

automatic high pressure steam sterilizer with printer

Automatic high pressure steam sterilizer through high temperature and high pressure steam, the equipment can effectively kill bacteria, viruses and other microorganisms, to ensure the sterility of the items.

Automatic high pressure steam sterilizer is easy to operate, equipped with a variety of safety protection and automation functions, providing efficient and safe sterilization solutions.

Main Features of Automatic High Pressure Steam Sterilizer

1. high temperature and high pressure sterilization: the sterilization temperature can be as high as 134 °C, the pressure can be up to 125 MPa, which can efficiently kill a variety of microorganisms, to ensure that the sterilization effect is reliable.
2. high-quality materials: the equipment is made of S30408 stainless steel, corrosion resistance, high temperature resistance and oxidation resistance, to ensure that the equipment in long-term use to maintain good performance.
3. microcomputer automatic control: Rising temperature, emptying, sterilization, exhaust steam and other processes through the microcomputer precise control, the equipment can automatically complete the entire sterilization process, without manual intervention, improve work efficiency.



4. LED digital display: the equipment is equipped with LED digital display, real-time display of sterilization temperature and time, the operator can clearly view the current sterilization status, to ensure that the process is transparent and controllable.
5. built-in printing function: equipment built-in printer, can print the sterilization process parameters and data, to facilitate quality traceability and records management.
6. handwheel type quick opening design: with handwheel type quick opening structure, it is convenient for the operator to quickly open and close the equipment, save time and improve efficiency.
7. double safety chain device: the equipment has a double safety chain, when the door is not closed when the machine can not start. when there is pressure in the sterilization barrel, the machine can not open the door to avoid accidents.
8. multiple safety protection: equipment with overpressure self-evacuation, over-temperature, overcurrent and water shortage protection, effectively preventing equipment failure or improper operation of the safety hazards.
9. glass fiber reinforced plastic cover protection: the external design of glass fiber reinforced plastic cover, can effectively prevent high temperature steam and hot air on the operator caused by scalding, improve the safety of the equipment.
10. sound and light alarm function: in the sterilization process is over, the equipment will be through sound and light alarm to remind the operator to remove the items in time to avoid potential problems caused by neglect.

11.optional drying function: the equipment supports optional drying function, you can dry the items after sterilization, to further improve the use of sterilized items.

Advantages of Automatic High Pressure Steam Sterilizer

1. high-efficiency sterilization: high temperature 134 °C and high pressure 125 MPa working conditions make the equipment in a short time to complete the sterilization process, to ensure the thoroughness of the sterilization effect.
2. intelligent control: the use of microcomputer control system, fully automated operation reduces manual intervention and improves the accuracy and safety of the operation.
3. strong reliability: multiple safety protection design, double chain safety mechanism, overpressure self-evacuation, over-temperature, over-current and other protective functions to ensure the safe operation of the equipment in a high-pressure environment.
4. easy to operate: LED display, built-in printing function and handwheel type quick opening design, simple and intuitive operation, suitable for all kinds of users.
5. energy-saving and efficient: the equipment's efficient steam utilization and heating system, making the energy consumption is low, while the sterilization process is fast, saving time and resources.
6. adaptability: through different sterilization procedures, the equipment can be adapted to a variety of items of sterilization needs, to meet the different needs of hospitals, pharmaceuticals, scientific research and other industries.

Working Principle

The working principle of automatic high pressure steam sterilizer is based on the sterilization effect of high temperature and high pressure steam. The equipment firstly heats water to high temperature to produce steam, which is injected into the sterilizing room. In the closed space, high-temperature and high-pressure steam on the surface of the goods and the internal comprehensive sterilization. The equipment is controlled by a microcomputer, which precisely regulates all aspects of heating, sterilizing and exhausting to ensure high efficiency and consistency of the sterilization process. After the sterilization is completed, the equipment discharges the high temperature steam through the condensation exhaust system, and at the same time carries out the drying treatment, and prompts the operator to complete the sterilization through sound and light alarms.

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Model	VA35C	VA50C	VA75C	VA100C
Capacity	35L	50L	75L	100L
Maximum Operating Temperature	134°C			
Maximum Operating Pressure	0.25Mpa			
Time Setting Range	0 to 9999 minutes			
Temperature Setting Range	100°C to 134°C			
Sterilization Chamber Dimensions	diameter 318x420mm	diameter 318x530mm	diameter 388x480mm	diameter 388x630mm
Power Supply	220Vac, 50Hz, 2.5kw	220Vac, 50Hz, 2.5kw	220Vac, 50Hz, 3.5kw	220Vac, 50Hz, 4.0kw