

vileda[®]
PROFESSIONAL



Cleanroom Cleaning

Product assortment

a brand of
FREUDENBERG



Vileda Professional is a world leader in manufacturing innovative cleaning and disinfecting systems used within Controlled Environments, Cleanrooms, Pharmaceutical, BioPharma, Medical Device, Electronics, Industrial, Medical, Food Service, Laboratories, Production Areas and Lab Animal Research. Facilities that are manufacturing products and adopting a contamination control program now have a resource! Vileda Professional offers solutions that help you clean faster and more effectively while lowering your total costs! With Vileda Professional's investments within Research and Development, we are dedicated to providing you the most innovative and effective cleaning solution available in the industry.

Vileda Professional is a member of the Freudenberg Group. The Freudenberg Group operates in 58 countries and employs more than 40.000 people.

We are working closely with leading laundry partners and distributors for this specific industry.

Thus, we are close to the customers and able to help on the site to get most value for money. Training and implementation is part of our everyday, service.

We are happy to help.

Cleanroom Cleaning

Assortment for Controlled Environment



Effective cleaning and full contamination control are the key to profitable production of pharmaceuticals and delicate microelectronics. Vileda Professional works to optimise cleaning in controlled environments offering functional and autoclavable utensils. We

are a competent partner with knowledge to help in almost all situations with the right solution and support. Vileda Professional supply cleaning equipment for Your entire facility and offer innovative cleaning systems for professional cleaning.

Cleanroom - classes							FED STD 209E equivalent		GMP EU classification				
ISO 14644-1 cleanroom standards									maximum particles/m ³ [16]				
Class	maximum particles/m ³								Class	At Rest		In Operati	
	≥0.1 µm	≥0.2 µm	≥0.3 µm	≥0.5 µm	≥ 1 µm	≥5 µm				≥0.5 µm	≥5 µm	≥0.5 µm	≥5 µm
ISO 1	10	2											
ISO 2	100	24	10	4									
ISO 3	1.000	237	102	35	8		Class 1						
ISO 4	10.000	2.370	1.020	352	83		Class 10						
ISO 5	100.000	23.700	10.200	3.520	832	29	Class 100	Grade A	3.520	20	3520	20	
ISO 6	1.000.000	237.000	102.000	35.200	8.320	293	Class 1.000	Grade B	3.520	29	352.000	2.900	
ISO 7				352.000	83.200	2.930	Class 10.000	Grade C	352.000	2.900	3.520.000	29.000	
ISO 8				3.520.000	832.000	29.300	Class 100.000	Grade D	3.520.000	29.000	n/a	n/a	
ISO 9				35.200.000	8.320.000	293.000	Room air						

Suggested application areas for items found in this catalogue

Front to back door

4 ISO Class 4 cleanroom

(Fed. Std. 209E rating is Class 10). Has no more than 352 particles per cubic meter equal to and larger than 0.5 microns.

5 ISO Class 5 cleanroom

(Fed. Std. 209E rating is Class 100). Has no more than 3.520 particles per cubic meter equal to and larger than 0.5 microns.

6 ISO Class 6 cleanroom

(Fed. Std. 209E rating is Class 1.000). Has no more than 35.200 particles per cubic meter equal to and larger than 0.5 microns.

7 ISO Class 7 cleanroom

(Fed. Std. 209E rating is Class 10.000). Has no more than 352.000 particles per cubic meter equal to and larger than 0.5 microns.

8 ISO Class 8 cleanroom

(Fed. Std. 209E rating is Class 100.000). Has no more than 3.520.000 particles per cubic meter equal to and larger than 0.5 microns.

 Suitable for autoclaving

 Check for stock and availability in your country

Suitable for cleanroom use

Test reports, certificates and proofs



Your cleanroom and controlled environment is our focus. Vileda Professional offers cleanroom products with proven quality that allow you to operate within required specifications. We offer cleaning solutions and innovative equipment for professional Cleanroom users.

