



*Infection
Prevention
Solution*

Nano Disinfection Nebulizer

Model : SMART 1000

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1.FFD INTRODUCTION

FFDTECH is focus on R&D and manufacturing the most effective Bio-disinfection system ,our purpose is to be the most professional disinfection and sterilization provider in the world by supplying disinfection machine ,100% biodegradable disinfectant and disinfection working accessories by our passion and continuous investment at innovation .

2.SYSTEM ROSN

ROSN (Reactive Oxygen Species Nebulization) is a very innovative and advanced disinfection cycle developed by FFD which can reach a log 6 disinfection result with G.Stearothermophilus by MESALABS Apex : the Hydrogen Peroxide base disinfectant (0 heavy metal)atomized in the nano particles get charged by a high voltage at 60 °C

Reactive oxygen disinfectant uses MERT treated hydrogen peroxide base liquid .After the nebulization activated by high voltage unit, a large number of reactive oxygen radicals and negative ions are formed, Reactive oxygen free radicals and negative ions quickly act on unsaturated fatty acids in bacterial cell membranes, Lipid oxidation reaction occurs, destroying the cell membrane, and killing bacteria and fungi. Reactive oxygen free radicals and negative ions also cause oxidative damage to RNA and DNA. Damaged DNA may undergo breaks, mutations, and changes in thermal stability. These severely affects the normal transcription and translation process of genetic information, and thus realizes the virus killing, zero harmful residues in the sterilization process.

2.1BAMBOO PRO-801 Specification



SMART 1000 is a ROSN air & surface disinfection machine ,ROSN is a very innovative and advanced disinfection cycle developed by FFD which can reach a log 6 disinfection result with G.Stearothermophilus by MESALABS Apex : the Hydrogen Peroxide base disinfectant (0 heavy metal) atomized in the nano particles get charged by a high voltage at 60 °C up to 1000 m3 .

- **360 DEGREE ROTATING NOZZLE PATENTING**
- **99.9% AIR & SURFACE DISINFECTION SYSTEM TO TREAT SPACES UP TO 3000m³, WITH HEIGHT 4 M ,1L/1000 m³**
- **LOG 6 PROFESSIONAL DISINFECTION BY H₂O₂ TREATING SPACE UP TO 800 m³ ,WITH HEIGHT 4M,6L/1000 m³**
- **VERY LOW DISINFECTANT CONSUMPTION**
- **NANO ATOMIZATION**
- **PLASMA ACTIVATOR**
- **EXTERNAL DISINFECTANT AUTOMATIC SUPPLY**
- **FLOW RATE ADJUSTABLE**
- **REMOTE CONTROL WITH ANDROID SMART PHONE /TABLET**
- **OPERATION TRACKING IN SERVER**
- **MAX SINGLE OPERATION DURATION 24 HOURS**
- **ITALY DESIGN**

Voltage..... 220-240VAC 50-60Hz

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|-------------------------------|----------------------------|
| Input power..... | 1220W |
| Max Amp..... | 7A |
| Dimension:..... | 598*357*307mm (L*H*W) |
| Net Weight..... | 10KG |
| Control system..... | ANDROID |
| Disinfectant tank volume..... | External auto alimentation |
| Disinfectant flow rate..... | 200ml/h-3200ml/h |
| Particle dimension..... | <1U |

BAMBOO-SMART 1000 is a remote control disinfection machine by nano nebulizing the Hydrogen Peroxide OR Hypochlorous Acid treated by plasma .

With a 1200 W brussless ventilator , permitts to spray a very long range.

With a rotating Nozzle driven by air , permitts to disinfect 4 times more bigger space than the normal disinfection machine in the market by nebulization .

With the patented nebulization system , permitts to nebulize the disinfectant to super fine particles .

With the patenting remote control module ,permitts one smartphone or tablet to control in the mean time 20 machines for the super big space .Finished the disinfection process , operator can upload the process to server for a tracking function .

With the Italian design and engeneering , this machine is very compact and beautiful , easy to move.

Operation frequency:802.11b/802.11g/802.11n(H20): 2412MHz~2472MHz
802.11n(H40): 2422MHz~2462MHz

RF Output Power : 802.11b 15.66dBm
802.11g 13.96dBm
802.11n(HT20) 13.68dBm
802.11n(HT40) 13.22dBm

**SMART 1000 IS DESIGNED TO BE ASSEMBLED WITH SMART 1001 (IT IS A
DISINFECTION MACHINE WITH HUMAN PRESENT)BECOMING SMART
1003 FOR A SUPER QUICK DISINFECTION , THAT WILL BE READY SOON .**



Federal Communications Commission (FCC) Statement. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received,

including interference that may cause undesired operation. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide Reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications made to this device not expressly approved by **SHENZHEN FFD POWER TEC CO., LTD** may void the FCC authorization to operate this device. Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

RF exposure statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.