

## **pulsating vacuum steam sterilizer with drying function**

Pulsating vacuum steam sterilizer is a combination of vacuum pulsation technology and saturated steam sterilization technology equipment, specifically designed for sterilization of medical devices, laboratory equipment and other items with high sterilization requirements.

Pulsating vacuum steam sterilizer through the built-in steam generator and pulsating vacuum technology, can better achieve steam penetration, to ensure more thorough sterilization effect.

### **Main Features of Pulsating Vacuum Steam Sterilizer**

1. high-quality stainless steel liner and sealing cover: The equipment adopts high-quality stainless steel liner, which is corrosion-resistant and high-temperature-resistant to ensure the long-term stable operation of the equipment. The design of the sealing cover ensures efficient sealing in the sterilization process and prevents steam leakage.



2. microcomputer intelligent control: equipped with microcomputer control system, according to the demand for flexible setting of sterilization parameters (temperature, time, pressure, etc.), easy to operate, can automatically complete the entire sterilization process.
3. Safety interlocking device: the equipment is equipped with multiple safety interlocking mechanism to prevent the equipment from starting when the door is not closed or the pressure inside the sterilization barrel is abnormal, which can effectively protect the safety of the operators.
4. Drying function: After sterilization, the drying function can be started automatically to ensure that the articles are dry and can be used immediately after sterilization, avoiding the residual moisture affecting the subsequent use.
5. a number of test functions: including BD test, HELIX test, vacuum test, etc., according to the different needs of the sterilization effect of the equipment for verification and testing.
6. LCD liquid crystal display and touch screen operation: the device is equipped with LCD liquid crystal display, real-time display of the sterilization status, touch key design makes the operation more convenient and intuitive.
7. standard test interface: provide standard test interface, easy to connect external testing equipment, to ensure that the sterilization effect of scientific verification.
8. European B standard certification: equipment in line with European B standards to ensure the safety, reliability and internationally recognized quality standards.

9. automatic protection functions: including over-temperature protection, over-pressure protection, low water level protection, anti-dry burning function, etc., to fully guarantee the safety of equipment operation.
- 10.three times pulsating vacuum technology: three times pulsating vacuum technology, can more thoroughly remove the air, to ensure that the steam can better penetrate into the internal items, to achieve more efficient sterilization.
- 11.the end of sterilization reminder: when the sterilization process is over, the equipment will send a reminder signal through the buzzer, and automatic shutdown, to avoid operator omission.
- 12.automatic exhaust function: after the end of sterilization, the equipment will automatically discharge cold air and steam to ensure the safety of the goods and the environment.
- 13.built-in steam generator: equipped with built-in steam generator, can quickly produce saturated steam, shorten the sterilization time, improve sterilization efficiency.
- 14.built-in printer and USB function: built-in printer can record the data of each sterilization process, USB interface and U disk support data storage and export, easy to manage and trace.

## **Working Principle**

Pulsating Vacuum Steam Sterilizer sterilizes by using three times pulsating vacuum technology and the dual action of saturated steam. First, the device removes air several times through the pulsating vacuum process to ensure that there is no gas interference in the sterilization chamber, allowing steam to penetrate into every corner of the item. Then, high temperature saturated steam is generated by the built-in steam generator and injected into the sterilizing room to kill bacteria, viruses and other microorganisms on the surface and inside of the articles rapidly by the action of high temperature and pressure. The equipment precisely adjusts the temperature, pressure and time through the microcomputer control system to ensure the sterilization process is efficient and precise. After sterilization, the equipment automatically discharges the cold air and steam, and at the same time starts the drying function to ensure that the sterilized articles are dry and safe.

<b>Model</b>	<b>DA1-8M</b>	<b>DA1-12M</b>	<b>DA1-18M</b>	<b>DA1-23M</b>
Capacity	8L	12L	18L	23L
Maximum Operating Temperature	139°C			
Maximum Operating Pressure	0.25Mpa			
Rated Working Temperature	134°C			
Rated Working Pressure	0.22Mpa			
Sterilization Chamber Dimensions	diameter 170x320mm	diameter 200x355mm	diameter 250x370mm	diameter 250x452mm
External Dimensions	445x580x400mm	445x580x400mm	480x640x450mm	480x690x450mm
Power Supply	110Vac, 220Vac, 50Hz, 60Hz			
Power	2kw			
Weight	38kg	40kg	43kg	51kg