



Grow Production. Not Contamination.

Achieve a next level clean
for your facility.

**NEXT
LEVEL
CLEAN**

Maximum contamination control. Validation & certification starts here.

Maximum contamination control and lower costs

The impact of inferior contamination control practices and protocols can be gigantic. The result of inadequate mechanical cleaning processes could have a negative impact on your company's reputation and image long-term.

Introducing a detailed contamination control program, you can safeguard the facilities plant and production areas. The overall aim of a robust cleaning SOP is to mitigate risk and to avoid potential production downtime. This can be caused by contamination build up due to low efficacy mechanical cleaning practices.

The voice of the customer

- A robust and responsive contamination control strategy requires a complete cleaning system solution rather than standalone products purchased in isolation
- Residue removal is a challenge and a concern for us. Effective mechanical removal must be assured to comply with revised legislation (GMP Annex1)
- All cleaning processes and protocols must be validated and certified to deliver high levels of mechanical surface cleaning performance
- Ergonomic product design is of huge importance
- We need to achieve higher classifications of clean and improved cleaning efficacy in our facility with less resources required

We know how to beat contamination

Leading cleaning innovations are in our DNA, and throughout the years we have developed our own leading and patented technologies that help customers achieve specified contamination limits.

We take responsibility for your cleaning process from validation to reliable solutions, which will safeguard your production.

Vileda Professional CE provides tailor-made solutions that match your cleaning and contamination control needs for the entire facility. After analysing your needs, we offer complete systems with maximized cleaning performance and reduced cost-in-use.

Certified and validated systems and solutions

All our products and systems meet business standards and practices such as;

- ISO 14644-5
- IEST RP CC018
- Life science GMPs

Also, the majority have been validated by independent test institutes. We provide solid documentation such as autoclaving reports, durability tests and particle shedding tests.

Quality all the way

All Vileda Professional cleaning utensils are developed and manufactured in-house according to the highest quality standards with patented technologies. Our global production units have been certified according to;

- ISO 9001
- ISO 14001

This ensures consistency of quality and minimizes risks in your daily business. Naturally all of our products are designed with sustainable values.

You can rely on us

With more than 20 years experience of qualified and complex controlled environments cleaning, it means we understand your needs. We support world leading blue chip companies around the globe operate a disruption free production facility. Our core sectors globally include;

- Pharmaceutical manufacturing
- Medical device manufacturing
- Cell and gene therapy
- Microelectronics manufacturing

Together with our contamination control consultants we develop your cleaning approach and implement best-in-class cleaning systems and solutions - a total contamination control concept.



OUR VALUE

- Maximum contamination control, including removal of particles, liquids, bacteria/viruses and electrostatics
- Reduced total cost-in-use – labour, chemical/water and product lifetime costs
- Reduced work-related injuries and costs through best-in-class ergonomics
- Legal compliance and performance guarantees
- Higher sustainability
- Increased pride and motivation of cleaning personnel



YOUR BENEFITS

- Freudenberg patented microfibre technologies contribute to 99.9% bacteria pick-up
- Vileda pre-prepared method will decrease your water / chemical (~50%) use and labour costs (~30%)
- No more dipping and wringing. No handling of heavy buckets and utensils means up to -40% absenteeism
- All systems/product come with internal and external reports to validate our concepts
- Vileda pre-prepared durable and single use systems will improve your mechanical cleaning performance
- On-site training, implementation and after sales support by consultants

Achieve a Next Level Clean for your facility.

“Production Facility Cleaning” is the name of the game, with cleaning programs that cover all controlled areas in the production plant. And to do this successfully, a total contamination control approach must be applied. All surfaces, all units, all areas must be covered in a specific cleaning quality program.

1 The Cleanroom (ISO 4-6)

Production area. Validated and contamination controlled on air, surfaces and personnel.

- What is the type of contamination you need to remove? Spills, grease particles or even visible dirt?
- Are you reaching your contamination goals? CFU's, particle counts, etc?
- Do you have external validation material on all your cleaning utensils? Including particle reports for mops?
- Are your cleaning textiles (mops/wipes) collecting/removing contamination from the surface?
- Can you control contamination between/within the cleanroom? How often do your operators change solutions and mops?
- Is total cost-in-use of your cleaning program an area where you would like to improve?
- Are your staff annually educated/trained in how to execute the cleaning method?

