



prevents
cross-contamination



independently
reproducible



ergonomic application

MopFloat® GMP

The cleanliness is in the details

PPS
PFENNIG PROFI SYSTEM

MopFloat® GMP and CR

easy and safe

The open system with the security of a closed system

Solutions for highly sensitive areas

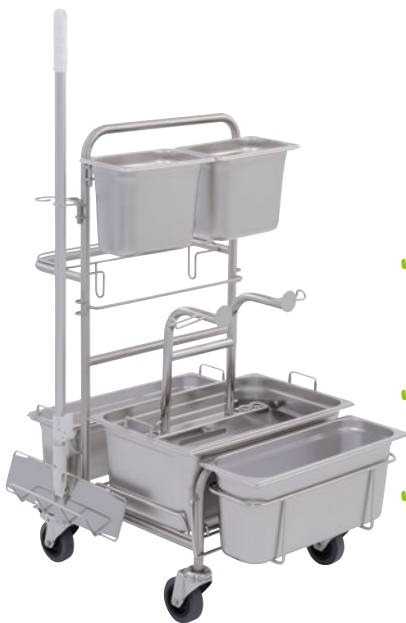
For 15 years, we have been working to meet the highest existing demands in the area of manual floor cleaning: The development of special solutions for the pharmaceutical industry as well as for manufacturers of semiconductors, optical technology and precision engineering. Through the use of mechanical intelligence, MopFloat always ensures that – independent of the user – the same results are achieved with the impregnation of the mop covers. Developed to meet the requirements of highly critical areas under consideration of the pertinent legal regulations, both MopFloat GMP and CR offer maximum safety with a full range of flexibility.

Our MopFloat GMP and CR impregnation systems fulfil the following standards and requirements:

- + GMP conformity:**
safety, also in sterile areas
- + Highest efficiency for cleaning and disinfection:**
through intelligent workflows
- + Reliable prevention of cross-contamination:**
through contact-free workflows and the creation of zone concepts
- + Ergonomics and easy to learn:**
ensures resistance against operating errors

For cleanrooms with stringent requirements – including sterile areas

For cleanrooms with defined safety levels – without sterility requirements



Stainless steel 1.4404

Completely autoclavable

- ✓ Medical products with higher sterility requirements, including sterile products
- ✓ Pharmaceutical GMP areas including aseptic production
- ✓ Technical cleanrooms subject to the highest standards

ISO	3	4	5	6	7	8	9
GMP			A/B		C	D	



Stainless steel / polypropylene

Castors are electrically conductive

- ✓ Medical technology
- ✓ Life science industry
- ✓ Technical cleanrooms

ISO	3	4	5	6	7	8	9
GMP			A/B		C	D	

Clino® CR4 MF-GMP

Art. No.: 3540300

- + Cleaning method: validatable results through the innovative MopFloat method
- + Highest efficiency and reliability in a single-stage process
- + Made from cleanroom-suitable stainless steel; all components are autoclavable
- + Individually configurable through Clino module construction system
- + ClinoLink: cleanroom-suitable connection system for individual attachment of accessory parts
- + Numerous attachment variants are possible (see overview system trolley)

Clino® CR4 MF-CR

Art. No.: 3540400

- + Cleaning method: Validatable results through the innovative MopFloat method
- + Highest efficiency and reliability in a single-stage process
- + Made from cleanroom-suitable stainless steel; attachment parts made of plastic; base frame and castors electrically conductive
- + Individually configurable through Clino module construction system
- + ClinoLink: Cleanroom-suitable connection system for individual attachment of accessory parts
- + Numerous attachment variants are possible (see overview system trolley)

Cleaning with MopFloat®

Process reliable workflow – very easy

mechanical intelligence



Since the cleaning and disinfection process of larger surface areas in the cleanroom are usually cleaned by hand, simple and systematic procedures are required in order to achieve the desired process validity. The im-

pregnation of the mop cover with the MopFloat GMP system is based on only two physical principles: gravity and capillary effect.

Through the exclusion of all inadvertent operating errors and the

automatic impregnation process that is solely determined by the force of gravity, each mop cover will reliably always have the same impregnation amount – entirely independent of the operator.



1 Due to the weight of the mop frame, the operating lever swings downward and after discharge it automatically returns to the initial position



2 The mop cover completely absorbs the entire adjusted volume of fluid (130, 250 or 400 ml)



3 Contactless mop cover discharge with MopDrop

Your advantages:

MopFloat GMP: The open system with the safety of a closed system:

- + Precision:** For a treatment amount of 400 ml, just about 1% deviation
- + Built-in safety:** Unintentional misuse impossible
- + Reproducibility:** Treatment of the textiles is independent of operator
- + Validatability:** The treatment process automatically delivers identical results
- + The dosage can be varied** between 130 ml, 250 ml or 400 ml, depending on the required use (for floor, wall or ceiling cleaning) or the type of mop (multi-use or single-use)
- + GMP conformity:** Made entirely of stainless steel. The only pivot point is stored in an FDA-compliant slide bearing bushing
- + Hygienic design:** No hard-to-reach areas or dead spaces
- + Ergonomics and easy to learn:** Self-explanatory system that can be operated with minimal force
- + Avoidance of cross-contamination:** The entire work process is contactless

Cleanroom class indicator

ISO	3	4	5	6	7	8	9	Nomenclature DIN EN ISO 14644-1 relevant for:	Cleanrooms in all industrial areas	Nomenclature EU-GMP relevant for:	Pharmaceutical industry, specialised aseptic production, GMP areas
GMP			A/B		C	D					

The classes named above are air cleanliness classes. The assignment of commodity and consumable materials into these classes can therefore only be used for purposes of orientation. Even though comprehensive measurement values and independent reports are available regarding a lot of products, the suitability for the respective production process must be evaluated by the operator.

