

pre-vacuum tabletop autoclave with 134°C sterilization

Pre-vacuum tabletop autoclave adopts advanced pre-vacuum technology and high temperature and high pressure steam sterilization principle, which can efficiently sterilize various types of instruments, apparatus and articles, including packages and porous articles.

Pre-vacuum tabletop autoclave not only ensures the thorough sterilization of items, but also has a convenient operation interface and intelligent control system, which meets the European Class B standard and EN13060 safety certification to ensure the safety and efficiency of the sterilization process.

Main Features of Pre-vacuum Tabletop Autoclave

1. European Class B standard and EN13060 certification: the equipment meets the strict European Class B sterilization standard and EN13060 safety test, to ensure that the sterilization process meets international safety requirements.
2. three times pulsation vacuum drying function: the use of three times pulsation vacuum technology, can quickly exclude air and moisture, to ensure that the steam can fully penetrate into the internal instruments, enhance the sterilization efficiency.



3. vacuum degree up to -0.09Mpa: the equipment through the high-precision vacuum system will vacuum degree to -0.09Mpa, to create good conditions for the sterilization process, suitable for complex instruments and items with hollow structure.
4. low humidity sterilization effect: the remaining humidity of the sterilized instruments is less than 0.2%, which ensures that the sterilized items are completely dry and avoids bacterial regeneration and corrosion of the items.
5. full computer intelligent control: using imported 16-bit microprocessor, full computer control system can precisely adjust the temperature, time and pressure to meet the sterilization needs of different instruments.
6. BD and vacuum test program: equipped with BD test and vacuum test program for steam penetration detection to ensure the effectiveness of each sterilization.
7. Uniform heating system: Equipped with jet steam generator to ensure uniform distribution of temperature and pressure in the sterilization chamber, so as to achieve more thorough sterilization effect.
8. Wastewater tank full of water alarm: equipped with wastewater tank full of water alarm system, to avoid wastewater backflow disinfection, to ensure that each sterilization is not contaminated.
9. digital LCD display and fault alarm: clear LCD interface real-time display of the state of the equipment, fault alarm system to ensure that the operator can find and deal with the problem in time.
10. double interlock protection door: double safety interlock design, to ensure that the equipment cavity pressure, the door can not be opened to avoid accidental operation.

11.top-mounted water tank design: top-mounted water tank design, easy to clean and maintain, improve the service life of the equipment and the level of hygiene.

12.built-in printer and USB interface: provide built-in printer and USB interface optional function, can record the sterilization process and date, convenient quality management and data traceability.

Working Principle

The working principle of the pre-vacuum tabletop autoclave is based on the combination of vacuum and high temperature steam. First, the unit rapidly removes air and moisture from the sterilizing chamber through three pulsating vacuums, creating an environment for effective steam penetration. Next, the high temperature saturated steam generated by the jet steam generator is injected into the sterilization chamber to rapidly kill pathogenic microorganisms on the instruments. As the vacuum degree can reach -0.09Mpa , the equipment can fully eliminate the air inside the hollow and complex shaped instruments to ensure that the steam penetrates completely. Upon completion of sterilization, the equipment is automatically cooled and the built-in wastewater tank prevents the return of wastewater through a water overflow alarm system and displays the operating status on an LCD screen to ensure that the user can monitor the operation of the equipment in real time.

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Model	DA5-18M	DA5-23M
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	47kg	50kg