2 The Personnel entrance/ Gowning room (ISO 6-8)

Gowning area to eliminate personnel as potential source of contamination before entering production area. Set the contamination pick up by cleaning as close to zero as possible, already in this area.

- Can you easily carry solutions in and out of the gowning area?
- Do you have space to fill buckets?
- Can you bring in trolleys and is there enough space?
- Can you reach underneath equipment?

3 The Controlled Environment around the manufacturing area (ISO 8-9)

Controlled Environment area's including the entrance zone. Surrounding environments impact the cleanliness of the cleanroom – proper surroundings with established protocols can prevent up to 80% of contaminants entering the cleanroom.

- Have you validated your current cleaning system to act as a barrier for your cleanroom?
- Are you able to clean with the same method/ tools within other executions, allowing ease of use for the operators?
- What's your cleaning cost per m² for this area?



ERGONOMICAL ASPECTS

1. Do you have one system for floor, wall and ceiling cleaning, or even for all controlled environments?
2. How often are your operators dipping and wringing per task or per cleanroom?
3. Do they have lightweight telescopic handles to perform wall/ceiling cleaning?

Still believe you are cleaning the right way?

There's a better way – the Vileda Professional high-tech and effective solution

To achieve maximum contamination control, cleaning performance, top ergonomics and cost benefits, there's a much better way – the Vileda Professional One-step cleaning method. Fully implemented you will capitalize from a range of benefits:

- No Vacuum cleaners needed
- Pre-moistened mops in a box (1 mop per room or 20m²)
- No buckets needed as mops are pre-impregnated on-site with your disinfection solution
- Cleanroom compatible microfibre mops
- One system for cleaning floors, walls and ceilings
- Best-in-class ergonomics
- Total cost-in-use benefit up to 30%

The pre-prepared method = One-step cleaning

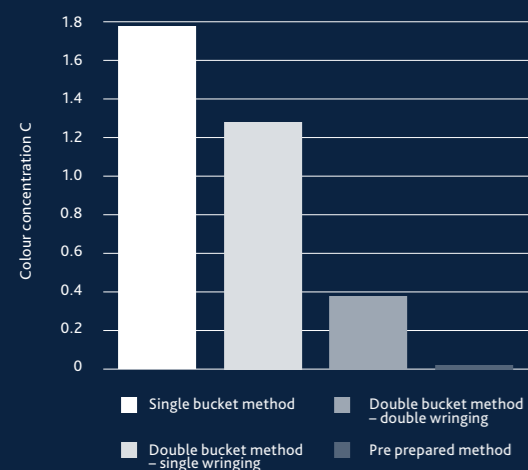
The pre-prepared method is the un-beatable method when it comes to both contamination control and reducing cost-in-use.

Cross contamination is avoided as there is no dipping into buckets, plus cleaning utensils are used in designated areas only.

Due to less water and chemical use, plus superior ergonomics, you will benefit from lower overall costs for cleaning.



COMPARISON OF BUCKET METHODS VS PRE-PREPARED METHOD



The pre-prepared method is the superior method to keep cleaning water un-stained.

The graph shows the degree of contamination after 10 rinsing and wringing cycles.

The tests show that the degree of contamination can be decreased considerably by using the double bucket method with double wringing. However, contamination is avoided using the pre-prepared method, as there is no dipping into buckets.

The reasons to believe.

Nothing beats our microfibre

The Freudenberg unique and patented microfibre technology has revolutionised cleaning performance – both on and above floor.

Microfibres have a very small diameter – 8 µm – meaning a fibre fineness of less than 1 dtex. Typical Freudenberg microfibre features include:

- A very small amount of water droplets are released onto the surface
- Streak free cleaning
- Excellent absorbency through capillary action
- Faster drying surface

Microfibres reach into all microscopic crevices on surfaces, removing dirt and bacteria, which are inaccessible to traditional fibres.

Take a major step at once, or do it successively.



Use Duo Microfibre mop



Use pre-prepared method & disposables



Use pre-prepared method & re-usables

- 1 Keep bucket method**

Switch to microfibre technology for superior contamination collection.

Double sided mopping will decrease your cleaning time by more than 50% and increase ergonomics.

Save up to 20%
- 2 Change to pre-prepared method**

Keep disposable utensils.

