

# Selectomat<sup>®</sup> SL

Standard Line - Steam Sterilizer



Steam sterilizer for the  
reprocessing of medical devices

## Ease of use – solid performance

MMM is a leading supplier of hospital sterile processing equipment worldwide. For good reasons: Our machines stand out not only for their high quality and long life. For more than six decades, MMM has proved to be a reliable partner to their clients – no matter where you are or when you need our help. That is why we exactly know what you need for your daily sterilization tasks. Based on our longstanding experience, we have developed the Selectomat® SL, an innovative Standard Line steam sterilizer to meet the regular requirements of a hospital, which will convince you both with its wellknown high MMM quality and reasonable costs in investment, operation and service.

### Certified quality

All MMM Sterilizers of the Selectomat® SL series are manufactured in compliance with all European legal requirements necessary to bear the CE label (according to e.g. 93/42/EEC as amended by directive 2007/47/EC, 97/23/EG as amended by 2014/68/EU, 2011/65/EC). MMM sterilizers comply with strict European and international technical standards (e.g. EN 285) and meet the highest demands for quality and safety.

### Easy recording

Steam sterilizers of the Selectomat® SL series are available in a great variety of chamber sizes ranging from 148 to 1.490 litres and with a multitude of useful features. All important parameters of the sterilization process are measured redundantly and separately from the machine control system and recorded accordingly. The integrated batch printer then produces the detailed batch protocol, which serves both for the control of the sterilization safety and as proof in terms of European quality standards.

### Steam Manager

The optional MMM Steam Manager controls the program running cycles of multiple sterilizers so that steam is uniformly extracted from the supply network to prevent peaks in steam consumption. This enables downsizing of the steam supply system, thereby reducing investment and media costs.

## Technical features

### Resource management

Optimized program cycles and the use of components with low consumption guarantee a high operating efficiency. By means of the integrated water saving system and the specific preheating device of the chamber, we have managed to realize an innovative resource management in the Selectomat® SL. It allows you to reduce the consumption of power and water by up to 80 % compared to similar machines.

### Designed for reliability

Selectomat® SL has been designed to meet the highest demand in terms of economy, functionality and user-friendliness. The sterilization chamber is made of high quality stainless steel (AISI 316 Ti and AISI 316 L) and is a warranty for the sterilizer's longevity and robustness in a hard day-to-day business. It's efficient insulation helps to reduce the loss of heat to a minimum and to save operating costs at the same time.

### Independent steam supply

The integrated electric steam generator of Selectomat® SL sterilizer makes steam sterilization independent from the steam supply on site. Its high performance and the thermal degasification device lead to excellent steam quality and short cycle times. The result: fast sterile throughput and ideal operating cost efficiency.

### Clear menu guidance

The ergonomically integrated 8.4" touch screen makes operation extremely easy. The program menus are clearly laid out and mostly self-explanatory. All relevant parameters such as temperature, pressure and remaining cycle time are displayed during the on-going cycle run.

### Extensive program variety

Apart from standard programs for the sterilization of solid and porous goods at 134°C or 121°C, Selectomat® SL offers special programs for the treatment of prions and for disinfection at 105°C. A further 7 programs can be adjusted individually to your specific requirements.



### Great loading options

Special trays, containers, insert racks and loading trolleys tailored to fit the various models of Selectomat® SL allow optimized utilization of the chamber volume and facilitate chamber loading and unloading with different goods.



# Selectomat® SL

Ease of use - solid performance

## Technology

- Integrated electric steam generator with automatic scouring device
- Water saving vacuum pump
- Special chamber jacket for improved chamber preheating and reduction of demineralized water consumption
- Ceramic bead blasted inner chamber walls
- Touch screen 8.4"
- Display of remaining cycle time
- Sterilization chamber, doors and heated chamber jacket are made of high quality CrNiMo steel (AISI 316 TI / AISI 316 L)
- Low-noise thermo-printer for batch documentation
- RS 232 interface

## Key options and accessories

- Condensate cooling device
- Stainless steel valves
- Additional pressure gauge on loading and unloading side
- Warm-up function
- Tropical execution
- Special voltage
- Chamber inserts
- Chamber inserts for trolley docking
- Steam generator electric heated
- Steam switch FD / ED
- Polished chamber Ra = 0.125um
- SST Valves and fittings
- Condensate cooling down
- Feed water degassing
- Air detector
- Steam manager
- Media monitoring
- Chip card reader
- 16 GB chip card



## Sterilization programs

- **Preheating 134° C**  
Short-time preheating program
- **Universal 134° C**  
Wrapped devices, sterilization time: 7 min
- **Universal Container 134° C**  
Wrapped devices with super drying, sterilization time: 7 min
- **Rubber 121° C**  
Wrapped devices made of glass, rubber or plastics, sterilization time: 20 min
- **Tools fast**  
Unwrapped devices, sterilization time: 4 min

### Optional:

- **Prions 134°C**  
Sterilization time: 60 min
- **Disinfection 105°C**  
Disinfecting time: 20 min
- **Solutions 121°C**  
Liquids in open bottles, sterilization time: 20 min

### Test programs

- **BD test 134° C**  
Steam penetration test, holding time: 3.5 min
- **Vacuum test**  
Air leakage test, checking the tightness of the entire system
- **Service**  
Service program for easy control and maintenance

Further programs can be set to customer requirements. Customized programs can be stored on chip cards and entered by means of the chip card reader integrated in the operating panel. For the sterilization of medical devices, the selected process must be validated.