With over 50 years in the business, we know what needs professional users in different environments are looking for. We know the latest cleaning techniques and how to avoid particle shedding and offer solutions that help you clean faster, more effective and to lower total costs.

Our products and equipment have been tested and validated by a third part and by our own labs. All certificates and test reports are available.

A collage of three documents related to cleanroom testing and validation. On the left is an 'Autoclave Test Report' for 'CE Du™ CleanTech™ Sponge'. The middle document is a 'Laboratory Report' from BMA LABOR, detailing test parameters and results for 'Controlled Environment Cleanroom Trolley'. On the right is a 'CLEANING VALIDATION' report for 'Microstrip System' with project number 'KIN46286CA'. The reports include technical specifications, test conditions, and photographs of the tested equipment.

CE Duo™ CleanTech™ Sponge

Microfiber cleaning and disinfecting for hard to reach areas



Vileda Professional adds to its CE Duo™ System of contamination control line of products with the introduction of the CE Duo™ CleanTech™ Sponge. The CE Duo™ Mopping System is proven to be an efficient and reliable cleaning system in the market for contamination control.

CE Duo™ CleanTech™ Sponge allows you to disinfect while cleaning hard to reach areas in cleanrooms and controlled environments. It's specially formulated foam provides a high degree of liquid release to achieve your contact time requirements with common disinfectants, while still reaching an exceptional cleaning performance with up to 99,99% bacteria removal*. Based on special absorbency and lay-down properties, the sponge offers valuable cost in use benefits specific to time and disinfectant usage.

Nothing beats microfiber

When it comes to cleaning performance and contamination control, microfiber is the name of the game! The unique composition removes contamination from surfaces and holds it within the sponge and exhibits a proven 4 log reduction*.

Application areas

This microfiber laminated cleanroom foam is ideal for cleaning/disinfecting all types of surfaces including hard to reach areas like behind equipment and piping, door handles, transition surfaces and all surfaces where a mop can not reach. As well as the equipment and furniture such as hoods, isolators, piping and cabinets. CE Duo™ CleanTech™ Sponge can be used with either bucket or pre-prepared method. The double sided, hand held design results in a higher degree of user control.

Designed for a use in cleanroom class ISO 5/GMP A + B/FED209D Class 100 and above.

* Validated by third party lag BMA



- ✓ Disinfect and clean hard to reach areas
- ✓ Unmatched liquid release (disinfection) performance
- ✓ Superior absorbency and spill pick up performance
- ✓ Proven microfiber technology cleaning performance
- ✓ Suitable for bucket and pre-prepared method

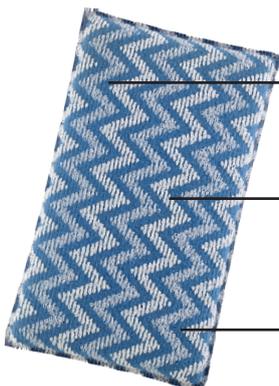
Case Code	Description	Size in inch	Case	Application
152763	CE Duo™ CleanTech™ Sponge	4 x 7 in	6/10	5 

Application Areas

CE Duo™ CleanTech™ Sponge



- Hinges
- Door handles
- Pipe fitting
- Table legs
- Cable outlets
- Manometers
- Tanks
- Tank legs
- Railings
- Funnels
- Wheels



Double sided material is RF welded together which affirm clean edges.

Microfiber overstitched and flame laminated to foam substrate for superior cleaning performance

Specially formulated Hydrophilic Polyurethane Sponge results in high liquid release for disinfecting



SpillEx

Easy removal of spill in your cleanroom



Super-absorbing, super safe

SpillEx is a disposable, ultrathin- and super absorbent pad made of polyethylene film on the top and polypropylene spun bond non-woven (hydrophilic treatment) material in the bottom.

