

MST-V

Compact steam sterilizer
for professional sterilization



Top performance in the smallest space – the MST-V steam sterilizer

The economical yet powerful MST-V meets all the requirements for the professional sterilization of medical devices in the healthcare sector. It is also extremely compact with its vertical sliding door, a width of only 99 cm and a usable volume of 4 to 12 sterilization units (StU).

Model with one or two doors	Carrying capacity StU ¹	Chamber volume Liters	Chamber dimensions H x W x D (mm)	System dimensions H x W x D (mm)
MST-V 6-6-6	4	300	660 x 660 x 700	1,970 x 990 x 1,095 (1,120)
MST-V 6-6-9	6	430	660 x 660 x 1,000	1,970 x 990 x 1,395 (1,420)
MST-V 6-6-12	8	585	660 x 660 x 1,354	1,970 x 990 x 1,750 (1,775)
MST-V 6-6-18 ²	12	880	660 x 660 x 2,000	1,970 x 990 x 2,420

¹ StU = sterile Unit = 300 x 300 x 600 mm ² Only model with two doors, not for the US market



The chamber of the MST-V steam sterilizer is developed and produced in Switzerland.

Measurable quality and reliable processes

The chambers of the Belimed sterilizers are manufactured exclusively in Switzerland and are subject to strict quality testing. They comply with all current standards and guidelines for medical devices, enabling us to guarantee the best possible safety and quality.



No compromise on materials and workmanship

Our approach to safety and quality is guided by our customers' requirements and the applicable guidelines for medical devices. The materials and components from leading manufacturers, combined with state-of-the-art manufacturing technologies, meet the highest quality standards and ensure a long service life.

Safe, reliable and durable

MST-V sterilizers are intended to handle heavy workloads. The well-conceived chamber design and stable door system ensure consistent reliability and a long service life. The high-quality stainless steel piping used throughout the sterilizer is extremely durable, resistant and mechanically stable.

Quality guarantees compliance with standards

Our sterilizers comply with the applicable national and international guidelines for medical devices. Examples of internationally recognized certificates and standards include EN 285, EN ISO 17665-1, EN ISO 13485 and ASME. The manufacturing process is continuously monitored and guided by our quality management staff.

Simple operation and first-class work

Fewer sources of error thanks to intuitive operation

The clear menu structure of the illuminated color display ensures easy operation, and the information on the display is easily visible even when read from an extremely oblique angle.

Save time with automatic start and switch-off

The automatic start means that the heating up of the sterilizer and the daily test routine are carried out before the shift begins. This significantly reduces working times for the operating personnel and maximizes the total throughput of sterilized material.

Deactivation of the sterilizer at the end of the shift saves valuable energy and can also take place fully automatically. In combination with automatic unloading, this means that the final batch can be run with no operating personnel.

The automatic function can be flexibly adjusted to meet the owner's needs, as well as being optimally adapted according to the shift schedule.

Hygienic design for perfect cleaning

The continuous stainless steel surface, combined with glass and high-quality HI-MACS® material, meets the highest hygienic requirements and allows for efficient cleaning.

Process status visible from a distance

Important information, such as the remaining running time, readiness for loading or unloading and warning messages, is displayed via the patented process status display.



Sparing use of resources, economical operation



Water-saving process technology

Belimed process technology ensures that the MST-V sterilizer achieves maximum economic efficiency. The innovative technology significantly reduces water consumption or allows for a higher inlet temperature of the cooling water, with the corresponding energy savings. An additional reduction in consumption is achieved by the water-saving system of the integrated and extremely low-noise water ring vacuum pump.

Efficient and safe handling thanks to the integrated Bowie-Dick test

The electronic Bowie-Dick test can be integrated into the sterilizer on request. This eliminates the need for manual operation with alternative testing systems with chemical indicators and additional documentation, and helps to ensure high process security.

Testing can be activated automatically and run entirely independently before the start of a working day, thereby saving valuable time.

Durable door seals with a service life that is six times longer

The all-silicone door seal with a milled precision seal frame made of 1.4404 stainless steel has a significantly longer service life than comparable facilities. Maintenance is quick and easy. The seal can be pushed out of the frame at the touch of a button and sucked back in again using the vacuum system for insertion.

Efficient loading and unloading thanks to automated processes

With a versatile range of auxiliaries, the level of automation of the sterilizer can be adapted to your individual needs to ensure optimal process flow.

Automatic loading and unloading for an optimized workflow

Automation elements for loading and unloading as well as accumulation lines allow for continuous use of the sterilizers.

When using two half batch carts, a shorter automation element can be used in combination with a transport cart to save valuable space.

No waiting for the final batch

Thanks to the automatic switch-off and unloading, the final batch is sterilized and removed after the end of the shift.

