

pulse vacuum steam sterilizer with automatic door operation

Pulse vacuum steam sterilizer can automatically execute the sterilization process to ensure the stability and reliability of the sterilization effect, which is widely used in medical, pharmaceutical, laboratory and other industries.

Pulse vacuum steam sterilizer through the built-in steam generator and multiple safety protection functions, to ensure the efficiency and safety of the sterilization operation, used to sterilize a variety of tools, instruments, liquids and packages, to ensure that the environment is sterile and in line with relevant safety standards.

Main Features of Pulse Vacuum Steam Sterilizer

1. automatic door switch: with automatic door switch design, it is convenient for the operator to put in and take out the items quickly and easily, and at the same time to avoid human error.
2. high-quality stainless steel liner and sealing cover: the liner is made of high-quality stainless steel, which has strong corrosion resistance and high-temperature resistance to ensure the stability and durability in long-term use. Sealed cover design to ensure the sterilization process of airtight, effectively prevent steam leakage.



3. microcomputer intelligent control: equipment built-in microcomputer control system, can accurately set the sterilization parameters, such as temperature, time, etc., the automatic implementation of sterilization, drying and other operations, reduce manual intervention, improve work efficiency.
4. safety interlocking device: safety interlocking system can effectively prevent the door is not closed or the pressure is abnormal when the equipment is started, to avoid the occurrence of unsafe conditions, to ensure the safety of the operator.
5. a number of test functions: equipped with BD test, HELIX test and vacuum test interface, can be used to verify the sterilization effect, to ensure that strict sterilization standards.
6. LED liquid crystal display and inductive operation: equipped with LED liquid crystal display, real-time display of sterilization status. Inductive operation is more convenient, users only need to touch to operate, greatly simplifying the operation process.
7. standard test interface: provide standard test interface, convenient for external equipment and the sterilizer for data connection and testing, to ensure that the sterilization effect compliance.
8. open top water tank: open top water tank design, to ensure rapid inflow of water, saving water, improve work efficiency.
9. in line with the European B standard: the equipment meets the European B standard, with international certification of quality and performance guarantee, can provide a high standard of sterilization effect in all kinds of applications.

10. automatic protection function: equipped with over-temperature protection, over-pressure protection, low water level protection, anti-dry burning and other automatic protection functions to ensure the stability of the equipment in the long run to prevent failure.
11. three times pulsation vacuum technology: three times pulsation vacuum technology, can fully exclude the air and moisture in the sterilization room, to ensure that the steam can effectively penetrate into the internal items, to achieve complete sterilization.
12. end of sterilization reminder and automatic shutdown: after the sterilization process is over, the equipment will remind the operator through the buzzer, and automatic shutdown to avoid operational delays and equipment damage.
13. automatic discharge of cold air and steam: sterilization is completed, the equipment automatically discharge cold air and steam, quickly restore the safe temperature of the sterilized items and equipment to ensure that the equipment and items are not subject to thermal damage.
14. built-in steam generator: built-in high-efficiency steam generator, can quickly produce saturated steam, greatly improving the sterilization efficiency, reduce heating time.
15. built-in printer and USB function: the device is equipped with a built-in printer, you can print the sterilization process data, convenient for later quality traceability and management. USB interface and U disk function is convenient to store and export data for further analysis.

Working Principle

Pulse vacuum steam sterilizer adopts three times pulsating vacuum technology combined with high temperature steam for sterilization. First of all, the equipment through three pulsating vacuum process, quickly remove the air and moisture in the sterilization chamber, to provide a good environment for the penetration of steam. Subsequently, the built-in steam generator produces high-temperature saturated steam, which penetrates into the interior of the item under high pressure and rapidly kills bacteria, viruses and other microorganisms. Under the automatic adjustment of the microcomputer control system, the key parameters such as temperature, time and pressure are precisely controlled to ensure the high efficiency and stability of each sterilization cycle. After the end of sterilization, the equipment will automatically carry out the discharge of cold air and steam to restore the safe temperature, and prompt the operator through the buzzer.

pulse vacuum steam sterilizer with automatic door operation

Model	DA3-18M	DA3-23M	DA3-45M
Capacity	18L	23L	45L
Rated Working Temperature	134°C		
Rated Working Pressure	0.22Mpa		
Sterilization Chamber Dimensions	diameter 250x370mm	diameter 250x470mm	diameter 316x615mm

pulse vacuum steam sterilizer with automatic door operation

Model	DA3-18M	DA3-23M	DA3-45M
External Dimensions	505x620x450mm	505x710x450mm	657x870x575mm
Power Supply	110Vac, 220Vac, 50Hz, 60Hz		
Power	2.2kw		3.5kw
Weight	53kg	58kg	105kg