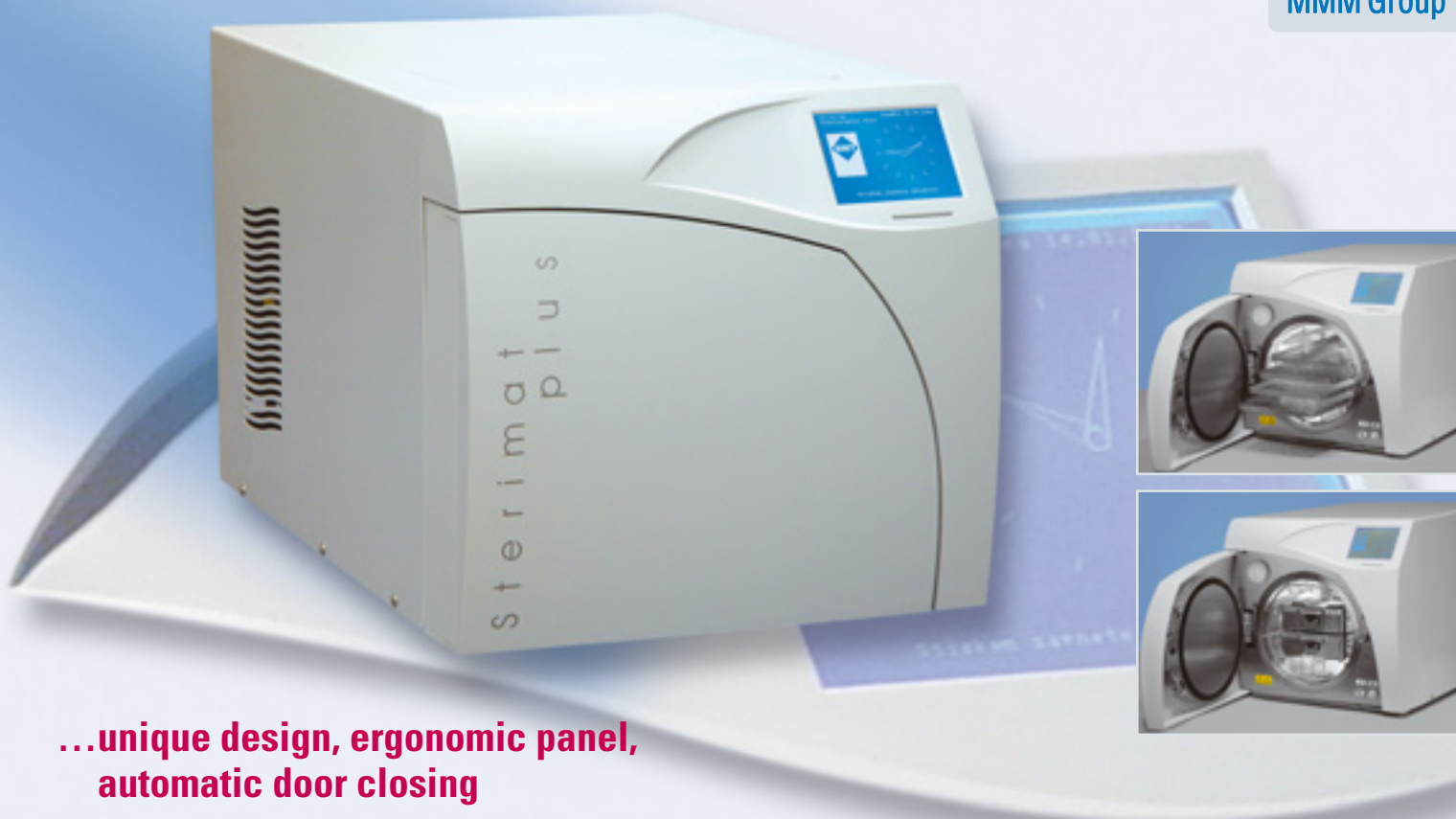


STERIDENT/STERIMAT/ STERIMAT_{PLUS}

...new generation of small steam sterilizers



...unique design, ergonomic panel,
automatic door closing

New steam sterilizers – compact and economical, designed for private and dental surgeries, clinics and hospitals.

With modern control automatic, meets the highest requirements on quality, rapidity, simple operation and safety.

Always ready for a quick and guaranteed sterilization, meeting the highest requirements.

STERIDENT – sterilization chamber with volume of 15 liters and inner dimensions of Ø 238 x 310 mm.

STERIMAT – sterilization chamber with volume of 20 liters and inner dimensions of Ø 238,5 x 430 mm.

STERIMAT_{PLUS} – sterilization chamber with the volume of 25 liters and inner dimensions of Ø 269 x 440 mm, with the possibility of building-in a flexible sensor PT 100 for sterilization of solutions.

Another new model:

STERILAB – a small steam sterilizer for laboratories, inclusive sterilization of solutions in open bottles, sterilization chamber with the volume of 25 liters and inner dimensions of Ø 269 x 440 mm.

STERIDENT/STERIMAT/STERIMAT_{PLUS} – designed for sterilization of wrapped compact, hollow and porous materials.

STERIMAT_{PLUS} – can be adapted for sterilization of solutions in open bottles, which extends its range of use to laboratories.

Conformity with European Standards

STERIDENT/STERIMAT/STERIMAT_{PLUS} – comply with the standard for small steam sterilizers EN 13060.

