360°C All-round  
Spray



Residual Temperature  
Dry System





- 4.3 inch digital display
- Multi-parameter display can be realized during operation.



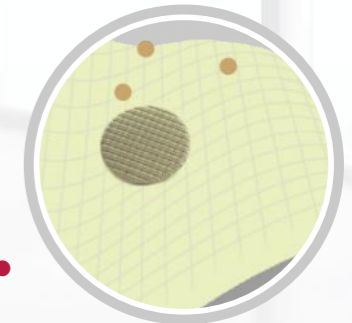
- Circulating hot-air drying (Patented Design)
- After cleaning, it will automatically start drying with high-temperature air at 80 °C.



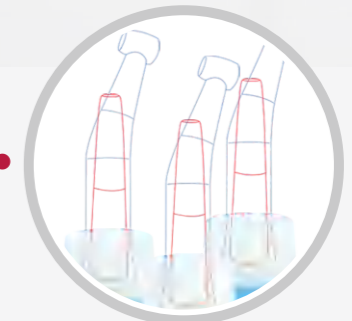
- Imported Large-Flow Circulating Water Pump
- Even distribution of water pressure, with 360° high pressure spray in multiple directions
- High Efficiency



- The whole chamber is made of food-grade 304 stainless steel plate.
- Resistant to high temperature and corrosion.



- Total three-layer filtration system from coarse filtration to fine filtration. The smallest filtration diameter is 50 microns, and the filtration efficiency is more than 99.97%, greatly avoiding the mechanical damage of impurity particles to the handpiece.



- The unique universal handpieces socket design is available for most major branded handpieces with different interface diameters for simultaneous cleaning, like high-speed handpieces (turbo handpiece), low-speed handpieces (straight or contra angle), and implant handpieces, avoiding the replacement of sockets during the cleaning process.





## Large Capacity | Thoroughly Cleaning

Large Capacity & Thoroughly Cleaning Q5 medical washer is mainly used for cleaning, disinfecting of medical equipment. It adopts a universal dental handpiece socket and can clean 18 or 32 handpieces at the same time. Controlled by a microcomputer and under the action of a high-pressure circulating water pump, it relies on the spray arm to spray dynamically in multiple directions. Coupled with the temperature of the water stream (the highest water temperature is 93°C, the duration is 180 seconds, and the A0 value is greater than 3000), pressure, flushing time, number of times, etc., the dental instruments are flushed with a large water jet. At the same time, during the cleaning process, it will automatically add a low-foaming multi-enzyme cleaning detergent to quickly decompose and separate the contaminants on the outer surface and inner cavity of dental instruments, so as to achieve the effect of cleaning and disinfection.



## Technical Specifications



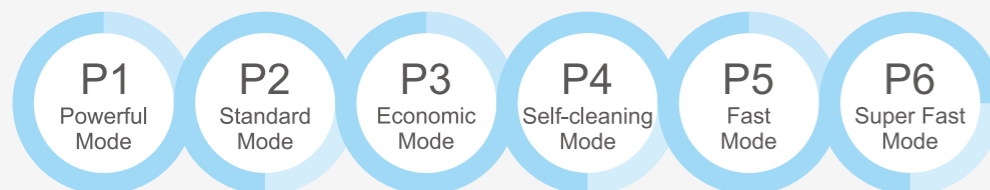
Q518



Q532

Specification / Model	Q518	Q532
Outer Size	527x595x486mm	527x595x486mm
Cleaning Ability	18 handpiece cleaning basket + 1 instrument cleaning basket	32 handpiece cleaning basket
Inner Cavity Cleaning	The whole cavity is made of food-grade 304 stainless steel plate	The whole cavity is made of food-grade 304 stainless steel plate
Display	4.3-inch monochrome digital screen, realizing multi-parameter display	4.3-inch monochrome digital screen, realizing multi-parameter display
Cleaning Program	6 modes( Powerful, Standard, Economic, Self, Fast, Super-fast)	6 modes( Powerful, Standard, Economic, Self, Fast, Super-fast)
93°C Cleaning	✓	✓
Large-flow Circulating Water Pump	✓	✓
Triple Filtration System	✓	✓
Universal Handpiece Socket (patented Design)	✓	✓
Auto-add Multi-enzyme Cleaning Agent	✓	✓
Hot-air Drying	✓	✓
Real-time Print Cleaning Record	Available, Optional	Available, Optional
Electric Power	≤2500VA	≤2500VA

