

VHP Sterilization Chamber

VHP(vaporized hydrogen peroxide) Decontamination Chamber is normally used for sterilization of outer surface of any object, which is not suitable for AUTOCLAVE & compatible with HYDROGEN PEROXIDE in vapour phase.

Patent for Invention
Heating Device for VHP
Patent No: 201910097348.X

Patent for Invention
Filter Paper and Filter with Catalytic
Decomposition for VHP Sterilization Device
Patent No: 201910880516.2

Patent for Utility Model
Heating Device for VHP
Patent No: ZL 201920172562.2

Patent for Utility Model
VHP Device with Sterilized HEPA Filter
Patent No: 201922435716.5



Operation Principle

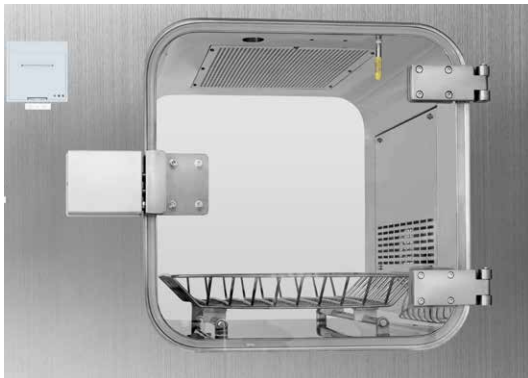
- A built-in VHP generator heats up the hydrogen peroxide, converting it from liquid to vapour, then blown into the chamber, creating a lethal environment capable of killing bacteria, viruses and fungi. Each step of the process is fully controlled, guaranteeing perfect performance .

Application

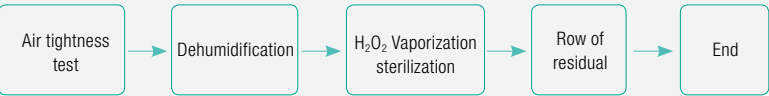
- VHP Decontamination Chamber is designed for two different zone of area, for transferring of product from lower classified zone to higher classified zone (Non – sterile area to Sterile area), without effecting the balancing of respective zone, Containment free product transfer to higher classified zone. The Unit is especially suitable for GMP regulated pharmaceutical companies manufacturing drugs aseptically.

Features

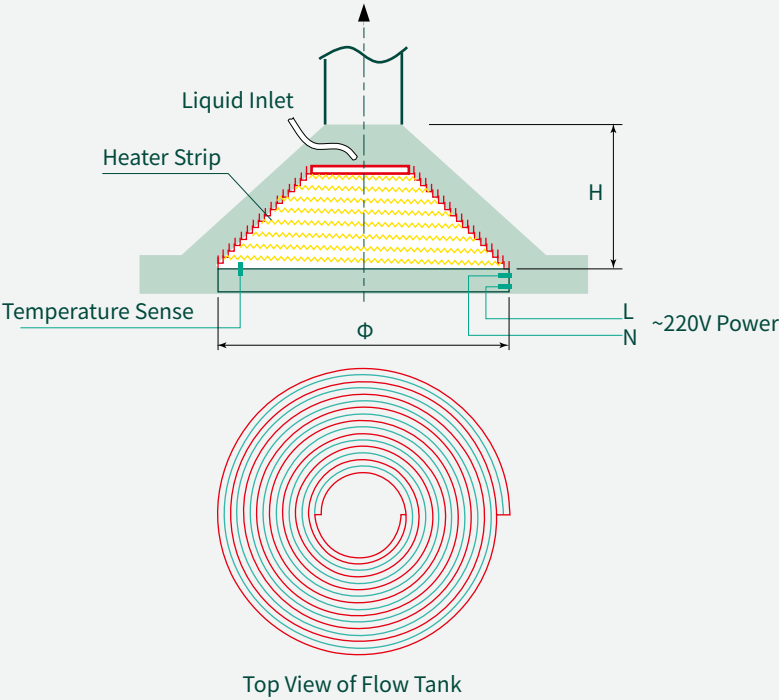
- Sterilization process <120min to realize multiple sterilization operations one day.
- Fully automatic operate, menu can be saved and invoked.
- Emergency Stop.
- Adopts clean compressing air for vaporization power which can reduce the impact of the pressure differential when taking air from the room.
- Decomposition filter can effectively reduce the concentration of VHP remain Reduce the impact on environment and personnel.
- Through up down side to reduce the inspection space.
- Corner sterilization pass box which will increase factory space utilization ratio, and improve the distribution.
- Very low hydrogen peroxide consumption.



VHP: the Process



Vaporizer Schematic Draw



Dimensions

Model	Outer Size WxDxH(mm)	Inner Size W'xD'xH'(mm)	Nominal Volume (L)	Cleanliness Class	Sterilization Efficacy	Power (kW)
LATM288	1200×800×2000	600×800×600	288	Class B	6-log	3
LATM512	1400×800×2200	800×800×800	512			
LATM1000	1600×1060×2100	1000×1000×1000	1000			
LATM1440	1600×1260×2300	1000×1200×1200	1440			