

MST-V

Compact steam sterilizer for
professional sterilization

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

The economical and 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).

An optimal component layout allows all maintenance to be performed from the loading side, ensuring a space-efficient installation.

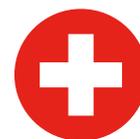


Model	Carrying capacity (StU*)	Chamber volume (liters)	Loading height (mm)	Chamber dimensions H x W x D (mm)	System dimensions H x W x D (mm)
MST-V 6-6-6	4	300	790	660 x 660 x 700	1,970 x 990 x 1,120 (1,095)***
MST-V 6-6-9	6	430	790	660 x 660 x 1,000	1,970 x 990 x 1,420 (1,395)***
MST-V 6-6-12	8	585	790	660 x 660 x 1,354	1,970 x 990 x 1,775 (1,750)***
MST-V 6-6-18**	12	880	790	660 x 660 x 2,000	1,970 x 990 x 2,420

*StU = Sterile Unit = 300 x 300 x 600 mm

** Not available in the U.S.

*** Depth of single door version



The chamber of the steam sterilizer is developed and manufactured in Switzerland and comes with a 15-year warranty.

Measurable quality and reliable processes

The chambers of Belimed sterilizers are manufactured exclusively in Switzerland and are subject to strict quality testing. They comply with all current standards and our guidelines for medical devices, ensuring the highest levels of safety and quality.



No compromise on materials and workmanship

Our commitment to safety and quality is driven by customer requirements and by the strict guidelines for medical devices. Using premium materials and components from leading manufacturers, combined with state-of-the-art production technologies, we ensure the highest quality standards and long-lasting performance.

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. To underline our commitment to quality, all our chambers come with a 15-year warranty.

Quality Ensures Compliance

Our sterilizers comply with all relevant standards for medical devices, including EN 285, and are manufactured under an EN ISO 13485-certified quality management system. This provides operators with a solid technical foundation for the successful validation of sterilization processes according to EN ISO 17665-1.

User-friendly and efficient

For even greater user comfort, the clear menu navigation and the illuminated 5.7" color display provide intuitive operation. Each touch function key, activated with a simple touch, is confirmed by an audible signal.

Hygienic Design for Perfect Cleaning

The seamless stainless steel surfaces, combined with glass and high-quality HI-MACS® material, meet the highest hygiene standards and enable efficient cleaning.

Programs

The type-tested standard programs allow the sterilization of instruments, textiles, and porous loads. Special attention is given to the safe handling of the items, short cycle times, and optimal drying, while minimizing energy and resource consumption.

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.



Time savings through automatic start and shutdown

With automatic start, the sterilizer can heating up and complete its daily test routine before the start of regular operations. This reduces staff workload and increases the overall throughput of sterilizable items.

Automatic shutdown at the end of the shift saves valuable energy and can be performed fully automatically.

In combination with automatic unloading, the last batch can run without any staff supervision.

The automation functions can be flexibly adapted to the customer needs and seamlessly integrated into the workflow of the CSSD.

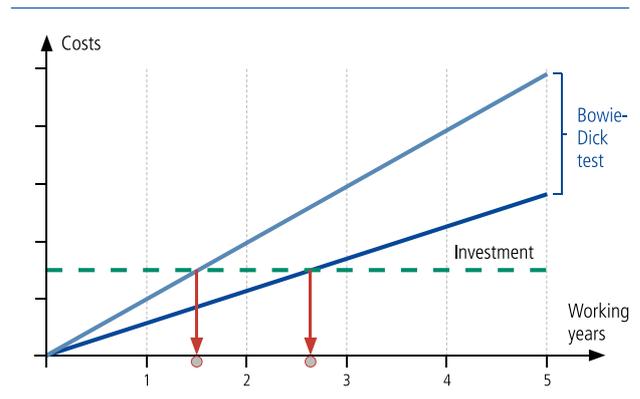


Efficient use of resources and cost-effective operation

Efficient and safe operation with integrated electronic Bowie-Dick test

Our optional electronic Bowie-Dick test system can be fully integrated into the sterilizer, eliminating the need for manual testing with external electronic systems or chemical indicators.