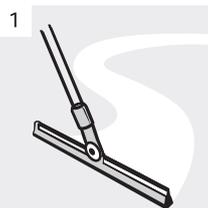
This disposable floor cloth is ideal for removing all kinds of water-based liquid. The high concentration of super absorbent material makes it possible to hold a big volume of liquid without dripping.

SpillEx is ideal for pre-cleaning in order to remove liquid contaminations followed by mopping. One pad absorbs 500-1200 mL.

Application area

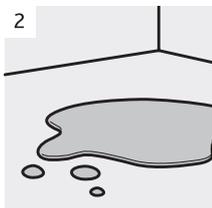
- ✓ High absorbency- SpillEx contains super absorbing polymers in a high concentration.
- ✓ No dripping or leaking- The absorbed liquid is transformed into gel, i.e. the liquid is bonded safe in the pad without dripping.
- ✓ Hygienic- Water-impermeable film on the bottom side allows a hygienic removal after use.
- ✓ No soiling of cleaning solution- When working with bucket method, the use of SpillEx prevents cleaning solution contamination which saves time and money.

Collect spill

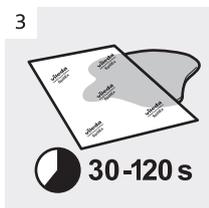


1_Collect the spill with the Squeegee in one area

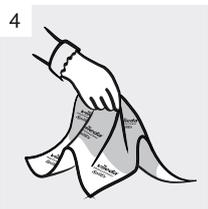
Place and absorb



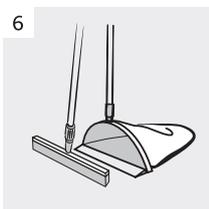
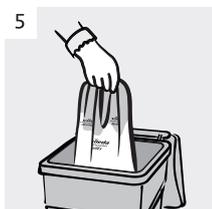
2-3_Place SpillEx over it, let it absorb and remove after a few minutes



Pick and dispose



4-6_Any broken glass or similar, can be removed with DustPan



Disposable super absorbent pads



SpillEx – Non sterile 7 + 🏠 🚰

✓ SpillEx – absorbent pad for spills and leakages

Easy removal of all kind of human liquids up to 5l (filtered water)

150738 51 x 37 cm



SpillEx – Sterile 5

✓ Gamma Irradiated absorbent pad for spills and leakages

Easy removal of all kind of human liquids up to 3,5l (filtered water)

150739 51 x 37 cm

Cleanroom Wipes

EvoControl™ wipes that cover all your needs

EvoControl™ is based on Evolon® – a patented fully inline production process. EvoControl™ is the next generation microfibre cloth manufactured from endless microfibres measuring 0.15 dtex (10 times finer than standard Polyester microfibres). The unique fabric combines very good textile and mechanical properties.

Remove contaminants in one wipe

Easily wipe spills and remove particles from a surface using a one step movement with EvoControl™ wipes. The EvoControl efficiency has been tested by an independent institute proving a 99.999 % bacterial removal from surfaces, without the use of disinfectants.

The key is the unique and patented Evolon® microfibre material. To you it means you save time, money and ergonomic stress.

Evenly distribute disinfectants

The balance between liquid absorbency and release to the surface is ideal for applying a film of liquid to surface in cleanroom areas.

EvoControl™ wipes have been developed and designed to hold the right amount of liquid, distributing it readily and evenly onto the surface, thereby reaching the desired and critical contact times.

Evolon® microfiber

The microfibers of Evolon® allow a high contact area of the wipe to the surface for superior cleaning results. EvoControl™ picks up liquid without leaving residues and has a significantly low particle release.



