



# STERIDENT<sup>®</sup>, STERIMAT<sup>®</sup>, STERIMAT<sup>®</sup> PLUS

Compact and economic steam sterilizers designed for medical and dental departments, clinics and hospitals.



Generation of small steam sterilizers



protecting human health

Since 1954, the MMM Group globally operates as one of leading system suppliers of products in health service. Thanks to its complex offer of products and services, washing, sterilization and disinfection equipment for hospitals, scientific institutes, laboratories and pharmaceutical industry, the MMM established itself as an excellent quality and innovation provider in global markets.

**New steam sterilizers – compact and economic, designed for medical and dental departments, clinics and hospitals.**

Thanks to their small dimensions, first-class quality and versatile use, the STERIMAT<sup>®</sup> PLUS, STERIDENT<sup>®</sup>, STERIMAT<sup>®</sup> devices are suitable for use mainly in the field of dental medicine, requiring top quality, operability, reliability and maximal safety of sterilization.

The company BMT Medical Technology s.r.o. is fully certified for quality management system according to EN ISO 9001 and EN ISO 13485. Small steam sterilizers STERIMAT<sup>®</sup> PLUS, STERIDENT<sup>®</sup>, STERIMAT<sup>®</sup> met the standard for small steam sterilizers ČSN EN 13060 and they meet requirements of technical and legislative regulations of the CR and EU without any exceptions.

- compact, reliable and economic
- fast and safe
- chamber volume 15, 20 and 25 litres
- microprocessor control, easy and well-organised servicing
- possibility of placement on the table
- wide offer of sterilization programs



**BMT Medical Technology s.r.o.**

BMT Medical Technology s.r.o. is an active member of the MMM Group with many years of tradition in the field of steam sterilizers manufacture. Our production plant in Brno manufactures devices and equipment for central sterilisation units according to requirements of our clients all over the world. We arrange extensive range of manufacture and simultaneously we meet high demands on quality in the field of health care and laboratory engineering.



**MMM Group – Perfection in Health Care Engineering**

**Unique design, ergonomic panel, automatic door closing**

# STERIDENT<sup>®</sup>, STERIMAT<sup>®</sup>, STERIMAT<sup>®</sup> PLUS

**STERIDENT<sup>®</sup>** – Steam sterilizer STERIDENT<sup>®</sup> with chamber volume of 15 litres. The STERIDENT<sup>®</sup> sterilizers are suitable for sterilization of all the instruments, materials, textile, rubber and plastic, designed for sterilization by saturated water steam in health care and medicine, veterinary medicine and labs.

**STERIMAT<sup>®</sup>** – Steam sterilizer STERIMAT<sup>®</sup> with chamber volume of 20 litres. The STERIMAT<sup>®</sup> sterilizers are suitable for sterilization of all the instruments, materials, textile, rubber and plastic, designed for sterilization by saturated water steam in health care and medicine, veterinary medicine and labs.

**STERIMAT<sup>®</sup> PLUS** – Table steam sterilizer STERIMAT<sup>®</sup> PLUS with chamber volume of 25 litres. The STERIMAT<sup>®</sup> PLUS sterilizers are suitable for sterilization of large quantities of instruments (including surgical instruments), materials, textile, rubber and plastic, designed for sterilization by saturated water steam in health care and medicine and in veterinary medicine. For sterilisation of solutions in open bottles, the device can be equipped with built-in movable sensor PT 100, which extends its possible use to labs as well.

## Savings of Time, Water Consumption and Service Comfort

- compact dimensions and small weight
- optimal useful performance
- rapid steam generation system
- programs with fraction pre-vacuum and multi-phase drying with sterilization expositions times from 4 to 60 min
- many sterilization programs for selection possibility depending on sterilized material type
- three special testing programs
- possibility of time-delayed switch on and device program start
- automatically tempered chamber for 1 hour after the cycle termination
- automatic pre-heating phase, it keeps the sterilization chamber temperature on 80°C as a minimum for the period of 1 hour after the device switch on and after the cycle termination

## Top-Level Ergonomics and Quality

- sterilization chamber with electric heated jacket and independent steam generator made of high-quality stainless steel (DIN 1.4571, AISI 316Ti)
- automatic door closing
- touch display (graphic LCD)
- powerful membrane vacuum pump connected to cooler with no water connection required
- automatic control with two microprocessors
- fraction vacuum drying with forced ventilation
- built-in separate tanks for demi water and waste water with the volume of 6,5 litres – sufficient for performance of at least 5 sterilization cycles with maximal possible load
- indication of max./min. water level
- batch counter
- RS 232 interface with possibility of external printer connection for documentation of sterilization processes
- possibility of PC connection with communication software PrinterArchiv for data saving
- possibility of change of sterilization programs parameters using the software UNICONFIG

## Safety Equipment

- common two-processor management and control system of sterilization
- mechanic – electric system of door blocking with micro switches
- automatic transition to safe conditions in case of program interruption
- error warning messages
- antibacterial filter reliably provides quality of chamber aeration after the drying phase in case of underpressure
- safety valve for protection against max. allowed overpressure exceeding
- thermal fuse for protection against inadmissible overheating of electric heating of the sterilization chamber jacket
- thermal fuse for protection against inadmissible steam generator operation without water

## Standard Accessories

- sterilization chamber built-in unit made of wire
  - 4 pcs stainless steel perforated bowl:
    - STERIDENT<sup>®</sup>/STERIMAT<sup>®</sup> – 310/430×190×15 mm
    - STERIMAT<sup>®</sup> PLUS – 440×216×15 mm
  - 1 pc holder for drawing of bowls and sieves
  - 1 pc discharging hose
  - 1 pc pumping hose
  - 1 pc door sealing
- Inner organisation of the chamber allows re-organisation and insertion of bowls (max. 4 pcs), sieves, baskets and containers with the best possible use of inner space.