The test cycle can be started automatically and runs independently before the start of routine operation. This ensures reliable performance and saves valuable time in daily operations.



Return of Investment integrated Bowie-Dick test

Water-saving process technology

With Belimed's advanced process technology, the MST-V sterilizer achieves maximum efficiency and cost-effectiveness. The innovative design significantly reduces water consumption. By optionally connecting the unit to the facility's cooling circuit, water usage can be reduced by up to 95%.

Further savings are achieved through the integrated, ultra-quiet water ring vacuum pump with a water-saving system, combined with the standard gas jet.



Durable door seal

The solid silicone door seal, guided within a precision-milled sealing frame made of chrome-nickel steel, offers a significantly longer service life compared to steam-activated sealing systems.



Durable door seal made made of solid silicone

Steam supply



Integrated steam generator



External steam generator

Highest clean steam quality with integrated degassing

Equipped with a standard integrated feed water tank that removes non-condensable gases, Belimed steam generators guarantee the highest clean steam quality, ensuring safe and efficient sterilization.

Flexible clean steam supply for efficient sterilization

To optimally meet the different needs in the CSSD, the following clean steam supply options are available:

- Electrically heated steam generator – available as an internal or external version
- Steam-heated steam generator – available as an internal or external version
- Connection to an external clean steam supply

Steam switchover for maximum availability

This allows the system to switch seamlessly to the built-in steam generator whenever maintenance is required or the external clean steam supply is unavailable, ensuring uninterrupted operation.

Model	Power (kW)	Sterilizer	Internal Version	External Version
Electrically heated steam generator ELD 30	30	MST-V 6-6-6 / 6-6-9	✓	
Electrically heated steam generator ELD 45	45	MST-V 6-6-12	✓	
Electrically heated steam generator ELD 60	60	MST-V 6-6-18	✓	
Electrically heated steam generator ELD 90	90	–		
Electrically heated steam generator WTD 30	30	MST-V 6-6-6 / 6-6-9	✓	✓
Steam-heated steam generator WTD 45	45	MST-V 6-6-12	✓	
Steam-heated steam generator WTD 60	60	MST-V 6-6-18	✓	
Steam-heated steam generator WTD 90	90	–		

Transport System

The loading and unloading system ensures fast, safe, and efficient transport of sterilizable goods and enables a smooth and optimized workflow.

Loading

The automatic loading process starts automatically from the queue line or transport cart, requiring no operator supervision.

Unloading

Once the sterilization cycle is complete, unloading begins automatically, again without any manual intervention.

Since neither loading nor unloading requires supervision, staff can focus on other tasks, increasing efficiency within the CSSD. In combination with the automatic shutdown function, the unloading automation also enables fully autonomous operation of the final cycle.

Modular Design

The transport system features a modular design that can be configured and adapted to individual needs.

Configurations

The following configurations are available:

1. Automatic loading
2. Automatic loading with queue line
3. Automatic unloading
4. Automatic unloading with queue line
5. Automatic loading and unloading
6. Automatic loading and unloading with queue line

Robust and reliable design

The transport system has been engineered with a strong focus on durability to ensure fast and reliable loading and unloading of the sterilizer.

Its intelligent drive system enables smooth acceleration, high loading speed, and gentle stopping for safe and precise operation.

System overview

1. Automatic loading/unloading unit
2. Queue line
3. Batch cart
4. Transport cart



Components

Automatic loading/unloading unit

The automatic loading/unloading unit is used to automatically load and unload the chamber directly from the transport cart.



Queue line

The queue line provides an additional parking position for a batch cart, allowing the transport cart to be uncoupled during the loading and unloading process and used for other purposes.



