

STEAM STERILIZER (STANDARD)





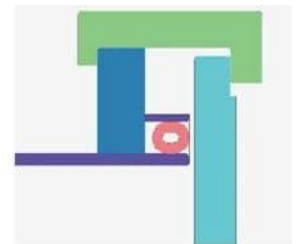
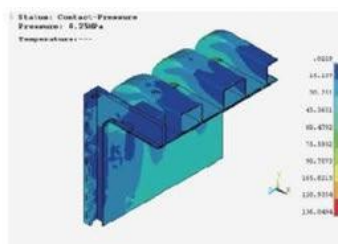
STEAM STERILIZER STANDARD

Product introduction

SMB-DSD-450 is a high-temperature sterilizer which is researched and developed according to the latest requirements of medical institution and CSSD. It is designed and manufactured by referring to latest relative state standards to meet all sterilizing requirements of CSSD. The design of chamber accords with state 881502011, 888599-2008, and European EN285 standard.

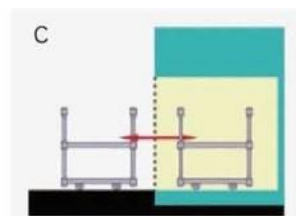
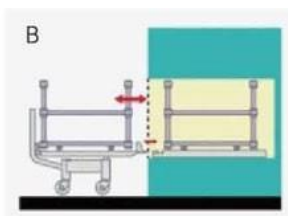
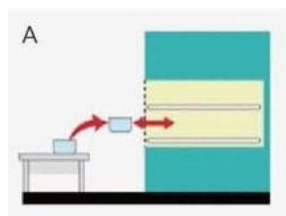
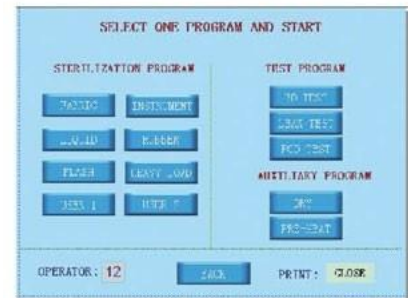
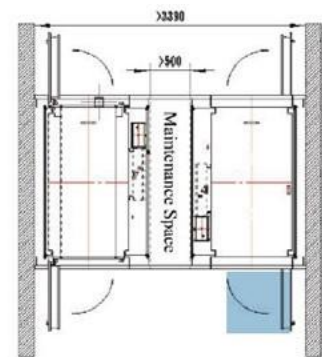
Product features

- Strict and standard manufacture process for product main body. SMB-DSD-450 pulse vacuum sterilizer is welded by welding robot to guarantee the normalization and uniformity of the main body manufacture.
- No welding part on chamber wall. SMB-DSD-450 pulse vacuum sterilizer has none welding part or bolt in the chamber which effectively protects the parcels to be sterilized. The chamber silicon rubber pad which is used to protect the chamber inner wall extends service life.
- Reliable and durable main body. The main body of SMB-DSD-450 pulse vacuum sterilizer is designed according to professional analytical method. The modern high-emulation software ANSYS is used for in body model simulation design. Design service life: 10 years (or 20000 times sterilization)
- Reasonable sealing structure. SMB-DSD-450 pulse vacuum sterilizer adopts durable circular hollow sealing ring which is derived by compressed air.
- intelligent pressure controller between the chamber and jacket. SMB-DSD-450 pulse vacuum sterilizer adopts intelligent pressure controller to guarantee steam pressure and quality.



- Unique vacuum noise-reduction device. SMB-DSD-450 series sterilizer equipped with LNS low-noise and water-saving vacuum system to reduce the operation noise.
- Humanized operation system. To meet user's need on unloading side, SMB-DSD-450 pulse vacuum sterilizer adopts double-screen structure. Both loading and unloading sides have a screen to display sterilizer running status and alarming information.
- Reasonable pipeline layout that realizes single-side repair. SMB-DSD-450 pulse vacuum sterilizer pipeline realizes single-side repair so that the sterilizer can be installed against the wall. Also, two sterilizers can use same repair space to save installation space.
- Multiple sterilizing programs. Compare with traditional sterilizer, SMB-DSD-450 series sterilizer equipped with functions of steam pressure detection and steam saturation measurement. Also, the sterilizer has multiple sterilizing and testing programs such as PCD, rapid , rubber and custom, etc.
- Scientific design parameters, wide scope of application:

Clauses	Chamber	Jacket
Design presser MPa	-0.1/0.3	0.3
Design temperature °C	144	144
Working pressure MPa	0.25	0.25
Working temperature °C	139	139
Operating pressure of safety valve	0.28	0.28



SMB-DSD-450

SMB-DSD	Model instruction
450	Chamber volume (L)
S	Door: S- double door D- single door
D	Steam supply: no marks- outer steam supply D- build-in steam generator S- steam and electric dual-use
A	Installation: A- loading trolley B- transfer trolley C- pit installation
T	Auxiliary order code: no marks- not tailor-made T- tailor-made
L	Configuration classes: L- low end No marks- standard H- high end

Technical parameters

Category	Features for Hospital Sterilizers
Construction & Material	High-grade stainless steel (SS 316 for chamber, SS 304 for piping & jacket), double-walled/jacketed, corrosion-resistant
Chamber & Capacity	Rectangular chamber for high load efficiency, large capacities (100-1,000 liters), smooth polish for easy cleaning
Sterilization Process	Saturated steam at 121°C-134°C, multiple cycles: instruments, textile/linen, rubber/plastics, porous load, liquid cycle
Controls & Display	PLC or microprocessor-based, color touchscreen HMI, programmable cycles, password protection, real-time monitoring
Safety Features	Door safety interlock (cannot open under pressure), automatic pressure & temperature control, emergency stop, alarms for system errors
Water & Steam System	Built-in or external steam generator, pre-vacuum & post-vacuum for air removal and drying, automatic water feed & drainage
Documentation & Traceability	Cycle printout (integrated thermal printer), USB/SD data storage, alarms & fault codes, compliance with EN 285, ISO 13485, CE
Additional Features	Double-door (pass-through) option for CSSD/cleanrooms, HEPA-filtered sterile air inlet for drying, eco energy-saving modes, noise & heat insulation

Note:

1. The order codes mentioned above are only applicable for SMB-DSD-450 pulse vacuum sterilizer (Standard).
2. Net weight: main body, frame, pipeline, transfer trolley (loading trolley), cover, built-in steam generator (packing is excluded).
3. Please read the following order instruction.
4. Please refer to technical instruction for detailed sterilizer configuration.