Extensive auxiliaries

- Automatic loading and unloading systems
- Accumulation lines
- Return locks
- Return doors
- Transport logistics





Transparency and seamless documentation

Quick and easy:

Batch documentation with integrated printer

Key batch data are printed out via the standard integrated printer, making it possible to meet the basic requirements in terms of documentation with no additional software.

Compatible with all instrument tracking systems (ITS)

SmartHub can be used to report the successful completion of a sterilization cycle via highly configurable batch files that are proven to be compatible with the most popular instrument tracking systems on the market.

SmartHub for a fully digital CSSD

SmartHub paves the way to a fully digital CSSD. It also ensures that all relevant data are captured and stored in real time from each Belimed device, either via an instrument tracking system or in the form of an easy-to-read PDF file. The dashboard allows you to view the duration and progress of the individual cleaning and sterilization programs and their program phases at any time.



Programs and technical data

The type-tested standard programs enable sterilization of instruments, textiles and porous sterilization material. We place particular emphasis on safe handling of the items, short batch times and optimum drying with the lowest possible consumption of energy and operating materials.

Extract from standard programs

- | | | |
|--------------------------------------|--------|---|
| · Instruments, textiles | 134 °C | Warming up and test programs |
| · Instruments difficult to de-aerate | 134 °C | |
| · Porous materials | 125 °C | |
| · Plastics | 121 °C | |
| | | · Warm-up program |
| | | · Vacuum test |
| | | · Bowie-Dick test |
| | | · Integrated Bowie-Dick test |
| | | · Function test, integrated Bowie-Dick test |

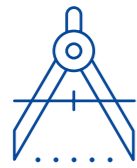
Chamber volume StE ¹	Model		Chamber dimensions H x W x D (mm)	External dimensions H x W x D (mm)	Loading height (mm)
	One-door	Two-door			
4	6-6-6 VS1	6-6-6 VS2	660 x 660 x 700	1,970 x 990 x 1,120 (1,095) ²	785
6	6-6-9 VS1	6-6-9 VS2	660 x 660 x 1,000	1,970 x 990 x 1,420 (1,395) ²	785
8	6-6-12 VS1	6-6-12 VS2	660 x 660 x 1,350	1,970 x 990 x 1,775 (1,750) ²	785
12	—	6-6-18 VS2	660 x 660 x 2,000	1,970 x 990 x 2,420 (2,395) ²	785

¹ StE = sterilization unit = 300 x 300 x 600 mm

² Dimensions of the one-door model

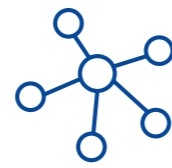
Belimed supplies systematic solutions

The steam sterilizer MST-V is the machine for efficient reprocessing in your CSSD. As Engineers of Confidence, we at Belimed think even further than that and offer a perfectly tailored approach in the areas of planning, technology and service.



Belimed Blueprint

The planning and design team develops tailor-made solutions for various needs, goals and space requirements – from analysis to installation.



Belimed Connect

Our digitalization portfolio enables us to guarantee seamless documentation of automatic cleaning, disinfection and sterilization thanks to complete connectivity.



Belimed Prevent™

With our service packages, we offer preventive maintenance and provide you with comprehensive support. Our focus is on ensuring your success.



Belimed Academy

The training we provide enables us to pass on the knowledge needed by our customers and partners for efficient use of their CSSD.



Matching auxiliaries

Matching options, batch carts and auxiliaries provide you with even greater flexibility.

The MST-V in brief

The especially space-saving MST-V steam sterilizers are optimized for the sterilization of medical devices in the healthcare sector.

Powerful and compact

- Space-saving integration with a width of 99 cm and a capacity of 4 to 12 sterilization units
- Frontal maintenance access allows for the installation of multiple adjacent sterilizers
- Sterilization and test programs preset as standard, plus further individually adjustable programs

Easy, time-saving handling

- Comfortable and easy operation
- Automatic start and standby function enables test programs to be run before work begins
- Integrated electronic Bowie-Dick test reduces personnel, time and documentation complexity as well as consumable materials
- Patented LED process status display guarantees a clear overview of key process information at all times

Economical use of resources

- The standard integrated water-saving system with a highly efficient vacuum pump ensures low water consumption
- Optional connection to the building's cooling circuit reduces water consumption by a further 95 percent

Automated loading and unloading

- Optimized processes without waiting times due to automatic loading and unloading systems
- Ergonomic transport cart
- One and two-door return elements, with optional accumulation line

Seamless connectivity

- Complete documentation of process data
- Digital networking via SmartHub
- Connection to dashboards for a clear display of the current process steps on external monitors

Visit us at belimed.com



Headquarters

Belimed AG
Grienbachstrasse 11
6300 Zug
+41 41 449 78 88
info@belimed.com



5320.711.019_2023.08 Subject to changes

CE 0044

Belimed
Infection Control

Engineers of Confidence.