Transport cart

The transport cart is used to move the batch cart and can be connected to the sterilizer, the automatic loading/unloading unit, or the queue line. The large wheels ensure an easy maneuvering, even when fully loaded. The large, ergonomically accessible locking lever allows a convenient docking and securing of the transport cart.



Batch cart

The batch cart is designed for loading the sterilizer with items to be sterilized. The shelves can be easily adjusted in height without tools, and additional shelves can be added or removed as required.



Dimensions

Description	Dimensions (mm)				Loading height (mm)
	H x W	Model 6-6-6 D	Model 6-6-9 D	Model 6-6-12 D	
Automatic loading/unloading unit	830 x 638	989	1,239	1,614	790
Queue line	831 x 638	848	1,148	1,613	790
Batch cart	1,000 x 637	890	1,190	1,565	790
Transport cart	563 x 600	655	955	1,330	–



Basket Feeder

Simpler, faster, and more efficient: The Belimed basket feeder system allows direct loading of the sterilizer with stackable containers or baskets without the need for a batch cart.

More space where it counts

By eliminating the need for a return gate, the CSSD benefits from additional usable space.

Higher efficiency

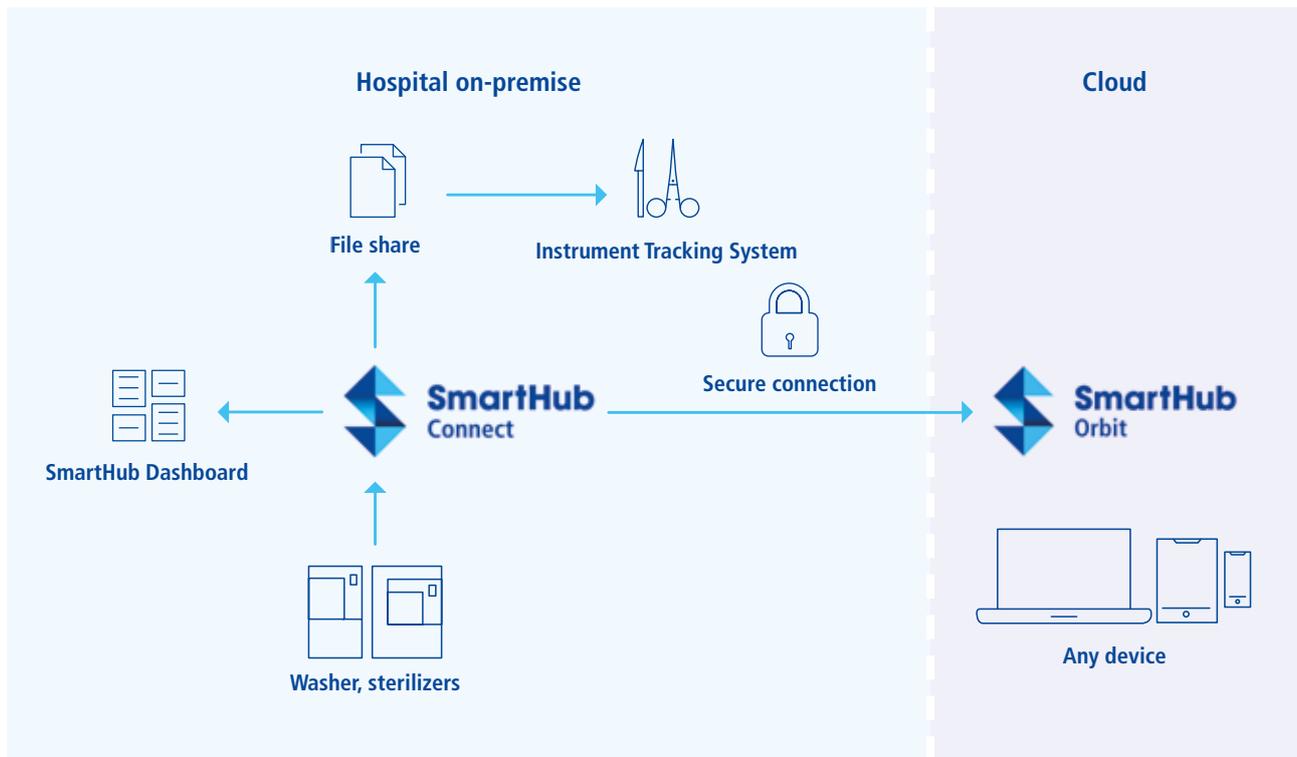
Since no batch cart is required, the entire chamber space is available for the sterilization load. This saves space and reduces energy consumption, ensuring maximum efficiency in every cycle.

