

# Mobile Vaporized Hydrogen Peroxide Sterilizer

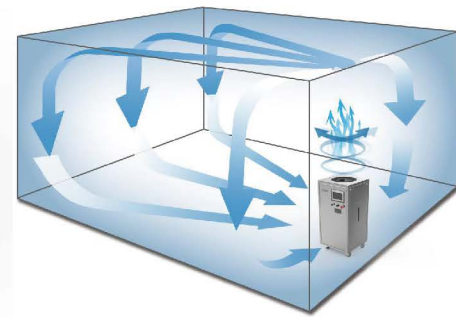
## 移动式汽化过氧化氢灭菌器



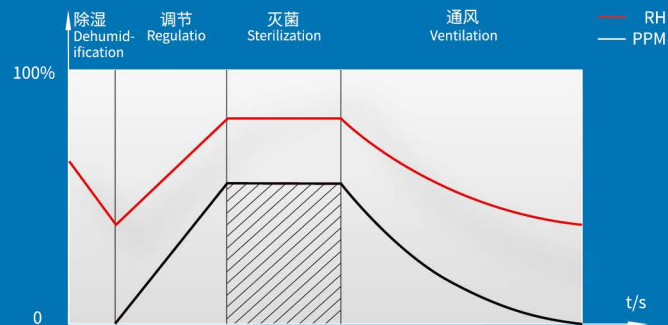
### Product Introduction 产品简介

设备利用“闪蒸”技术将过氧化氢液体迅速变成过氧化氢气体，经过设备顶部的螺旋送风模块，最大限度的实现过氧化氢蒸汽在密闭空间内的扩散，确保过氧化氢蒸汽在目标空间的均匀分布。

The equipment uses the "flash evaporation" technology to quickly turn hydrogen peroxide liquid into hydrogen peroxide gas, which passes through the spiral air supply module on the top of the equipment to maximize the diffusion of hydrogen peroxide vapor in the confined space and ensure the uniform distribution of hydrogen peroxide vapor in the target space.



### Technological Process 工艺流程



#### 除湿阶段 Dehumidification stage

在开始向目标空间加注过氧化氢蒸汽之前，空调系统将目标空间内的相对湿度控制在45%以下，温度控制在25°C以上，为程序进入调节阶段做准备。

Before the mobile vaporized hydrogen peroxide sterilizer begins to inject hydrogen peroxide vapor into the target space, the air conditioning system controls the relative humidity in the target space to below 45% and the temperature to above 25 °C, preparing for the program to enter the adjustment phase.

### Product Features 产品特点

#### 完善的产品架构 Comprehensive Product Architecture

设备可选配汽化模块、通风模块、浓度检测模块，各模块采用无线通讯，主机协调控制，为大空间、多房间灭菌提供整体解决方案。

The equipment can be equipped with vaporization module, ventilation module, and concentration detection module. Each module adopts wireless communication and coordinated control of the host, providing an overall solution for sterilization in large spaces and multiple rooms.

#### 灭菌能力强 Strong Sterilization Ability

利用“闪蒸”技术将过氧化氢液体迅速变成过氧化氢气体，并通过设备扩散系统将其扩散到目标空间，理论灭菌体积可达500 m<sup>3</sup>以上。

Using "flash evaporation" technology to quickly convert hydrogen peroxide liquid into hydrogen peroxide gas, and diffuse it to the target space through the equipment diffusion system, with a theoretical sterilization volume of up to more than 500 m<sup>3</sup>.

#### 数据可追溯性 Data Traceability

设备配有针式打印机和西门子屏，具备电子签名、电子记录、审计追踪等功能。

The equipment is equipped with a needle printer and a Siemens screen, with functions such as electronic signature, electronic recording, and audit tracking.

#### 设备安全性 Equipment Safety

设备配有完善的过氧化氢浓度检测功能。主机配有固定式过氧化氢浓度探头，用于灭菌区域内的实时参数监控。同时配有手持式过氧化氢浓度探头，用于人员进入灭菌区域前的安全防护。

The equipment is equipped with a comprehensive hydrogen peroxide concentration detection function. The host is equipped with a fixed hydrogen peroxide concentration probe for real-time parameter monitoring in the sterilization area. Equipped with a handheld hydrogen peroxide concentration probe, it is used for safety protection before personnel enter the sterilization area.

#### 操作便捷性 Convenience of Operation

采用Ipad远程操作，人员可在灭菌区域外实现对设备的监控与操作。设备自动运行，灭菌过程无需人工干预。



By using Ipad remote operation, personnel can monitor and operate the equipment outside the sterilization area. The equipment operates automatically, and the sterilization process does not require manual intervention.



#### 调节阶段 Regulation stage

提升浓度阶段，设备持续向目标空间加注过氧化氢蒸汽，直至达到灭菌所需浓度。

During the concentration increase phase, the equipment continues to inject hydrogen peroxide vapor into the target space until the required concentration for sterilization is reached.

#### 灭菌阶段 Sterilization stage

闷消阶段，在此阶段维持目标空间的过氧化氢浓度至灭菌完毕。

During the sterilization stage, maintain the hydrogen peroxide concentration in the target space until sterilization is completed.

#### 通风阶段 Ventilation stage

空调系统开启排残模式，迅速降低目标空间过氧化氢浓度至安全水平。

The air conditioning system activates residual removal mode, quickly reducing the hydrogen peroxide concentration in the target space to a safe level.