

Sterilization – fast, professional and reliable



MST-H: Hospital sterilizer with automatic horizontal sliding door.
Flexible solutions for the Central Sterile Supply Department

Innovation and experience

With over 2000 sterilizers installed worldwide in leading hospitals, laboratories and the pharmaceutical and biotechnology sectors, Belimed possesses the experience and knowledge to efficiently solve problems in both the Central Sterile Supply Department and the sub-sterile areas.

By an ongoing process in developing their products and the further development on the basis of customer needs, in line with the most recent guidelines and directives, Belimed has ensured that their products meet current and future market requirements, thus meeting the ever-more stringent demands applicable to sterilization processes.

Innovative

We constantly match our services to your needs and invest in developments and new technologies of the next generation. This allows us to meet your needs optimally in the future.

Optimum quality

Careful selection of the materials together with our high-level production technologies allow us to manufacture products featuring long life and minimal maintenance costs. By now, Belimed has maintained a sophisticated Quality Management System for years and is certified to ISO 9001. Our equipment complies with all requirements such as those of EN 285, ISO 17665, EN 46001, TÜV, ASME and FDA.

Belimed sterilizers – benefits for you at a glance:

- Long-life
- Ergonomical
- Safe to operate
- System-orientated
- User-friendly
- Suitable for networking



Centre of competence for sterilization, Sulgen/Switzerland





Easy operation, automatic documentation

The operator's day-to-day work must be made as simple as possible. Our touchscreen operator interface offers maximum convenience and has been developed on the basis of operator experience.

The modern touchscreen technology ensures clear and easy operation. Sophisticated management of user access rights ensures high operational safety and minimum margin of error.

All relevant parameters of a sterilized batch are recorded and printed out in clear form – either texts or graphics – to ensure optimum traceability.



*Touch Operating Panel
TOP 5000 with integrated printer*



Applications and standard programs

The optimized and validated standard programs allow treatment of instruments, textiles and rubber articles. We attach particular importance to safe handling of the goods, short batch times and optimum drying with minimum energy and resource consumption.

The required test programs such as the Bowie-Dick test, vacuum test or heating programs, are available for the routine test of the sterilizer functions.

The program parameters (number of fractions, switching points, sterilization temperatures, sterilization and drying times etc.) can be matched to the customer-specific needs.

An excerpt from our standard programs

Program/Temperature	Application	Sterilization time (min)	Drying time (min)
FRVV-VMT/134°C	Solid materials to be sterilized: <ul style="list-style-type: none"> • Packaged instruments • Empty glass containers • Empty metal containers 	3–5	20
FRVV-VMT/134°C	Materials to be sterilized from which air cannot be easily displaced <ul style="list-style-type: none"> • Textiles 	3–5	6
FRVV-VMT/121°C	Porous materials to be sterilized: <ul style="list-style-type: none"> • Rubber articles 	20	6
FRVV-VMT/134°C	134°C special	3–60	6
Test programs and utilities			
VOVV-VMT/134°C	Heating program	3–5	3
Vacuum test		–	–
Bowie-Dick test		3.5	3

Quality and function

Optimum

Well thought-out designs and the professionalism of our experts in Switzerland guarantee high-tech chamber construction. The high quality level is based on facts: ruggedness of the doors and their actuating system, precision groove for guidance of the solid silicone seal with a long service life, use of high-quality materials in conjunction with ultra-modern production technology.

Easy service and maintenance

The high-quality stainless steel piping is arranged to always ensure clarity and easy service.

Reliable process guidance

Precision and stability of the temperature sensors and pressure transducers in conjunction with precise control systems, are indispensable in order to achieve the required level of safety and reproducibility of the sterilization process. Our own software is developed, documented and validated on the basis of the latest quality standards.



Sealing frame made of solid stainless steel



Good accessibility of servicing and maintenance compartment

Wide range of accessories

An extensive range of accessories is available for the sterilizers. The transport trolleys feature a rugged, ergonomic design. A simple coupling ensures correct positioning in front of the sterilizer chamber. The batch trolleys are easy to load, easy to move and feature ruggedness and a long life. They are as well matched to the size of the sterilizer.

Automatic loading and unloading system

An entire series of modular elements is available for a largely automated operation of the sterilizer: automatic loading and unloading units, with or without accumulating sections of various sizes and return locks of either single or two-door design.

