



Formomat[®] PL

Premium Line - formaldehyde sterilizer



The economical solution for
sterilizing heat sensitive items



Simple, safe, approval-free.

Everything takes its own time. Everything has its own shape. Particularly heat sensitive items with special formats and designs need highly qualified processing which protects the instruments and ensures perfect even for items with narrow lumens.

The Formomat PL – a Premium Line product – has been developed by the MMM Group specifically for the sensitive processing of heat sensitive items and medical devices.

The Formomat® PL is a low-temperature sterilizer which implements the formaldehyde water vapour method (FO) in a vacuum as per DIN EN 14180 for healthcare facilities such as hospitals, practice clinics and industrial sterile goods suppliers. Of course, the program-controlled MMM sterilizers meet all process- and substance-specific criteria (VSK) when used properly, and guarantee adherence to the formaldehyde limit values.

Convincing technology.

The new MMM Formomat® PL series includes technical solutions which have optimised the LTSF method in economic, technical and organisational terms. From the variable temperature procedure (55 -75°C), simple operation on the newly designed MMM panel, the clear documentation procedure and economic use of consumables to practical process validation using real instruments - the Formomat® PL offers a wide range of convincing services.

Worthwhile calculation.

Everything has its price. The full-cost calculation for the Formomat® PL is good in every regard. The MMM LTST sterilizer is not only well worth its (comparatively low) price, it also cuts down on operating and organisational costs. For instance, the costs of the agent (formaldehyde solution) and for replacement and wearing parts are very low, and expensive disposal measures (as e.g. in the case of EO sterilization) are not necessary. The fact that the packaging material is commercially available paper film packaging impacts very positively on costs.

Details that thrill.

CSSD integration

As the Formomat® PL meets highest safety standards, it can be integrated into a CSSD without any problem. This results in further advantages: optically uniform sterilizer front, easy to clean, easily integrated into the IT system, and clear separation of the clean and the sterile areas.

Flow evaporator

The flow evaporator ensures an even agent concentration within the chamber – irrespective of load. This enables reliable sterilization of even complex instruments with narrow lumens.

Program configuration

The Formomat® PL can be configured so that a user ID has to be entered. Additional process safety is offered by access protection to prevent unauthorised parameter changes.



Vacuum pump with gas ejector

The gas ejector enables the reliable achievement of even low vacuum switching points, and does away with the need to regulate secondary air (to avoid cavitation).



Formomat® PL

Economical and safe.

Technology

- Approval-free installation
- Permit-free operation
- High profitability
- Low agent costs
- Can be validated with real instruments
- Vacuum pump with gas ejector
- Flexible sterilization temperatures
- Stainless steel frame and pipes throughout
- Durable chamber construction
- Permanent, homogeneous agent and temperature distribution
- High access protection to prevent unauthorised program manipulation

Options and accessories

- Barcode reader
- Connection to sterilization rack documentation system (SimCon-Box II)
- Base and tub
- Formaldehyde solution 2% (1 l bottle)
- Distilled water (2.5 l canister)

Formomat® PL dimensions

Model	Doors	External device dimensions in mm (H x W x D)	Inner chamber dimensions in mm (H x W x D)	Chamber volume in l
Formomat 349-1	1	1820 x 670 x 970	320 x 380 x 900	110
Formomat 349-2	2	1820 x 670 x 990	320 x 380 x 900	110

Technical changes reserved



Consumables

The consumables - formaldehyde and water - are supplied in recyclable, clearly distinguishable plastic containers. Electronically controlled removal of the media ensures precisely dosed consumption.



Operating panel

With four-line display, keypad and thermal plotter for printing the process curve on thermal paper (also optionally possible with SimCon-Netbox via PC).