Flexible use according to your needs

Available in a fixed-height version or as an electrically height-adjustable model for ergonomic operation.

Model	Dimensions H x W x D (mm)	Loading height (mm)
Basket feeder transport cart 6-6-6	1,148 x 612 x 1,076	790
Basket feeder transport cart 6-6-9	1,148 x 612 x 1,326	790
Basket feeder transport cart 6-6-12	1,148 x 612 x 1,626	790
Basket feeder electrically height-adjustable transport cart 6-6-6	1,148 x 612 x 1,076	550 to 880
Basket feeder electrically height-adjustable transport cart 6-6-9	1,148 x 612 x 1,326	550 to 880
Basket feeder electrically height-adjustable transport cart 6-6-12	1,148 x 612 x 1,626	550 to 880





Transparency and comprehensive documentation

SmartHub for a fully digital CSSD

SmartHub from Belimed is our overall approach for a completely digital CSSD. All relevant process and device data from the connected Belimed devices are recorded in real time, stored in SmartHub and published in the form of a structured and clearly displayed batch report. The required data is also made available to the connected instrument management system. All device data is converted into information and valuable insights in the SmartHub Orbit web application. This gives CSSD managers full control and simplifies workflow.

Quick and easy:

batch documentation with integrated printer

The standard integrated printer can also be used to create batch documentation for the connected devices, which means that the basic requirements of the operator's documentation obligation are met.

Compatible with any instrument tracking system (ITS)

SmartHub enables the connection with the higher-level instrument tracking system. The batch data stored in the SmartHub is transferred via suitable interfaces and further processed there for this purpose. It is compatible with the most common sterile good and instrument management systems.



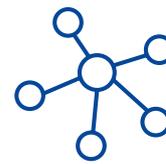
Belimed supplies systematic solutions

The MST-V steam sterilizer is the key device for efficient reprocessing workflows in your CSSD. At Belimed, as Engineers of Confidence, we go further by providing fully integrated services in planning, technology, and support.



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 networking options guarantee complete documentation of mechanical cleaning, disinfection and sterilization.



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

We are happy to share our extensive expertise through dedicated training programs for our customers and partners.



Matching auxiliaries

With optional equipment for enhancing the standard devices and our extensive range of auxiliaries, we offer a high level of flexibility when it comes to implementing your projects.



Complete solutions

As a provider of complete solutions for CSSDs, Belimed also supplies high-quality auxiliaries in addition to cleaning and sterilization devices. These range from work tables for pre-cleaning and preparation to fully equipped packaging areas and sterile goods storage systems.

Overview of the MST-V

The compact MST-V steam sterilizers are perfectly optimized for the safe and efficient sterilization of medical devices in healthcare environments.

Powerful and compact

- Space-saving integration with a width of 99 cm and a capacity of 4 to 12 StU
- Frontal maintenance access allows for the installation of multiple adjacent sterilizers
- With a loading height of just 790 mm and an optimally positioned control panel, the system enables ergonomic, back-friendly operation.
- 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%

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



Switzerland (Headquarters)

Belimed AG

Grienbachstrasse 11

6300 Zug

+41 41 449 78 88

info@belimed.com



5320.711.018_2025.11 Subject to change

CE 0044

Belimed
Infection Control

Engineers of Confidence.