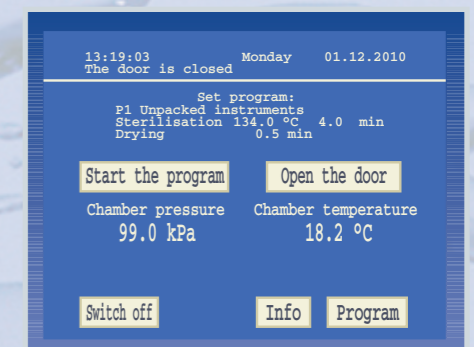
## Sterilization Programs

- **P1 Unpacked, fast** 134°C/4 min
- **P2 Packed instruments**, packed materials 134°C/7 min
- **P3 Textile, containers**, packed materials with intensive drying 134°C/7 min
- **P4 Rubber, cavities** – packed products of glass, rubber and plastics 121°C/20 min
- **P5 Packed, fast** 134°C/7 min, (max. load 0,5 kg)
- **P6 Cavities, fast** 121°C/20 min, (max. load 0,5 kg)
- **P7 Special** – special program with parameters according to client's wish. Programmed data of the special program permanently remain in the device memory, unless overwritten by other data
- **P8, P9 Bowie & Dick test / HELIX test** – steam penetration test 134°C/3,5 min
- **P10 Vacuum test** – test of chamber air tightness, balancing phase duration 5 min, test duration 10 min

Note: The temperature and time data of sterilization programs are stated without evacuation and drying times.



- 7 sterilization programs, 3 testing programs
- Fulfilment of relevant regulations of Ministry of health care of the CR and ČSN EN 13060
- 3 fast sterilization programs for up to 0,5 kg batch
- Possibility of up to 10 kg batch of instruments or 2,5 kg of textile
- Autonomous design or demi water feeding from water treatment plant fixed to water mains
- software PrinterArchiv for communication with PC



## Client Service Arrangement

Together with standard supplies of instrumentation, we offer a wide spectrum of services connected with development of central and chart room sterilization units.

- consultancy and project processing including logistics and capacity calculations
- supply of instrumentation including individual information systems "on turn key"

User support and service are arranged in full by the global network of contractual organisation of BMT Medical Technology s.r.o. We have an extensive network of brand service units connected to HOT-LINE service and providing prompt reaction to clients' questions and requirements.

## Validation

We offer performance of IQ and OQ validation tests to our clients on installation site and we also co-operate in arrangement of PQ and requalification tests. The tests are performed by our Accredited Laboratory No. 1325 in compliance with EN ISO 17665-1 and approved operation procedures.

## Environmental Awareness

The device meets all and any current environmental requirements. It does not burden the work and living environment. The external insulation shell of the sterilization chamber is equipped with high-quality insulation significantly reducing thermal losses and saving electric power.

High quality materials guaranteeing long service life of the device are used in manufacture. The device can be optionally equipped with a device for additional cooling of waste water allowing waste temperature setting. The device does not produce any harmful waste. Even its factory manufacture process is based

on environment friendly methods of processing. All the significant parts of the device and package are recyclable. The device consists of 95% of steel, 4% of other materials, 1% of electric material and plastics. Environment - friendly liquidation is performed after dismantling by an authorised person in compliance with EU regulations, corresponding with the WEEE regulation (Waste Electric and Electronic Equipment).

# STERIDENT®, STERIMAT®, STERIMAT® PLUS,- Technical Parametres



Model	Dimensions [mm]		Chamber volume [l]		Weight [kg]	Max. input cca [kWA]	Max. cca consumption per 1 sterilization cycle	
	External dimensions of the device (w×h×d)	Usable space (Ø×d)	total	usable			Steam generator -demi water conductivity [µS/cm]	Water consumption [l]
STERIDENT®	465×445×600	238,5×310	15	10,5	56	2,6	15	0,3 - 1
STERIMAT®	465×445×725	238,5×430	20	15,5	66	2,6	15	0,3 - 1
STERIMAT® PLUS	502×475×750	269×440	25	20	77	2,6	15	0,3 - 1

Operation voltage / frequency: 230 V/50 Hz  
 Socket / fuses: 1P/N/PE/AC/16 A  
 Noise level: max < 65 dB

Further technical parameters on request.  
 The values may differ depending on specific charge and media parameters.  
 Changes in the design and make reserved.



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**Engineering serving a man  
 - simple, economic and safe.**



More information  
is available direct from  
our internet web site

[www.bmt.cz](http://www.bmt.cz)

Make acquaintance with our further offers...



Large steam sterilizer 73-14901



Steam sterilizer 70 I



Laboratory drying devices and incubators 22-1212 I



Stainless steel instrumentation



Formaldehyde sterilizer 110 I



Exchanger steam/steam



Washer disinfectors for medical usage



Cleaning and disinfection agents



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