CE Wipes disposable



EvoControl™ 200 6

✓ Disposable precision cleaning wipe

Cleanroom packed, ready for use

142854 23 x 23 cm
142855 30.5 x 30.5 cm



EvoControl™ 400 4

✓ Disposable liquid cleaning wipe

Cleanroom packed, ready for use

142856 23 x 23 cm
142857 30.5 x 30.5 cm



PolyControl™ 400 4

✓ Rough surface wipe

Cleanroom packed, ready for use

142872 23 x 23 cm

	Low particle release	Bacterial & particle removal	Residue removal	Wiping of delicate surfaces	Wiping of rough surfaces	Wiping of glass & stainless steel	High absorbency required	Reusable (launderable)	ISO Class
EvoControl 200	●	●	●	●	●	●	●	●	6-9
EvoControl 400	●	●	●	●	●	●	●	●	4-9
PolyControl 400	●	●	●	●	●	●	●	●	4-9
EvoControl 500+	●	●	●	●	●	●	●	●	5-9

● Best ● Suitable ● Not recommend

MicroRoll

100% microfiber cleaning power

MicroRoll is designed as a semi-disposable cloth-on-a-roll concept containing 200 Swanlabeled sheets, made out of endless microfibers by utilizing a patented Freudenberg technology. No hygiene issues derived from cross-contamination. No requirement for investment in laundering facilities. Excellent value-for-money.

Top efficiency

MicroRoll makes 1-step cleaning possible. A better cleaning result in less time which is extremely important on delicate surfaces.

MicroRoll is suitable for the bucket method as well as for the spray cleaning method and can be used on all water resistant surfaces.



Tests

The data from the independent Microsearch Laboratories in the UK show that for all organisms the removal of MicroRoll was greater than 99.99%. The latest test from the Swedish independent laboratory Swerea shows requirement in SS-EN 13795:2011 + A1:2013 for medical textiles are:

Linting (Log₁₀): ≤ 4.0
Cleanliness-Particulate matter (IPM): ≤ 3.5



MicroRoll™ CE 7

- / Disposable 1 step cleaning
- / 100% endless microfiber
- / Greater than 99.93% removal of bacteria
- / 200 sheets per roll, 4 rolls per case

Cleanroom packed, ready for use
149146 35 x 25 cm

Microfibers

Thinnest fiber at the market

With our new patented micron technology, the fiber in MicronQuick is divided into 32 parts. Under hard water pressure we split the fiber into microfilament as thin as 0.075 dTex. It is during this process our endless fiber cloths are created.

New MicronQuick has a high capacity to pick up dirt and bacteria. It also provide a clean, streak and lint free result - especially on mirrors and stainless steel - all this in just one wipe.



The size of a microfiber is 1 dTex (10 000 meter fiber per gram) or 50 times thinner than a hair. Today development has gone further and we are down in microfilament in size.

CE Wipes durable



MicronQuick 5

- / Swan labeled microfibre cloth
- / Removes up to 99.9% of bacteria
- / Size: 38 x 40 cm

152105 Blue	152106 Red
152107 Yellow	152108 Green



Micro Tuff Plus 7

- / Removes up to 99.9% of bacteria
- / Size: 38 x 38 cm

111952 Blue	111953 Red
111955 Yellow	111954 Green



EvoControl™ 500+ 4

- / Contamination collector
- / Residue remover

Cleanroom packed, ready for use

142870	9 x 9 in
142870	12 x 12 in

Roll-O-Matic®

The self-wringing cleanroom roller mop

Effective cleaning and disinfection of clean and controlled environments while following strict monitoring procedures is a common and well-known challenge. With Roll-O-Matic® - the leading roller mop system on the global market - you can achieve excellent results quickly and effectively. Of course also reaching superior contamination control results.