Clino CR

tested suitability



High-tech special mop covers

Multi-use concept

We generally recommend using mop covers designed for multiple usages. This can usually be realised without problems in conjunction with the clothing concept through a suitable cleanroom laundry service.

It doesn't matter if it's just the laundry treatment or mop leasing concept. As the user, you can always rely on verified and validated decontamination and sterilisation processes.

Multi-use concepts are almost always more economical than single-use solutions – and even the ecological effect should be taken into consideration: the use of single-use covers is harmful to the environment.

Single-use concept

In very small cleanrooms, in cytostatic areas or as a back-up solution, the application of single-use mop covers makes sense. The same holds true if the clothing concept is based on a single-use solution.

The decision should therefore take into consideration that single-use covers neither cover the same surface area nor achieve the same cleaning performance as multi-use covers; this means more covers are needed for each area.

With a single step, MopFloat can be adjusted to the optimal impregnation volume for single-use covers.



MicroSicuro CR/A

Art. No.: 2700268



- + Ideally suited for the MopFloat method
- + Removes 99.9% of all particles in the single-stage process
- + Safe disinfection of GMP areas through validated impregnation behaviour
- + Maximal square-meter coverage through innovative combination of materials; ideal for removing remnants of the disinfectants
- + Autoclavable for up to 50 preparation cycles, resistant to disinfectants and gamma rays
- + Through maximal capillary effects, optimally suited for all PPS cleaning methods



King CR Wiper Mop S

Art. No.: 3500066

Art. No.: 3500068 – gamma irradiated



- + Excellent cleaning performance through 100% polyester microfibres
- + Special structure for optimal particle absorption
- + High-quality, cleanroom-suitable processing
- + High degree of area coverage through backfeeding
- + Also ideal for cleaning walls or ceilings; can be sterilised
- + Special throw-away mop cover

Alternative mop covers can be found in our consulting and service catalogue for effective contamination control

System trolley Clino CR4

maximum flexibility



With its standardised dimensions, the Clino frame system ensures the easy exchange of individual components. Using the example of the CR4 model, you are given a selection of possible variants that are all based on the same identical base frame:

Variation possibilities with MopFloat



Clino CR4 MF-CR with accessories
Zone concept: **Red**



Clino CR4 MF-CR with accessories
Zone concept: **Green**



Clino CR4 MF-CR with accessories
Zone concept: **Blue**



Clino CR4 MF-GMP with accessories
ClinoLink: Attachment variant 1



Clino CR4 MF-GMP with accessories
ClinoLink: Attachment variant 2



Clino CR4 MF-GMP with accessories
ClinoLink: Attachment variant 3

Variation possibilities with EasyMop and flat wringer



Clino CR4 EM-GMP with accessories



Clino CR4 MF-CR with accessories
Zone concept: **Yellow**



Clino CR4 FP-GMP with accessories

With our consulting and service catalogue for effective contamination control, you can assembly your own individual system trolley design.

PPS – the company



Planning, consulting and sampling

Based on the PPS system cycle, our in-house and field specialists will analyse your individual requirements. The products that have been aligned to your needs will be provided to you as a free-of-charge sample to undergo your own evaluation.



Quality

All of our products are manufactured on our own tools and forms; from the beginning we have been implementing the quality management guidelines as per ISO 9001 ff. Through this both measurements we can guarantee you a constant high quality and ensure this high quality long-term.



Consulting and support

With a nationwide sales staff domestically as well as an extensive network of dealers throughout Europe we are located near you. Our highly specialised inside sales staff is available to provide you always with personal support.

For more than 40 years we have been working on the development and production of professional cleaning equipment.

The name of our company – Pfennig Reinigungstechnik – is based on the fact that a product's technical components are always at the forefront. In a cleanroom, the term "cleanliness" is subject to a completely different meaning than is the case in standard building cleaning services. Therefore, in 1999 we decided to rise to this challenge by using an entirely newly developed product line: The Clino CR

cleaning and disinfection system. It was the first system certified for the use in cleanrooms and the system is being constantly further developed by us. Due to our expansive network consisting of manufacturers of cleaning agents and disinfectants, cleanroom laundries and other providers of specialised services related to cleanrooms, we are able to offer you perfectly customised system solutions. If you are looking for a customised special solution, we look forward to hearing from you!

We look forward to receiving your inquiry!

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Technical changes reserved.



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