Extensive solutions

- Transport trolley
- Batch carts
- Pull-out trays
- Automatic loading and unloading units
- Return locks
- Electrical steam generator
- Clean steam generator – steam-to-steam converter
- Sump base
- Air detector
- Liquid programs



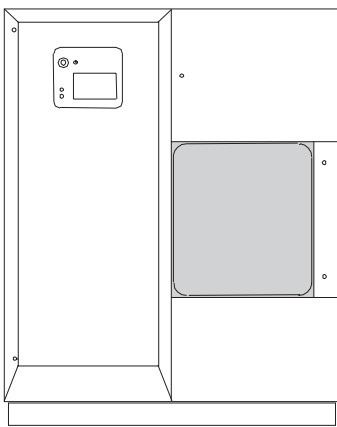




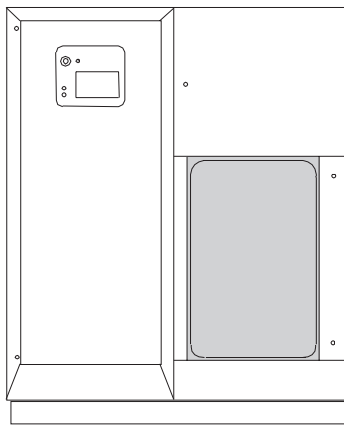
Size and design diversity

The right solution for all fields of application: Belimed sterilizers offer maximum flexibility with an effective volume of 4 to 18 StE.

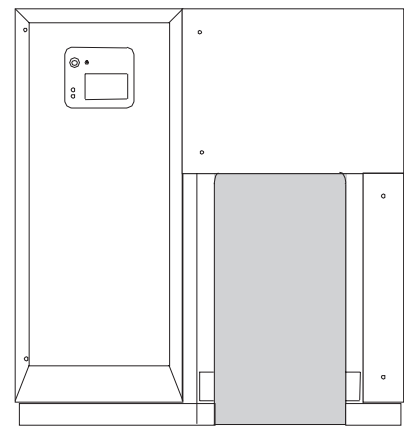
Versions with horizontal door movement



Version A



Version B



Version C

Chamber volume StE ¹	Model		Chamber dimensions (H x W x D) (mm)	System dimensions (H x W x D) (mm)	Loading height (mm)	Version
	Single-door	Two-door				
4	6-6-6 HS1	6-6-6 HS2	750 x 660 x 740	2000 x 1600 x 980 (1000) ²	650	A
6	6-6-9 HS1	6-6-9 HS2	750 x 660 x 1040	2000 x 1600 x 1280 (1300) ²	650	A
8	6-6-12 HS1	6-6-12 HS2	750 x 660 x 1400	2000 x 1600 x 1660 (1680) ²	650	A
9	9-6-9 HS1	9-6-9 HS2	1080 x 660 x 1040	2000 x 1700 x 1280 (1300) ²	350	B
12	9-6-12 HS1	9-6-12 HS2	1080 x 660 x 1400	2000 x 1700 x 1660 (1680) ²	350	B
15	9-6-15 HS1	9-6-15 HS2	1080 x 660 x 1700	2000 x 1700 x 1960 (1980) ²	350	B
18	9-6-18 HS1	9-6-18 HS2	1080 x 660 x 2000	2000 x 1700 x 2260 (2280) ²	350	B
9	GR 9-6-9 HS1	GR 9-6-9 HS2	1230 x 660 x 1100	2000 x 1900 x 1600 (1620) ²	0	C
12	GR 9-6-12 HS1	GR 9-6-12 HS2	1230 x 660 x 1400	2000 x 1900 x 1900 (1920) ²	0	C
15	GR 9-6-15 HS1	GR 9-6-15 HS2	1230 x 660 x 1700	2000 x 1900 x 2200 (2220) ²	0	C
18	GR 9-6-18 HS1	GR 9-6-18 HS2	1230 x 660 x 2000	2000 x 1900 x 2500 (2520) ²	0	C

¹ 1 StE = 300 x 300 x 600 mm

² Dimensions of the two-door version



Our services extend from the initial consultancy to IQ (Installation Qualification), OQ (Operating Qualification) and PQ (Performance Qualification).

Services for added value

Belimed's integral service package extends well beyond installation and maintenance.

Our range of systematic services also includes training of CSSD staff, conversion of existing installations, bridging capacity bottlenecks with mobile cleaning and sterilization units and both qualification and validation services.

Professional advice

The aim of our consulting activities is to offer you a performance package tailored to meet your needs.

Engineering services

We assist you from the pre-project phase through to systems acceptance and aftersale service.

Test lab

Our fully equipped test lab can be used for your specific tests. Our specialists can assist you with their knowledge and experience.

Installation and commissioning work

Installation and commissioning work is performed by our specially trained servicing technicians.

Validation

We perform validations in accordance with EN 554/EN ISO 17665 and your specifications. The documentation confirms that the systems fully meet the requirements of the Medical Product Directives.

Maintenance and support

When the system is in operation, you can benefit from all our support services. From telephone advice and telemaintenance by modem up to technician service calls to your premises.

Mobile station for sterilization and cleaning

Our mobile stations are fully equipped with sterilizers and cleaning machines. Production bottlenecks can be coped with during facility remodeling without major investments.

Training courses and seminars

We regularly hold training courses and seminars on our fully equipped premises. Please ask our agents for information.

Conversion of existing systems

We can convert existing, old sterilization systems and make their piping, control system and operator-control system state-of-the-art.



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