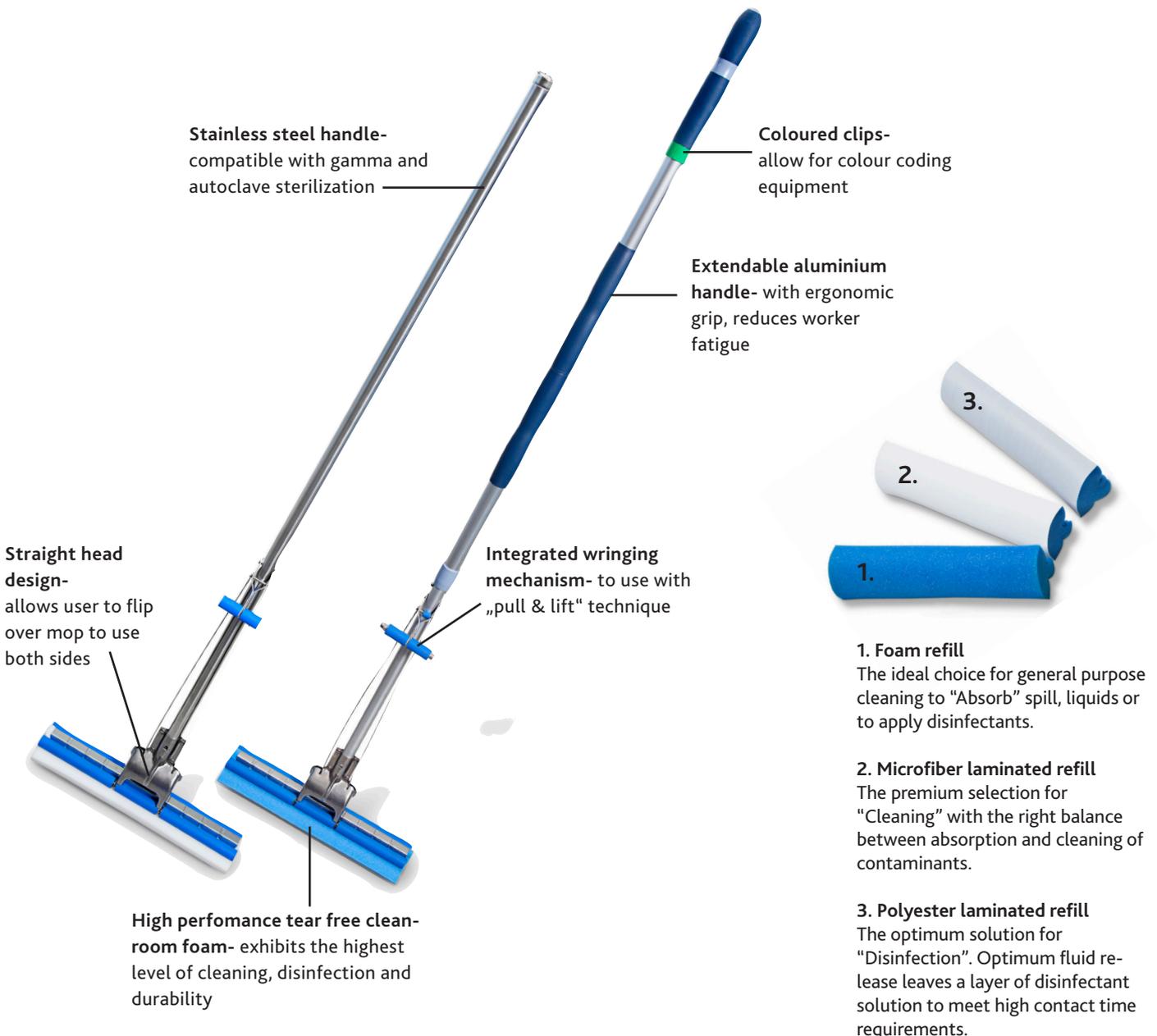
With a choice from three different Roll-O-Matic® refills, designed to absorb, disinfect or clean, the range perfectly meets the demands of any cleanroom or controlled environment.

Double bucket system does the trick

Superior contamination control results are guaranteed, no matter which Roll-O-Matic® solution you choose.

Options to use the systems with:

1. Vileda Professional CE Bucket Trolley with single or double bucket options, which separates clean chemicals or disinfectants from dirty solutions.
2. Separately single bucket only.