STERIDENT/STERIMAT/STERIMAT_{PLUS} – comply, without exception, with requirements of technically- legislative regulations valid in the EU.



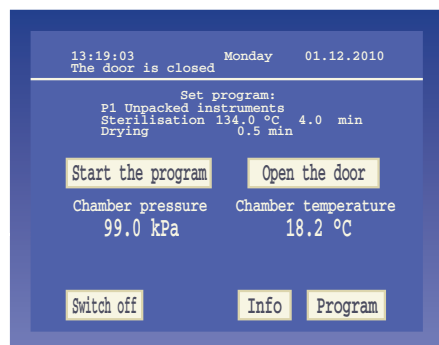
- structural design with three patents and the design protected by an industrial design (a patented system of controlling of steam generation, patented system of a unique hardware, patented combined function of the pump)
- 10 user programs
- comply with the standard for small steam sterilizers EN 13060
- 3 quick sterilization programs up to load of 0.5 kg
- possibility of an instrument load up to 10 kg or a textile load of 2.5 kg
- autonomous types or types with demineralised water supply from a water treatment plant connected to water pipelines
- software Printer Archiv for PC communication



protecting human health

Saving of Time, Economical Water Consumption, Comfortable Operation

- compact dimensions and low weight
- optimal effective output
- system of a rapid steam generating
- programs with fractional pre-vacuum and multiple drying and with times of sterilization exposures from 4 to 60 minutes
- series of sterilization programs selectable according to the sort of sterilized material
- three special testing programs
- possibility of time-delayed switching-on and starting the program
- 1-hour tempering of the chamber automatically after the end of a cycle
- the "stand-by" function – the automatic pre-heating phase – keeps the temperature of sterilization chamber min. 80 °C



Ergonomics and Quality on the Highest Level

- sterilization chamber with an electrically heated jacket and an independent steam generator made of a first-class stainless steel (DIN 1.4571, AISI 316Ti)
- automatic door closure
- touch display (graphic LCD)
- powerful membrane or water-ring vacuum pump with condenser, no connection to water source necessary
- automatic microprocessor control by performed two microprocessors
- multiple-phase system of vacuum drying with forced ventilation
- built-in separated tanks for demi-water and waste water with the volume of 6.5 liters – sufficient for min. 5 sterilization cycles with the maximal possible load
- indicator of max./min. levels of supply water and max. level of waste water
- counter of charges
- interface RS 232 – it is possible to connect and external printer for sterilization process documentation
- communication software Printer Archiv for PC under Windows for storing of data
- it is possible to change pre-set program parameters by means of software

Safety Equipment

- two-microprocessor control system of sterilization
- mechano-electric system of door blocking with microswitches
- automatic return the safe status in case of program interruption
- controlled warming and error messages by microprocessor
- bacteriological filter ensures the quality of chamber aeration after the underpressure drying phase
- protection against surpassing the maximum operating overpressure by means of safety valve
- thermal fuse protection against inadmissible overheating of the chamber jacket electrical heating
- thermal fuse protection against inadmissible operation of the steam generator without water



Sterilization Programs

- P1 **Unwrapped instruments** – 134°C/4 min
- P2 **Wrapped instruments**, wrapped materials 134°C/7 min
- P3 **Textile, containers**, wrapped materials with intensive final drying 134°C/7 min
- P4 **Rubber, cavities** – wrapped products of glass, rubber and plastics 121 °C/20 min
- P5 **Wrapped quick** 134 °C/7 min (maximum load 0,5 kg)
- P6 **Cavities quick** – 121 °C/20 min (maximum load 0,5 kg)
- P7 **Special** – special program with parameters according to customer's wishes, e.g. SOLUTIONS – possibility of building-in a flexible sensor PT 100
- P8, P9 **Bowie&Dick test/HELIX test** – test of steam penetrating – 134 °C/3.5 min
- P10 **Vacuum test** – test of airtightness of the chamber – length of the equalizing phase 5 min, test time 10 min
- P11 **Service** – service program for easy check-up and maintenance

Note: The thermal and time values of sterilization programs are given without the evacuation and drying values

Technical Data

Chamber volume – total/useful

Sterilization chamber dimensions – diameter x depth:

External dimensions of the sterilizer

– width x height x depth: Weight of the unit:

STERIDENT	STERIMAT/STERIMAT ^{PLUS}
15/10,5 l	20/15,5 l / 25/20 l
238,5 x 310 mm	238,5/269 x 430/440 mm
465 x 425 x 600 mm	465/502 x 425/472 x 725/750 mm
56 kg	66/77 kg

Operating voltage/frequency: 230 V/50Hz

Connection socket/fuses: 1P/N/PE/AC/16 A

Average acoustic power: < 65 dB (A)

Water consumption for one sterilization cycle:

0.3 to 1 liter (according to charge)

Steam generator – demi-water conductivity:

max. 15 µS/cm

Power input: 2.6 kVA

Further technical parameters on request.



Changes in the design and make reserved.

Standard accessories

- wire built-in piece of the sterilization chamber
- 4 pcs of stainless steel trays, perforated plate
- STERIDENT/STERIMAT – 310/430x190x15 mm
- STERIMAT^{PLUS} – 440x216x15 mm
- 1 pc of holder for unloading of trays and sieves
- 1 pc of discharge hose
- 1 pc of filling hose
- 1 pc of door sealing

Inner parting of the chamber enables – adapting and inserting dishes (max. 4 pcs), sieves, baskets and containers for the best using of the inner space.

