

### **tabletop high pressure steam sterilizer with pulse vacuum**

Benchtop autoclave is a compact design, powerful sterilization equipment, widely used in medical, laboratory, stomatology, ophthalmology, operating room and other places, for a variety of instruments, dressings and other disinfected items of high efficiency sterilization.

Tabletop high pressure steam sterilizer is designed for fully automated operation and controlled by microcomputer to ensure the accuracy and efficiency of each sterilization process. Tabletop high pressure steam sterilizer adopts advanced vacuum technology and high temperature and high pressure steam sterilization, which can completely eliminate microorganisms and ensure environmental hygiene.

#### **Main Features of Tabletop High Pressure Steam Sterilizer**

1. in line with international standards: this equipment meets the European B standard and passes the EN13060 safety test, which ensures that the product is of high standard in terms of safety and performance.



2. three times pulsation vacuum drying function: the use of three times pulsation vacuum technology, can effectively remove the air inside and on the surface of the items, the steam penetration is stronger, the sterilization effect is more thorough. The vacuum degree can reach  $-0.09\text{Mpa}$ , which ensures that the articles are thoroughly sterilized and the remaining humidity of the instruments is lower than 0.2%.
3. intelligent control system: full computer control, the use of advanced imported 16-bit microprocessor, easy to operate, with a high degree of intelligence, to adapt to different sterilization needs. The user interface adopts liquid crystal display, simple and clear, convenient operation.
4. Multiple Sterilization Procedures: Provide multiple sterilization modes, support BD test, vacuum test procedures, etc., which can detect steam penetration and ensure the accuracy of all sterilization operations.
5. Uniform temperature and pressure control: the pot body is made of 2.5mm stainless steel one-time stretch molding, equipped with jet steam generator, to ensure uniform internal temperature and pressure distribution, so as to ensure that the items are uniformly and thoroughly sterilized.
6. Wastewater tank alarm system: equipped with wastewater tank full of water alarm system, to avoid wastewater back to the sterilization room, to ensure the sterilization effect and the sanitation of the disinfection process.
7. high safety design: the door adopts double interlock protection system to prevent opening the door forcibly when there is pressure in the chamber, avoiding the safety hidden danger. The design of the equipment meets the high safety standards, the operator does not need to worry about accidents.
8. easy to clean: the upper tank design, easy to clean and maintain, reduce the daily maintenance workload.

9. built-in printer and USB function: equipped with a built-in printer to support data logging, USB interface makes the operation and data management of the device more convenient. Ensure the traceability of each sterilization process by printing records and dates.

### **Advantages**

1. efficient sterilization: through the combination of three pulsating vacuum technology and high temperature and high pressure steam, to ensure that all kinds of instruments and materials are more thoroughly sterilized, and the effect of sterilization is particularly prominent for complex shapes or porous structure items.
2. intelligent management: full computer control system, simple and intuitive operation, can automatically adjust the sterilization parameters to ensure the accuracy and consistency of each sterilization process.
3. space-saving: desktop design saves floor space, suitable for working environments with limited space, to meet the needs of laboratories, clinics and other places.
4. high safety: double door locks and automatic protection system greatly improves the safety of the equipment, preventing the occurrence of unsafe operation and protecting the operator from injury.
5. convenient maintenance and cleaning: top-mounted water tank and optimized design of the piping system to facilitate cleaning and maintenance, reducing the use of the process of cumbersome operation.

6. data recording and traceability function: built-in printer and USB interface, easy to record the detailed data of each sterilization, and be able to extract and view the disinfection records at any time to ensure quality management and traceability.

### **Principle of Operation**

Tabletop high pressure steam sterilizers remove air from the surface and interior of the item by first pre-vacuuming and evacuating the item to improve steam permeability. Subsequently, the equipment releases saturated steam through a jet steam generator, using high temperature and high pressure steam to sterilize the article. During the sterilization process, the steam enters every corner of the sterilized article and rapidly destroys the cellular structure of microorganisms to achieve sterilization. After the sterilization is completed, the equipment automatically releases steam and cools down, then enters the drying stage to ensure that the sterilized articles are completely dry.

The sterilization process is controlled by microcomputer, and the double monitoring of F0 value and temperature and time ensures the accuracy of the sterilization effect. At the same time, the waste water tank inside the equipment will issue an alarm when the water is full, avoiding the interference of waste water on the sterilization process.

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<b>Model</b>	<b>DA6-18M</b>	<b>DA6-23M</b>
Capacity	18L	23L
Rated Working Temperature	134°C, 121°C	
Rated Working Pressure	0.22Mpa	
Sterilization Chamber Dimensions	diameter 249x355mm	diameter 249x450mm
External Dimensions	480X560X420mm	480X630X420mm
Power Supply	110Vac, 220Vac, 50Hz, 60Hz	
Power	1.8kw	2.0kw
Weight	50kg	53kg