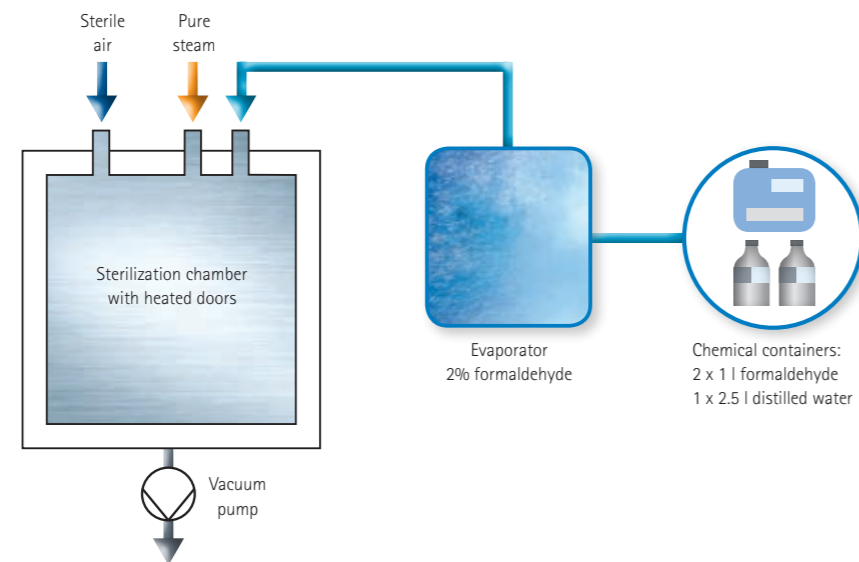
Sterilizer chamber with fan

(Illustration does not show the fan cover) The electronically secured door fan ensures even temperature and active agent distribution.

Customer advantage: High sterilization reliability.

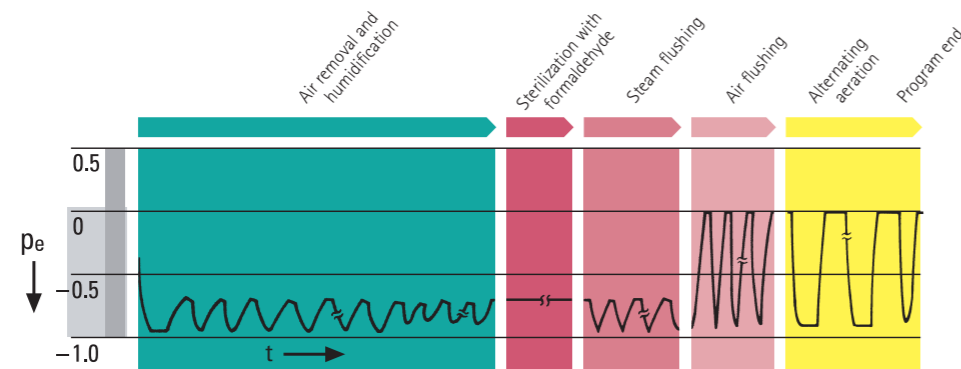
Formomat® PL function

The **Formomat® PL** sterilization cycles require just 2 litres of 2% formaldehyde solution and 2.5 litres of distilled water. Thanks to the bottling equipment supplied in the set by MMM, hospitals can easily refill the 2% formaldehyde themselves. The closed-loop system forms a user-friendly and safe unit.



Sterilization process

The standard sterilization and test programs are stored in the control system. The process steps are coordinated precisely to the items to be sterilized. Focus was placed on high efficiency, safety and economy during development of the sterilization programs.



Sterilization programs:

- Standard program 55°C / 120 min.
- Standard program 60°C / 60 min.

Test programs:

- Automatic evacuation program
- Vacuum test program
- Safety evacuation program

MMM customer service: Effective and reliable

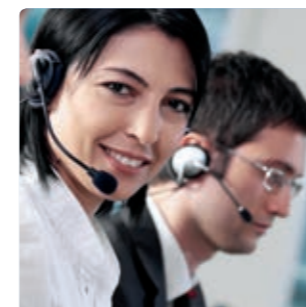
Our knowledgeable service organisation is available to you around the clock, ensuring long-lasting, trouble-free operation of the installed systems. Thanks to our branches and representative offices optimally distributed worldwide, we are always nearby and can very quickly be on site in an emergency.

The sophisticated and innovative design of our systems and devices makes it possible in many cases 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.

However, our goal is to ensure that problems do not arise in the first place. 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 goods 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. Tailored solutions for adaptation to changed situations, for optimisation of consumable materials and for continuous adjustment to individual needs and legal requirements increase the service life and cost-effectiveness of the systems and secure your investment.

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





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.**



Health
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