## 6 Cleaning Modes Flexible Choices As You Wish



# H<sub>2</sub>O<sub>2</sub>

## Air & Surface Disinfector

Achieve Thorough Disinfection Of  
Air And Surface



Convenient  
to move



Applicable to  
multiple scenarios



Atomization  
disinfection



Effective  
disinfection



Safe &  
environment-friendly



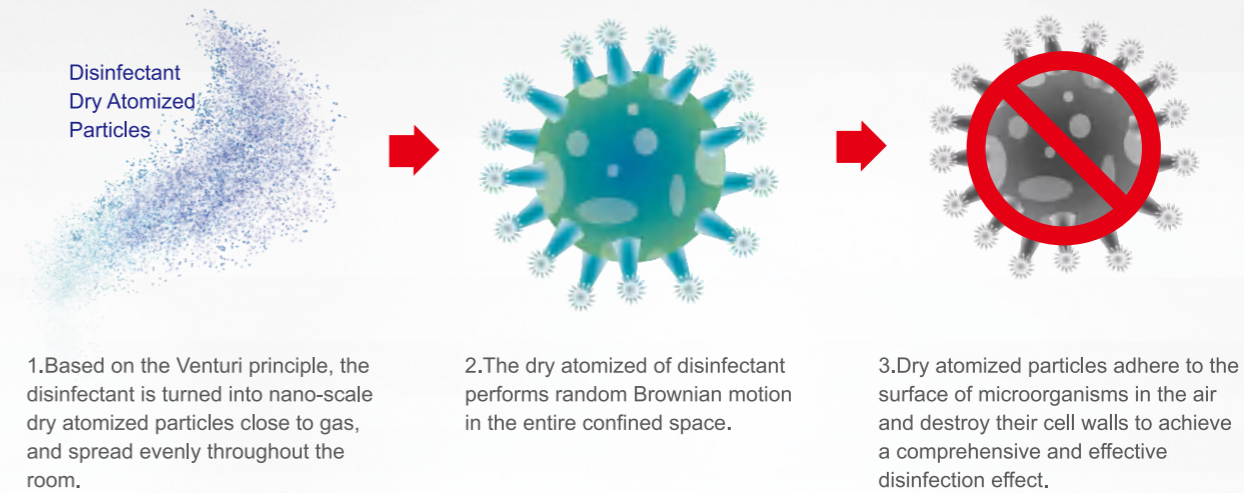
# Easy To Disinfect The Air And Surface

- Surface disinfection effect of natural bacteria ≥90%
- Air disinfection effect of natural bacteria ≥90% (when using 5.5% hydrogen peroxide solution).  
Air disinfection effect of natural bacteria ≥99.9% (when using 7.82% hydrogen peroxide solution).  
Air disinfection effect of Staphylococcus albicans ≥99.9%



