

# Aseptic and Microbial Applications solution

Sterility and microbiological application solution

The product conforms to "Chinese Pharmacopoeia" and conforms to USP/EP/JP

2023



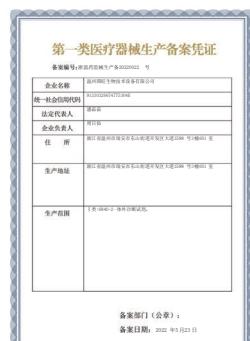
# COMPANY PROFILE

Wenzhou Tuwang Biotechnology Equipment Co., Ltd. is a scientific and technological enterprise in Zhejiang Province. It is an excellent domestic manufacturer of microbial testing related equipment, instruments and consumables. It provides transfer chambers, hydrogen peroxide sterilizers, sterility isolators manufacturing and other products, and comprehensive service providers such as installation and commissioning, testing and verification, training and after-sales service.

Tuwang has always insisted on innovation-driven development. It is one of the earliest manufacturers in China to develop fully enclosed membrane filtration aseptic testing devices, vaporized hydrogen peroxide sterilization systems, aseptic isolation systems, and environmental control testing equipment and consumables. It has achieved multiple An enterprise that automates the production of products. Possesses many new patents: Negative pressure isolator is successfully used in the protective production of highly active drugs.

Aseptic isolation system, VHP vaporized hydrogen peroxide sterilizer, glove leak detector, negative pressure isolator, intelligent sterility test pump, sterility test canister, microbial limit funnel, bacteria collection incubator, surface contact plate, bacteria collection instrument, microbial limit a series of high-tech products such as inspection system, bacterial culture dish, repeated use petri dish, microporous membrane, penicillin mold, cephalosporin mold, etc. have been fully accepted by the market. The company pays attention to technological innovation and has a wide range of products It is used in many fields such as the detection of drugs and biological products, disease prevention and control, environmental protection, food and cosmetics detection , etc. The technologies and methods of the company's various products have been included in the "Chinese Pharmacopoeia", and the products can cover all levels of food and drug inspection institutes, major pharmaceutical companies, drug research institutions and other enterprises and institutions.

Adhere to the business philosophy of "building a brand with quality". Deepen the roots in the field of aseptic and microbiology, and at the same time do a good job in the replacement of new and old products. Tuwang company continues to meet the growing market demand with rich products and high-quality services.



## Dry mist hydrogen peroxide sterilization

### TW-TVHP100PRO

Hydrogen peroxide has a bactericidal effect due to its oxidation-reduction effect, especially for anaerobic bacillus. The working principle of hydrogen peroxide is to dissociate the highly active hydroxyl groups through complex chemical reactions and destroy the cell membrane. Due to the special sterilization principle of the hydrogen peroxide sterilizer, there are no hazardous substances remaining after the sterilization cycle, which is safe for the human body and the environment. Sterilized items do not need to be ventilated and can be used after being taken out. And because of its short sterilization time, it can greatly accelerate the utilization of sterilized equipment and space.



#### Feature

1. Principle: non-heating, dry atomization at room temperature to avoid corrosion damage caused by condensation, no loss of sterilant, and no temperature and humidity requirements, normal temperature and humidity can sterilize work
2. No material corrosion effect, need to provide material compatibility test report, stainless steel, galvanized material corrosion
3. The main material of the equipment is L304, the surface is smooth and flat, easy to clean, wear-resistant, and resistant to disinfection by disinfectant
4. Record the main parameters of sterilization, and support export and printout; the data in the touch screen is

#### Product specification

Size: 200×370×340mm  
Weight: 9.5kg  
Chassis material: 304L stainless steel body  
Power supply: 220±12V/50Hz  
Power: 220W  
Liquid storage tank: external (optional 250ml, 500ml, 1000ml solution bottle)  
Applicable disinfectant: 7.5% hydrogen peroxide/peracetic acid/sporicide

#### Function configuration

Data management  
Data transmission  
Touch screen size: 4.3 inches  
Microcomputer intelligent system  
Control system PLC  
Remote control  
Appointment function  
Small size design and portable handle, convenient for personnel to carry and transfer

#### Technical Parameters

Maximum sterilization volume: 200m<sup>3</sup>  
Sterilization level/effect: reach Log6 kill rate  
Sterilant consumption per cubic meter: 5ml/m<sup>3</sup>  
Hydrogen peroxide output method: turbo-charged atomization  
Spray flow rate: 21M/S  
Spray volume: 12ml/min  
Particle size: <2μm  
Unique turbine speed: 28000r/min

#### Optional area

Mobile power  
Mobile cart  
Hydrogen Peroxide Concentration Sensor  
Hydrogen peroxide decomposition device



Sanitation License for Disinfection Product Manufacturers



CE certificate

# Toone 图旺生物

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