Stainless steel handle-compatible with gamma and autoclave sterilization

Coloured clips-allow for colour coding equipment

Extendable aluminium handle- with ergonomic grip, reduces worker fatigue

Straight head design- allows user to flip over mop to use both sides

Integrated wringing mechanism- to use with „pull & lift“ technique

High performance tear free cleanroom foam- exhibits the highest level of cleaning, disinfection and durability

1. Foam refill

The ideal choice for general purpose cleaning to "Absorb" spill, liquids or to apply disinfectants.

2. Microfiber laminated refill

The premium selection for "Cleaning" with the right balance between absorption and cleaning of contaminants.

3. Polyester laminated refill

The optimum solution for "Disinfection". Optimum fluid release leaves a layer of disinfectant solution to meet high contact time requirements.



Contamination control the fast and reliable way

The Vileda Professional Stainless Steel and Aluminum Extendable Roll-O-Matic® mops are the best choice when seeking one mop to apply disinfectant, clean surfaces or absorb spills in all production and controlled environments. These Stainless Steel Roll-O-Matic® mops are manufactured to resist repeated autoclave cycles and continued exposure to the common chemicals and disinfectants used in the controlled environment marketplace.

Perfect for use with the most popular "Pull and Lift" technique

The straight head design allows the user to flip the mop head after a specific number of strokes for extended use between wrings.

The Vileda Professional Roll-O-Matic® sponge mop refills are manufactured in the USA

The new "Advanced Technology" foam is manufactured specifically for the controlled environment industry allowing 25% more liquid absorption and two times more liquid release than competing foams. Each refill is completely autoclavable, resistant to gamma and ETO sterilization as well as individually packaged and lot number controlled. All Vileda Professional brand refills are ideal for use with the "Pull and Lift" technique most commonly used in controlled environments.

Self-wringing for fast and easy handling

Vileda Professional has been a leading player in the cleaning industry for over 50 years. Also working with many blue chip clients in the Controlled Environment market.

Naturally our products and systems meet business standards and practices such as ISO 14644-5, IEST RP CC018 and life science GMPs.

With more than 60 engineers and scientists constantly developing business-leading solutions, we know what you need to keep your cleanroom clean.



Roll-O-Matic® Original Galvanized Steel Sponge Roller Mop



- ✓ Original (4110 & 4114) Galvanized Steel Roll-O-Matic® Sponge Roller Mop
- ✓ Extremely lightweight
- ✓ Straight handle allows user to properly use the pull-and-lift technique with both sides of the mop
- ✓ Perfect for use especially on walls and ceilings. Also commonly used on floors
- ✓ Handle length is 48"

Case Code	Description	Size in inch	Case	Application
118534	10" ROM Sponge Roller Mop (4110)	10 x 48 in	6	7
118535	14" ROM Sponge Roller Mop (4114)	14 x 48 in	6	7

Roll-O-Matic® Original Stainless Steel Sponge Roller Mop



- Original (6210 & 6214) Stainless Steel Cleanroom Roll-O-Matic® Sponge Roller Mop
- Original Stainless Steel Cleanroom Roll-O-Matic Sponge Roller Mop in a 72" length for high walls and ceilings
- Entire mop handle is completely autoclavable at the most common autoclave cycles
- Cap is stainless steel and completely sealed
- Straight handle allows user to properly use the pull-and-lift technique with both sides of the mop
- Perfect for use on walls, floors and ceilings

Case Code	Description	Size in inch	Case	Application
118549	10" Stainless Steel ROM Cleanroom Mop, 48" long (6210)	10 x 48 in	1	5
118550	14" Stainless Steel ROM Cleanroom Mop, 48" long (6214)	14 x 48 in	1	5
126104	14" Stainless Steel ROM Cleanroom Mop, 72" long (Sponge not included)	14 x 72 in	2	5