- Mobile Cart Optional  
Flexible to move to different rooms

## Disinfection principle

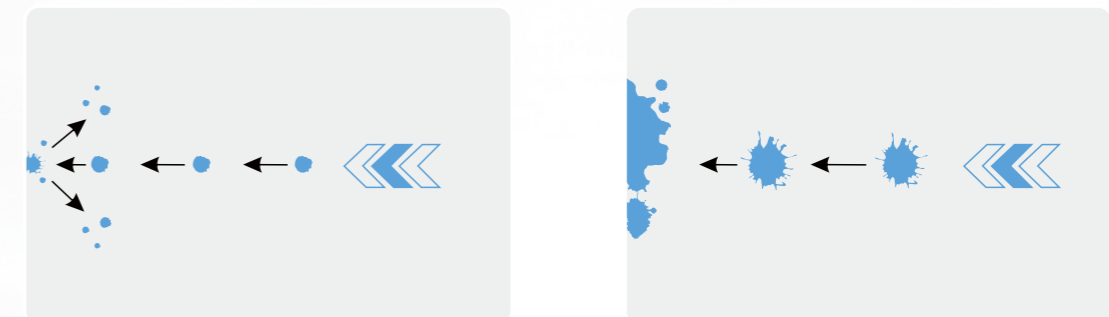


## Working principle

Complete the disinfection process by spreading nano-micron liquid beads to the area that needs to be disinfected.

When the average diameter of the droplets is less than 10 microns, the sprayed nano-micron droplets can be said to be "dry", and the small droplets will bounce off the wall without breaking and attaching to make the surface wet.

All the conditions are to satisfy that the sterilant can effectively diffuse to special areas in the form of nano-micron liquid beads. The characteristics of this form determine that they can diffuse to the space area that is usually difficult to reach.



Small droplets will bounce back, so they won't break

Large droplets will break, so they will wet and adhere

### Nano And Micron Liquid Beads Have The Following Properties:

- ① Nano and micron liquid beads are in random movement (Brownian motion) and will not settle.
- ② Nano-micron droplets will not aggregate together to produce large droplets.
- ③ Nano and micron liquid beads will rebound after contacting the surface without breaking and making the surface wet.

Therefore, these properties of nano-micron liquid beads make sanitary blind corners also have a good disinfection effect.

Specifications	
Health Bureau License	Zhejiang Health Consumer Certificate (2009) No. 0024
Model	Spray-01
Power Supply	AC220-240V 50Hz
Rated Power	≤1200VA
Product	Length: 400mm
	Width: 300mm
	Height: 500mm

Working Environment	Temperature: +5°C~+25°C Wet: 45~75%
Weight	≤ 12.5 Kg
Cover Material	ABS, Integrated mold design
Disinfectant	5.5% H <sub>2</sub> O <sub>2</sub> , 7.8% H <sub>2</sub> O <sub>2</sub>
Disinfectant Usage	≥7ml/m <sup>3</sup>
Applicable Space	≥250m <sup>3</sup>
Storage	Room temperature
Service Life	8 years



## ➔ 6 Advantages To Eliminate Thousands Of Bacteria

### Intelligent Control System

According to the size of the space(automatically set by the system or manually set), the system calculated the amount of hydrogen peroxide and disinfection time automatically.



### Double Nozzle Symmetrical Design

Double nozzles, spray disinfection solution at the same time.



### Disinfectant Adopts Spray-type Design

The hydrogen peroxide liquid is dry atomized by high pressure without heating, the spraying speed is faster, the range is wider, and the disinfection efficiency is higher.



LCD display  
The disinfection time can be set automatically or manually



Optional mobile cart

### Good Diffusibility

Spraying out nano-scale dry atomized particles, evenly spreading to the entire room space, staying for long time, no sanitary blind corners, and no visible liquid on the surface of the object



### Air Disinfection Effect Of Natural Bacteria

Air disinfection effect of natural bacteria  $\geq 90\%$ , (when using 5.49% hydrogen peroxide solution).  
Air disinfection effect of natural bacteria  $\geq 99.9\%$ , (when using 7.82% hydrogen peroxide solution).  
Air disinfection effect of Staphylococcus albicans  $\geq 99.9\%$ .



### Short Disinfection Time

The disinfection time of  $20\text{m}^3$  space is  $\leq 3$  minutes. Considering  $20\text{m}^3$  as a calculation unit, the disinfection time is increased by proportional increase on space. After the a few minutes, the residual concentration of hydrogen peroxide is less than 1ppm.

