

BDS-H Series Hydrogen Peroxide Vapor Disinfector Technical Parameters Table

Code	BDS-H1000	BDS-HB200	BDS-H1100
Parameters			
Name	Hydrogen Peroxide Vapor Disinfector(Diffusion)	Hydrogen Peroxide Vapor Disinfector (Pipe)	Hydrogen Peroxide Vapor Disinfector (Intergration)
Power source	AC 220 - 240V 50Hz	AC 220 - 240V 50Hz	AC 220 - 240V 50Hz
Power	2000W	1800W	2000W
Size (L×W×H)/mm	425×425×1035	430×380×900	425×525×1050
Weight	55Kg	40Kg	80Kg
H <sub>2</sub> O <sub>2</sub> reserves	3L	500ml	3L
H <sub>2</sub> O <sub>2</sub> concentration	30%—35%		
H <sub>2</sub> O <sub>2</sub> dosage	4-12 ml/m³		
Disinfection effect	Microbial decay rate ≥ 90%		
Sterilization effect	10 <sup>-6</sup> Sterility assurance level		
Noise	≤ 60dB		
Application	(HPV) diffusional	(HPV) pipe	(HPV) Diffusional/pipe

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**BDS-H Series Hydrogen Peroxide Vapor Disinfector/ Sterilizers**



BDS-H series of diffusional hydrogen peroxide disinfector uses hydrogen peroxide gas as a disinfectant and sterilization agent. Suitable for disinfect gases in confined spaces, pipe surfaces and equipment.  
For facilities before reuse, shut down, daily regular cleaning, and fast recovery of biological contamination.

The disinfector could finish an exhaustive disinfection or sterilization to the air and objects surfaces in the specific space. The extent of disinfecting to the microbe could reach the level of sterilization. Safety, high intelligence, convenient. Diffusional hydrogen peroxide disinfector disinfect in areas up to 500m<sup>3</sup>.



Hydrogen Peroxide Vapor Disinfector(Diffusion)

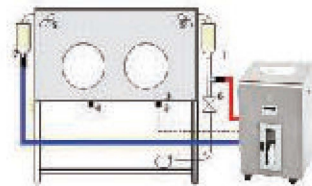


Hydrogen Peroxide Vapor Disinfector (Pipe)

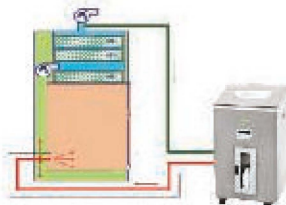
HPV disinfector (pipe) is a kind of small mobile devices, it can be connected to the space through the appropriate hose and secure interface to accomplish the sterilization or disinfection work. The small experimental equipment includes biosafety cabinet, IVC mainframe, IVC cage, carbon dioxide incubator, small freeze dryer, etc.



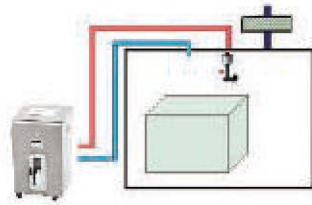
1.IVC sterilization solution



2.Isolator sterilization solution

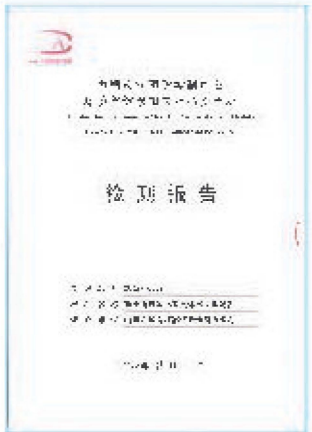
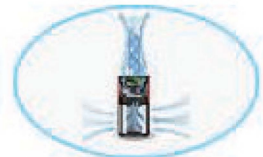


3. Biosafety cabinet sterilization solution



4.Large multifunction washer machine and passing tank sterilization solution

- Completely effect of disinfection/sterilization  
The function of broad-spectrum disinfection and sterilization of the equipment will make the bacteria, virus and spore these microbes dead and deliver 6-log bio-decontamination.
- Good compatibility  
The gas of H<sub>2</sub>O<sub>2</sub> is compatible with objects to be disinfected. And there is no harm to the surface of room and facilities.
- High safety  
There is no residual with H<sub>2</sub>O<sub>2</sub> vapor offering user-friendly operation with unique parametric cycle control.  
Wireless control with IPAD. Operator can stand outside the space to monitor and operate the equipment to protect the operator.  
Once abnormal happened, intelligent detection of HPV concentration in space may cause the warning to ensure that people and animals will always be in a safe environment.  
The device comes with the function of decomposition of HPV and ventilation to ensure that the concentration of hydrogen peroxide in the area could be controlled within 2PPm at the end of the disinfection or sterilization.
- High efficiency of disinfection and sterilization  
Process of disinfection or sterilization could be adjusted with the size of room. It will be 4-6 hours to complete disinfection / sterilization in a normal isolation room.
- Intelligent, easy to operate  
The device uses a touch-screen operation controlled by a programmable logic controller. It's flexible to set parameters. Based on pre-set, The equipment can run automatic disinfection or sterilization cycle without human intervention in the whole process at room temperature and pressure condition. It can be disinfected or sterilized individually for any sealable zone.
- Convenient for monitoring the effect  
There are chemical and biological indicators permitted by the state health ministry approved monitoring the effect of HPV sterilization. User can always monitor the sterilization effect, convenient and reliable.



Chinese Center for Disease Control and Prevention (CDC) monitoring report disinfection effect