

portable high pressure steam sterilizer with digital display

Portable high pressure steam sterilizer is a kind of equipment designed for rapid and efficient sterilization, widely used in places where high temperature and high pressure steam sterilization is required.

Portable high pressure steam sterilizer steam sterilizer is made of high-quality SUS304 stainless steel, with strong resistance to high temperature and corrosion, able to work stably for a long time in harsh environments.

Main Features of Portable High Pressure Steam Sterilizer

1. high-quality stainless steel: the equipment shell is made of SUS304 stainless steel, not only has excellent corrosion resistance, high temperature resistance, but also enhances the durability of the equipment, to ensure that the long-term use of the damage.
2. accurate pressure monitoring: equipped with double scale two reading pressure gauge, can accurately display the pressure inside the equipment, real-time monitoring of pressure changes in the sterilization process, to ensure that each sterilization operation is carried out within the safety range.



3. double safety protection: built-in double safety valve, when the pressure inside the equipment reaches the set upper limit, the safety valve will automatically release the excess pressure, to prevent overpressure leading to equipment damage or safety hazards.
4. efficient sealing design: the use of Silicone sealing ring, effectively preventing the leakage of high temperature steam, to ensure excellent sealing performance, improve sterilization efficiency.
5. intelligent control system: digital real-time display of sterilization temperature and time, and allows the user to set as needed, providing greater flexibility and precision.
6. overpressure self-evacuation and water shortage protection: with overpressure self-evacuation function, to prevent equipment failure due to excessive pressure. water shortage protection function, to ensure that the equipment will not run when the water level is insufficient, to protect the equipment from damage.
7. simple operation, safe and reliable: even without a professional background of the operator, you can easily use the equipment for sterilization, simple control interface, intuitive digital display and automation functions to ensure that the operation process is safe and convenient.

Advantages

1. strong portability: the equipment is designed to be lightweight, easy to carry and move, suitable for a variety of scenarios, whether it is a hospital, clinic, or remote areas of the field emergency, can be easily used.
2. efficient sterilization: high-pressure steam can quickly penetrate the surface of the object, completely kill bacteria, viruses and other microorganisms, sterilization effect is stable and reliable.
3. high safety: double safety valves, overpressure self-evacuation, water shortage protection and other multiple safety features to ensure that the equipment can be operated safely under any circumstances, to avoid the danger of improper operation or failure.
4. intelligent operation: digital display of the sterilization temperature and time setting function, convenient for users to adjust and accurately control the sterilization process, to ensure that all kinds of items get good sterilization results.
5. low maintenance costs: due to the use of high-quality stainless steel and advanced safety design, equipment maintenance is simple and low cost, long service life, reducing the long-term use of maintenance expenses.

Working Principle

Portable high pressure steam sterilizer generates high temperature and high pressure steam by heating water and sterilizes it in a closed space. The double-scale Class II pressure gauge of the equipment is used to monitor the internal steam pressure in real time to ensure that the equipment works within the safe pressure range. During the sterilization process, the water is heated to the desired temperature and the steam is sealed by a silicone seal to ensure that the steam is completely sealed and will not escape, thus improving sterilization efficiency. When the temperature reaches the set value, the equipment will begin to automatically time to maintain the set temperature and pressure to ensure that bacteria and viruses are completely killed. The equipment is equipped with double safety valves, when the pressure exceeds the set range, the safety valve will automatically release the pressure to prevent overpressure accidents. Overpressure self-discharge and water shortage protection function further ensures the stability of the equipment, preventing damage to the equipment due to excessive pressure or low water level.

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Model	PA3-18	PA3-24	PA3-30
Capacity	18L	24L	30L
Maximum Operating Temperature	129°C		
Maximum Operating Pressure	0.165Mpa		
Time Setting Range	0 to 999 minutes		
Sterilization Chamber Dimensions	diameter 300x330mm	diameter 300x460mm	diameter 300x520mm
Power Supply	220Vac, 50Hz, 2.0kw	220Vac, 50Hz, 2.0kw	220Vac, 50Hz, 2.0kw