

VHPS系列过氧化氢灭菌器

VHPS Series Hydrogen Peroxide Sterilizer

产品简介:

PRODUCT INTRODUCTION:

VHPS 系列过氧化氢灭菌器是将 H₂O₂ 溶液（即双氧水）通过汽化器形成过氧化氢蒸汽，通过管道输送到待灭菌的空间进行生物除污的设备，广泛应用于密闭空间的常温灭菌，包括传递舱、灌装机、冻干机、隔离器、洁净间，等等场所。

VHPS Series Hydrogen Peroxide Sterilizer is an equipment that forms hydrogen peroxide steam from H₂O₂ solution (i.e. hydrogen peroxide) through vaporizer, and then transmits it to the space to be sterilized through pipeline for biological decontamination. It is widely used for room temperature sterilization of confined space, including transfer tank, filling machine, freeze-drying machine, isolator, clean room and other places.

使用环境:

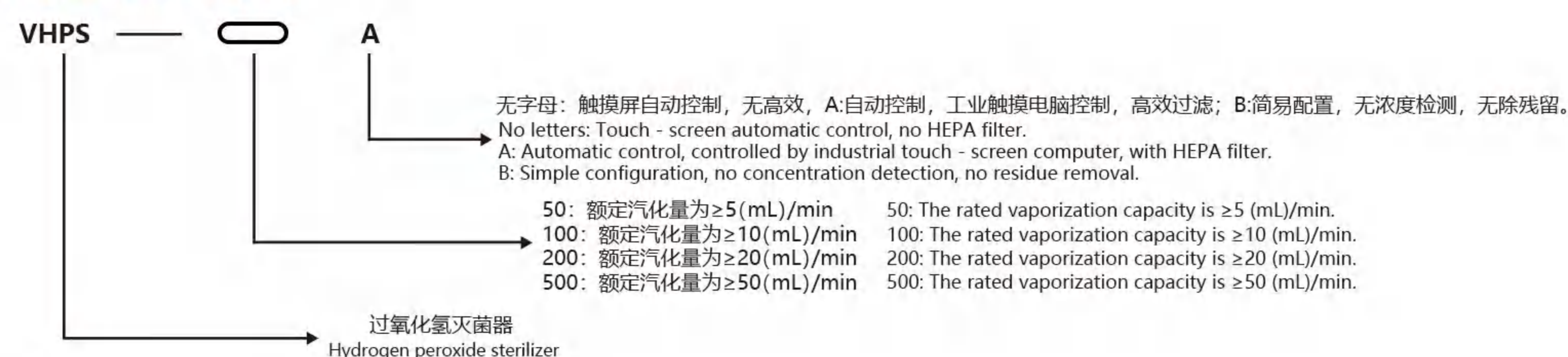
USE ENVIRONMENT:

- 环境温度: 10°C ~ 40°C;
Ambient temperature: 10°C - 40°C
- 相对湿度: 0-85% RH;
Relative humidity: 0 - 85% RH
- 电压 AC220V+10%; 频率 50Hz±1Hz; 有效接地;
Voltage: AC220V + 10%; Frequency: 50Hz ± 1Hz; Effective grounding
- 无扬尘、烟气环境,
Dust - free and smoke - free environment
- 环境粉尘浓度不大于 100000 颗 /ft³.
Ambient dust concentration not exceeding 100,000 particles/ft³



型号说明:

MODEL DESCRIPTION:



触摸屏界面:

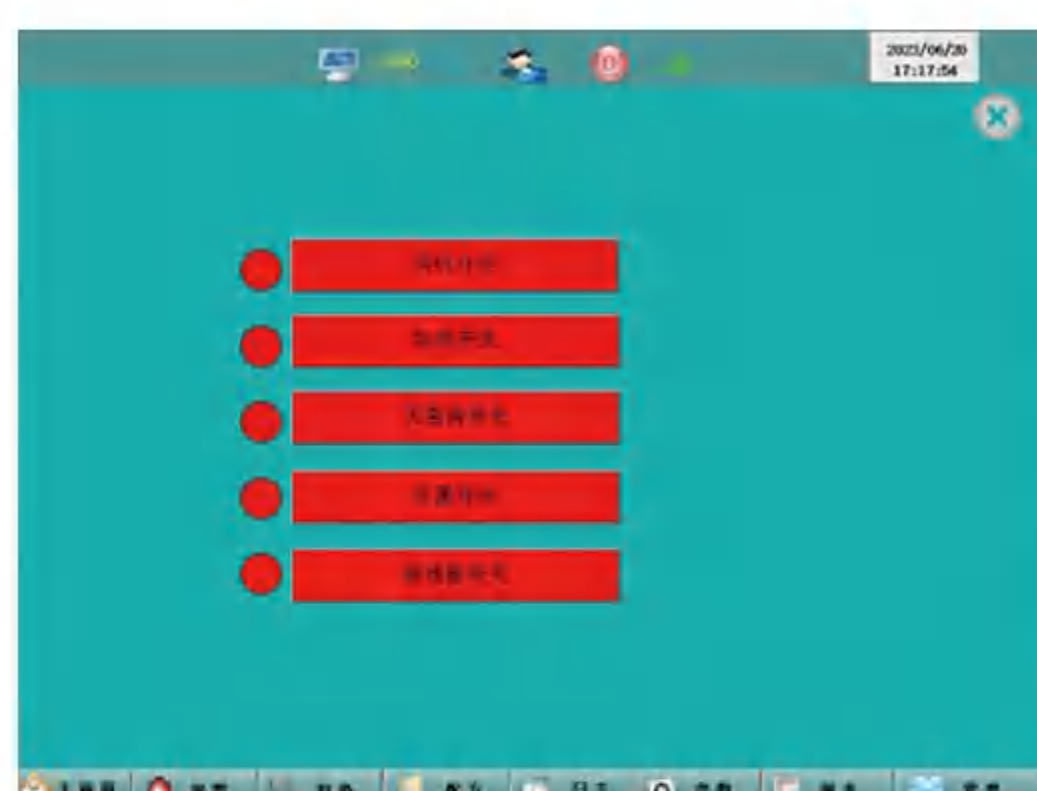
TOUCH - SCREEN INTERFACE:



