

Uniclean[®] PL II 10

Premium Line



Washer-Disinfector for 12 DIN trays

High performance on a small footprint

MMM Group – Your partner for sterile processing

Efficient preparation of medical products is of crucial importance for smooth and cost-effective processes in healthcare facilities. It is necessary to take into account requirements for hygiene as well as economic considerations and quality.

Reliable preparation of sterile goods, as a decisive factor for the economic success of operating facilities, is to be understood as a complex overall concept that is more than the sum of its individual processes.

MMM has been a successful partner for safe and cost-effective provisioning of sterile medical products for over 60 years. We are the experts when it comes to planning, setup and technical management of all devices, processes and procedures in central sterilisation facilities. We understand this task to encompass planning of the required device capacities according to need, provisioning of all required machines, validation of all processes in the RUMED*, a process documentation system coordinated with all machines and comprehensive customer service.

* Reprocessing Unit for Medical Devices

Top quality and reliability

MMM products are distinguished by their relevance throughout the complete product life cycle. The combination of industrial production and solid workmanship with a high level of production depth "Made in Germany", as well as sophisticated control systems, ensures that the highest requirements are met. Top quality materials are used at MMM on state-of-the-art machinery. Qualified staff and process-oriented quality assurance guarantee consistently high standards.

Unclean® PL II 10 was developed and designed to meet the requirements of processing units in small and medium-sized hospitals and ambulant operating centres, that ask for high performance on a small footprint. The washer-disinfector fulfills all quality-relevant requirements and corresponds to the newest standards (such as the standards series DIN EN ISO 15883 part 1 and 2) and guidelines that authorise, among other things, use of the CE symbol.



- 1- and 2-door models
- Compact dimensions
- MMM quality
- Efficient cleaning performance
- Intuitive operation / large display
- Ergonomic handling
- Low noise level

Uniclean® PL II 10 for 12 DIN trays

Latest technology on a small footprint

12 tray washer-disinfector –
Top level technology and quality.

Highlights

- ✓ Maximum width of only 700 mm
- ✓ Capacity for 12 DIN trays
- ✓ Smart HMI with 7.0" color screen
- ✓ 4D Aqua Frame rack design
- ✓ High service friendliness

Large assortment of loading racks



4-level rack



MIS rack



Anaesthesia rack



5-level rack



Standard equipment

- Hygienic, easy-to-clean design of the outside surfaces and the chamber
- Maximum width of only 700 mm
- Transport height 2000 mm
- Capacity for 12 DIN trays (effective chamber volume 216 litres)
- PLC industrial controller from B&R in IP54 control cabinet
- Smart HMI with 7.0" color screen
- No lateral service access needed, access is from the front
- Rack loading accessible from all sides
- Central water connection for flexible rack loading
- 4D Aqua Frame rack design
- Easy gliding transport rollers inside the wash chamber
- Intelligent water management system
- PPV system for process parameter verification: monitoring air temperature, water temperature and pump pressure
- Control cabinet can be folded down for transport
- Provides space for 3 cleaning agents containers
- HEPA filter H13
- Exhaust air draught diverter
- Chamber material AISI 316L
- Glass doors open vertically downwards, electrically driven
- Electrical tank and air heating
- 2 dosing pumps with flow meter
- Large number of preconfigured standard programs
- 3-color LED chamber lighting
- Disinfection either AO value controlled or temperature holding time control
- No compressed air connection required

Options

- Built-in printer on loading or unloading side
- A4 batch report printer
- 2nd screen on the unloading side
- Barcode scanner with automatic program selection and rack identification
- Rack return function
- ISA - Intelligent Service Advisor
- Interface to documentation system (e.g. MMM EcoSoft)
- PPV system for process parameter verification optional: additional, second dosing counter
- Level monitoring of process chemicals
- Conductance measurement
- Remote maintenance
- Additional dosing pump (max. 2)
- Deionized water pre-heating tank (speed cycle)
- Warm water connection
- Media connections from below
- Floating contacts
- Machine tub with drain and baseboard
- Exhaust air condenser

Technical Data

Capacity DIN trays	1-door	2-door	Inner dimensions in mm (W x H x L)	Chamber volume in l	External dimensions in mm (W x H x L)
12	•		563 x 704 x 609	216	700 x 2300 x 830
12		•	563 x 704 x 609	216	700 x 2300 x 777

MMM customer service: Effective and reliable

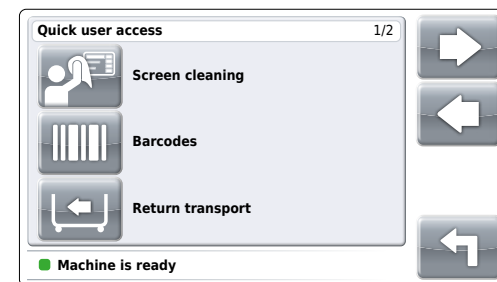
MMM Smart HMI – safe operation for more comfort

The human-machine interface is only one component of the MMM concept for making the work of the operating personnel easier. The MMM visualization of the navigation using the color touch display is designed in friendly colors and unambiguous symbols and text. All process-relevant information, such as device status, process step, values and graphs, is available at a glance on the display. The remaining time of the program is displayed on both sides of the machine in numbers that can be viewed from a distance, allowing the workflow to be optimized without waiting times.

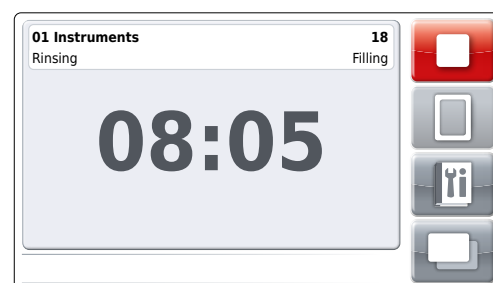
Intuitive operation in a 16:9 format



Program selection



User fast access



Remaining process time

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

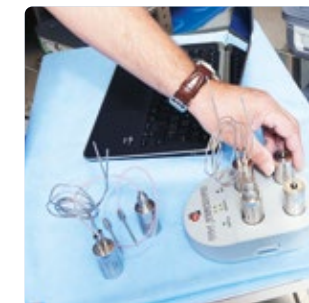
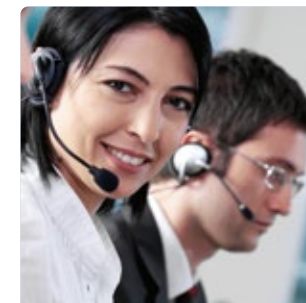
24-hour hotline

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 1200 employees apply their expertise and dedication to the mission of the MMM Group: **Protecting human health.**



Made in
Germany

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