

## **pulse vacuum pressure steam sterilizer, european class b**

Pulse vacuum pressure steam sterilizer is an efficient, safe sterilization equipment, using high temperature and high pressure steam and vacuum pulsation technology, widely used in medical, pharmaceutical, laboratory and other industries.

Pulse vacuum pressure steam sterilizer can effectively remove microorganisms, provide in-depth sterilization, to ensure that the operating environment and sterilized items of the sterilized aseptic state.

### **Main Features of Pulse Vacuum Pressure Steam Sterilizer**

1. high-quality stainless steel liner and sealing cover: the equipment is made of high-quality stainless steel, with superior corrosion resistance and high temperature resistance, the sealing cover is designed to effectively prevent steam leakage, to ensure that the sterilization process of the sealing and high efficiency.
2. microcomputer intelligent control: equipped with microcomputer control system, the user can flexibly set the sterilization temperature, 121 °C or 134 °C, automatic cyclic adjustment to ensure that the sterilization process is efficient and accurate.



3. safety interlocking device: equipped with multiple safety interlocking system, when the door is not closed or anomalies occur, the equipment can not start to ensure the safety of personnel in the process of use.
4. touch key operation: touch key design, simple and intuitive operation, to ensure that the user can easily set the sterilization parameters and monitor the operation of the equipment.
5. standard test interface: provide standard test interface, easy to external monitoring and equipment performance verification, to ensure the traceability of sterilization effect and compliance.
6. open top water tank: the equipment adopts open top water tank design, to ensure the rapid injection of water and efficient use of water, saving water resources.
7. in line with the European B standard: the product meets the European B standard, to ensure that the performance and quality of the equipment in line with international certification requirements.
8. automatic protection function: equipped with over-temperature protection, over-pressure protection, low water level protection and other automatic protection devices, effectively preventing equipment failure and potential risks associated with failure, to ensure stable operation for a long time.
9. the end of the sterilization reminder and automatic shutdown: sterilization is complete, the equipment through the buzzer to remind the operator, and automatic shutdown, to avoid prolonged operation of the load.
10. automatic discharge of cold air and steam: after the end of the sterilization process, the equipment can automatically discharge cold air and steam, quickly restore the equipment and the safe temperature of the sterilized items, to avoid the impact of hot steam on the items and the environment.

11. built-in steam generator: built-in high-efficiency steam generator can quickly produce saturated steam, reduce heating time and improve sterilization efficiency.

### **Advantages of Pulse Vacuum Pressure Steam Sterilizer**

1. High-efficiency Sterilization: The combination of vacuum pulsation and high-temperature and high-pressure steam can kill bacteria, viruses and other microorganisms on the surface of the item and inside in depth, and provide a thorough sterilization effect.
2. intelligent control: microcomputer control system can accurately set the sterilization temperature and time, automatic cycle operation greatly improves the automation level of the equipment and reduces manual intervention.
3. multiple security: the equipment is equipped with over-temperature, over-pressure, low water level and other protective functions to ensure the safety of the equipment in the long run, to prevent accidents caused by improper operation or equipment failure.
4. energy-saving and efficient: built-in steam generator and open tank design to ensure rapid steam generation, to avoid waste, improve the overall sterilization efficiency, reduce energy consumption.
5. convenient operation: touch keys and LCD interface makes the equipment operation simple and intuitive, reducing the operating difficulties and improve efficiency.
6. high quality assurance: equipped with standard test interface, in line with the design of the European B standard, for the performance of the equipment to provide a reliable guarantee, to ensure that the sterilization quality can be traced.

## Working Principle

Pulse vacuum pressure steam sterilizer ensures the sterilization effect by combining three times pulsating vacuum technology and autoclave principle. First, the unit removes air from the sterilization chamber several times through the pulsating vacuum, ensuring that the steam can completely penetrate the surface and interior of each item. Next, the built-in steam generator rapidly generates saturated steam, which sterilizes and kills microorganisms at high temperatures. During the whole process, the microcomputer control system automatically adjusts the temperature, pressure and time of the steam to ensure a stable and efficient sterilization process. After the end of sterilization, the equipment automatically carries out steam discharge and cold air discharge to quickly reduce the internal temperature of the equipment to prevent damage to the items due to overheating.

<b>Model</b>	<b>DA2-18M</b>	<b>DA2-23M</b>
Capacity	18L	23L
Rated Working Temperature	134°C	
Rated Working Pressure	0.22Mpa	
Sterilization Chamber Dimensions	diameter 250x370mm	diameter 250x452mm
External Dimensions	480x590x450mm	480x710x450mm
Power Supply	110Vac, 220Vac, 50Hz, 60Hz	

<b>Model</b>	<b>DA2-18M</b>	<b>DA2-23M</b>
Power	2.2kw	
Weight	48kg	53kg