Benefit from a serious reduction in WFI water and chemical use plus ergonomic advantages.

Save up to 30%
- 3 Pre-preparation & re-usables**

Go for pre-preparation method, introducing re-usable utensils.

Full benefit from reduced total cost-in-use impact.

Save up to 40%



QUALITY

- Microfibre mops and wipes (100% PES) meeting up to ISO 5/GMP A+B/Class 100
- Independent validated cleaning efficiency



EFFICIENCY

- Lower labour cost due to one-step cleaning concept
- Reduced water and chemical (disinfectants) use of up to 50%



CONVENIENCE

- Pre-prepared mops (ready to use)
- Global partnership with preferred laundries for decontamination service
- Cleanroom laundered and packed wipes



ECO FRIENDLY

- Disposable and re-usable wipes concept
- High durability of mops meeting up to more than 40 sterilisation cycles
- Ergonomic features i.e no dipping/wringing/bending and use of heavy utensils

Global customer delight.

The best way to realise our credibility and delivered benefits are by checking out our customer references. Our testimonials from satisfied customers are extensive. Here are three from the list to get you started.

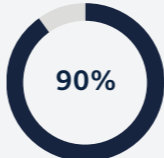
CUSTOMER & CHALLENGE

DELIVERED BENEFIT



SOLUTION:
Bucket method with disposable microfibre duo mop.

US viral vector facility, radioligand therapy manufacturer. Contamination control concerns at the facility and improvements required. No drainage system in the facility cleanroom environment.



Utilities & Chemical Saving



Labour Saving

- Sterile, disposable, pre-prepared double-sided mopping system introduced into the contamination control process at this facility.
- CE Duo provided high cleaning efficacy due to the mechanical cleaning action of our quality microfibre system, coupled with the added convenience of being a disposable system.
- The whole implementation delivered critical time savings due to cleaning operatives cleaning smarter not harder.
- Innovative product selection and packaging format also led to savings in waste plastic and chemical usage reductions.

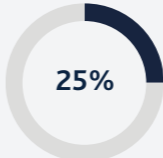


SOLUTION:
Bucket method with re-useable microfibre single-sided flat mop.

Chinese leading biopharmaceutical manufacturer. GMP external regulatory changes impacting the facility. Facility needed to improve the efficacy of their current contamination control process and protocol. Residue removal was a serious challenge for them.



Labour Saving



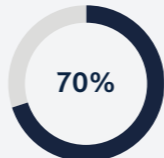
Chemical Saving

- Durable, single-sided, high quality microfibre mopping system introduced into the facility dramatically improved contamination control SOP's.
- The CE MicroControl mop system massively outperforms the current B&P system in every aspect.
- The system is fully autoclavable and offers low particle shedding and delivers highly efficacious mechanical cleaning performance.
- Touchless on/off system of mop pads greatly reduces the risk of cross contamination.
- The user controls the dosing of how much liquid is in the mop pad for disinfection and/or removal of contamination on the floor.

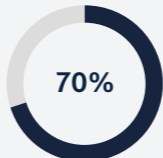


SOLUTION:
Pre-prepared method with re-useable duo flat microfibre mop.

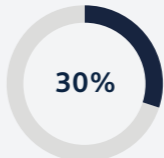
UK leading, premium biopharmaceutical manufacturer. Upgrading current contamination control disinfection systems across the facility. Improving contamination control SOP cleaning efficacy was an ongoing critical focus for this facility.



Utilities Saving



Chemical Saving



Waste Reduction

- Durable double-sided mopping system introduced with minimal downtime in the core production facility.
- Speed of implementation was of huge importance without compromising mechanical cleaning functionality or cleaning efficacy.
- Using our innovative and intuitive MicronSweep system resulted in a faster, more efficient implementation and integration into the facility.



Unrivalled contamination control, biocontamination pickup and residue removal performance.

Vileda Professional – a part of the Freudenberg Group

Vileda Professional provides innovative cleaning solutions for professional users in various application areas, such as General Building, Healthcare, HoReCa and Controlled Environment. With sales offices in all major European countries, in North America and Asia – and with a wide net of representatives – we are well located around the world. Vileda Professional belongs to the Freudenberg Group – a diversified, family-run global company, headquartered in Germany.



Discover more at
ce.vileda-professional.com

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