登录界面
Login interface



主界面
main interface



手动界面
manual interface



报警界面
alarm interface

工作原理:

WORKING PRINCIPLE:

灭菌器, 是利用过氧化氢在常温下气体状态比液体状态更具杀孢子能力的优点, 经生产游离得氢氧基, 用于进攻细胞成分, 包括脂类、蛋白质和 DNA 组织, 达到完全灭菌的要求。

灭菌器是将浓度为 30%~35% 的过氧化氢溶液, 即双氧水通过汽化器汽化成过氧化氢蒸汽, 并通过管道输入到密闭空间内进行消毒灭菌的设备。

VHPS Series Hydrogen Peroxide Sterilizer takes advantage of the fact that hydrogen peroxide in a gaseous state at room temperature has a greater sporicidal ability than in a liquid state. Free hydroxyl groups are generated during production, which attack cellular components, including lipids, proteins, and DNA structures, meeting the requirements for complete sterilization.

The sterilizer is a device that vaporizes a hydrogen peroxide solution with a concentration of 30% - 35% (i.e., hydrogen peroxide) into hydrogen peroxide vapor through a vaporizer, and then inputs it into an enclosed space through pipelines for disinfection and sterilization.

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性能参数:

PERFORMANCE PARAMETERS:

项目 / 型号 Item / Model	VHPS-50	VHPS-100	VHPS-200	VHPS-500
额定汽化量 Rated vaporization capacity	0~5g/min	0~10g/min	0~20g/min	0~30g/min
风量 Air volume	60m³/h	120m³/h	200~250m³/h	700m³/h
灭菌因子 Sterilization factor	过氧化氢蒸汽 Hydrogen peroxide vapor			
生物除污能力 Biological decontamination ability	6Lg			
电源 Power supply	AC220V,50Hz			
闪蒸功率 Flash evaporation power	2.5kw	12kw	18kw	35kw
重量(kg) Weight(kg)	150	200	300	400
外形尺寸w*d*h(mm) Overall dimensionsw*d*h (mm)	600*720*1150	740*870*1150	1200*900*1950	1400*1150*1950

技术特点:

TECHNICAL FEATURES:

- 1. 四大独特技术:**
- 高精度闪蒸温度控制技术：高精度温度控制，保证过氧化氢蒸发时不会分解，提高过氧化氢的灭菌效率。
 - 高效的生物除污能力：因送风风量大，能将汽化的 VHP 快速送入空间，使 VHP 在空间迅速扩散，灭菌时间短灭菌效率高。
 - 除残留功能独特：采用过氧化氢去除器能快速将过氧化氢蒸汽还原为水和氧气，除残留时间短效率高。
 - 计算机化验证软件：记录灭菌过程的 VHP 浓度、闪蒸温度、温湿度参数、过氧化氢重量等参数的变化，形成报表。

- 2. 功能特点:**
- 灭菌范围广，空间大，可对大空间快速均匀灭菌；
 - 灭菌参数记忆保存功能，灭菌时直接调出即可；
 - 残留物少，通过过氧化氢分解器，最终分解为水与氧气；
 - 灭菌时间短，运行成本低；
 - 定时开机，可预约时间，可设置灭菌时间；
 - 具有组网功能，能通过网络控制灭菌进程，多台可组成局域网。

- 1. Four unique technologies:**
- High - precision flash evaporation temperature control technology: High - precision temperature control ensures that hydrogen peroxide does not decompose during evaporation, improving the sterilization efficiency of hydrogen peroxide.
 - High - efficiency biological decontamination ability: Due to the large air supply volume, the vaporized VHP (Vaporized Hydrogen Peroxide) can be quickly sent into the space, enabling VHP to spread rapidly in the space. This results in a short sterilization time and high sterilization efficiency.
 - Unique residue removal function: The use of a hydrogen peroxide remover can quickly reduce hydrogen peroxide vapor back to water and oxygen, with a short residue removal time and high efficiency.
 - Computerized verification software: Records the changes in parameters such as VHP concentration, flash evaporation temperature, temperature and humidity parameters, and hydrogen peroxide weight during the sterilization process, and generates reports.
- 2. Functional features:**
- Wide sterilization range and large space applicability. It can quickly and evenly sterilize large spaces.
 - Has the function of memorizing and saving sterilization parameters, which can be directly retrieved during sterilization.
 - Produces few residues. Through the hydrogen peroxide decomposer, it is ultimately decomposed into water and oxygen.
 - Short sterilization time and low operating cost.
 - Can be set to turn on at a scheduled time, with the ability to reserve time and set the sterilization time.
 - Has a networking function, enabling the control of the sterilization process through the network. Multiple units can form a local area network.



灭菌浓度曲线报表
Sterilization Concentration Curve Report