## Transport trolley and loading carts

Type	V Chamber							H Chamber				
	446	559	636	666	669	6612	6618	969	9612	9615	9618	9621
Transport cart	•	•	•	•	•	•	•	•	•	•	•	•
Transport cart half size							•	•	•	•	•	•
Loading cart with one or two shelves	•		•									
Loading cart universal with 2 shelves		•		•	•	•	•					
Loading cart universal with 3 shelves								•	•	•	•	•
Loading cart half size							•	•			•	•
Loading cart special				•	•							
Additional shelves for loading cart universal		•		•	•	•	•	•	•	•	•	•

## Dimensions Selectomat® SL

Type	1 door	2 door	Capacity in StU	Chamber dimensions in mm (H x W x D)	External dimensions in mm (H x W x D)	Chamber volumen in lt.	Electrical power (kW) ED / FD	Weight in [kg] ED / FD
<b>Vertical door opening</b>								
446 V	•	•	1	480 x 450 x 700	1918 x 1200 x 970	148	24.5 / 2	770 / 720
559 V	•	•	*	509 x 509 x 990	1918 x 1200 x 1290	254	24.5 / 2	920 / 860
636 V	•	•	2	670 x 350 x 700	1918 x 1000 x 990	160	24.5 / 2	770 / 720
666 V	•	•	4	700 x 650 x 690	1918 x 1300 x 990	314	36 / 2	1100 / 920
669 V	•	•	6	700 x 650 x 990	1918 x 1300 x 1290	453	47 / 2	1200 / 1020
6612 V	•	•	8	700 x 650 x 1340	1918 x 1300 x 1640	610	48 / 3	1400 / 1220
6618 V	•	•	12	700 x 650 x 1940	1918 x 1300 x 2240	885	66 / 4	1600 / 1400
<b>Horizontal door opening</b>								
969 H	•	•	9	1000 x 650 x 990	1918 x 1900 x 1290	647	48 / 4	1400 / 1250
9612 H	•	•	12	1000 x 650 x 1340	1918 x 1900 x 1640	868	66 / 4	2000 / 1800
9615 H	•	•	15	1000 x 650 x 1640	1918 x 1900 x 1940	1060	76 / 4	2000 / 1800
9618 H	•	•	18	1000 x 650 x 1640	1918 x 1900 x 2240	1260	76 / 5	2000 / 1800
9621 H	•	•	21	1000 x 650 x 2300	1918 x 1900 x 2600	1490	- / 5	- / 2900

- Loading height: V = 850 mm / H = 360 mm
- Height incl. 100 mm base
- For single-door devices subtract 20 mm from depth
- ED = with built-in electrical steam generator
- FD = with house steam supply
- weight applicable for two-door devices

\*The dimensions are not standardized for the container system.

Technical specifications subject to change without notice.



## Logistics and manual handling

The transport trolleys can also be combined with automatic sliding windows or passing-through hatches for return of the loading carts from the sterile to the non-sterile side.



## MMM customer service: Efficient and reliable

Our knowledgeable service organization is available to you around the clock, ensuring long-lasting, trouble-free operation of the installed systems. Thanks to our branches and representative offices optimally distributed world wide, we are always nearby and can very quickly be on site in case of an emergency.

The sophisticated and innovative design of our systems and devices makes it in many cases possible to quickly rectify functional impairments with a remote diagnosis by qualified personnel. On the basis of professional maintenance planning, we guarantee you the highest degree of availability of your systems.

It is our goal, however, to ensure that no problems occur. We do not hand over the systems to you until everything is running flawlessly, all programs have been validated and accepted in accordance with your individual items to be cleaned, and the operating personnel have been trained in the use of our systems.

In addition to performing maintenance and repair, we also make sure that the installed systems are up-to-date. With tailored solutions for adaptation to changed situations, for optimization of consumable materials and for continuous adjustment to individual needs and legal requirements, the service life and cost-effectiveness of the systems are increased and the investment is secured.

- Maintenance planning
- Inspection and maintenance
- Repair
- 24-hour hotline
- Spare parts logistics – 24-hour service
- Upgrade service
- Process validation
- Training & Education





#### MMM Group

MMM has been operating worldwide as one of the leading system providers in the service of health since 1954. With a complete range of products and services relating to all aspects of cleaning, disinfection and sterilization systems for the areas of **Healthcare** and **Life Science**, MMM has positioned itself as a crucial quality and innovation driver in the German and international

market. Our products are individually adapted to the requirements of our customers all over the world. The high vertical range of manufacturing in our production plants ensures that we fulfil the strictest demands of quality in the medical technology sector. More than 1100 employees apply their expertise and dedication to the mission of the MMM Group: **Protecting human health.**



MMM Münchener  
Medizin Mechanik GmbH  
Sammelweisstraße 6  
82152 Planegg / Munich, Germany  
Phone: +49 89 89918-0  
Fax: +49 89 89918-118  
www.mmmgroup.com