Roll-O-Matic® Cleanroom Sponge Roller Mop with Aluminum Extendable Handle



- Colored tabs (blue, red, green and yellow) incorporated into the top of the handle allow for color coding of cleaning equipment
- Ergonomic grip reduces work fatigue
- Handle extends easily with turn of wrist from 58.5" to 76.25"
- Entire mop handle is completely autoclavable at the most common autoclave cycles
- Available in 10" and 14" wide versions
- Straight handle allows user to properly use the pull-and-lift technique with both sides of the mop
- Perfect for use on walls, floors and ceilings

Case Code	Description	Size in inch	Case	Application
120848	10" Aluminum Extendable Straight ROM Cleanroom Mop	10 x 58.5 to 76.25 in	1	5
122910	14" Aluminum Extendable Straight ROM Cleanroom Mop	14 x 58.5 to 76.25 in	1	5

Roll-O-Matic® CE "Disinfect" Sponge Refill with Polyester Lamination



- Polyester lamination allows for tear-free application of disinfectants, cleaning and spill absorption
- Evenly distributes disinfectants allowing optimization of manufacturer recommended contact times
- Unlike competitive products, this polyester is laminated to the foam without adhesives, which could contaminate surfaces
- Stainless Steel channel allows for multiple uses with multiple autoclave cycles
- Manufactured and sterilized in the USA | **Sterile**
- Validated to 10⁻⁶ SAL per ISO 11137 | **Sterile**
- Individually double bagged with Lot # and Indicator Dot on each package | **Sterile**
- Certificate of Sterility available upon request with each shipment | **Sterile**

Case Code	Description	Size in inch	Case	Application
149402	14" FHP CE "Disinfect" Refill with Polyester Sterile	14 in	12	5
119616	10" FHP CE "Disinfect" Refill with Polyester	10 in	12	5
119656	14" FHP CE "Disinfect" Refill with Polyester	14 in	12	5

Roll-O-Matic® Original Sponge Refill



- Original refills have been the standard in the professional and controlled environment industry for well over 30 years
- For use within all Roll-O-Matic® applications
- Autoclavable
- Manufactured and sterilized in the USA | **Sterile**
- Validated to 10⁻⁶ SAL per ISO 11137 | **Sterile**
- Individually double bagged with Lot # and Indicator Dot on each package | **Sterile**
- Certificate of Sterility available upon request with each shipment | **Sterile**

Case Code	Description	Size in inch	Case	Application
147547	14" Original Refill with Stainless Steel Channel Sterile	14 in	12	6
118770	10" Original (4110R) Refill with Galvanized Steel Channel	10 in	12	6
118771	14" Original (4114R) Refill with Galvanized Steel Channel	14 in	12	6
118807	10" Original (6210R) Refill with Stainless Steel Channel	10 in	12	6
118808	14" Original (6214R) Refill with Stainless Steel Channel	14 in	12	6

Roll-O-Matic® CE "Universal" Sponge Refill



- Perfect for general use within all controlled environments
- Absorb spills, clean particles and apply disinfectant
- Autoclavable
- Manufactured and sterilized in the USA | **Sterile**
- Validated to 10⁻⁶ SAL per ISO 11137 | **Sterile**
- Individually double bagged with Lot # and Indicator Dot on each package | **Sterile**
- Certificate of Sterility available upon request with each shipment | **Sterile**

Case Code	Description	Size in inch	Case	Application
147546	10" FHP CE "Universal" Stainless Steel Refill Sterile	10 in	12	
147548	14" FHP CE "Universal" Stainless Steel Refill Sterile	14 in	12	
119659	10" FHP CE "Universal" Galvanized Steel Refill	10 in	12	
119655	14" FHP CE "Universal" Galvanized Steel Refill	14 in	12	
119658	10" FHP CE "Universal" Stainless Steel Refill	10 in	12	
119654	14" FHP CE "Universal" Stainless Steel Refill	14 in	12	

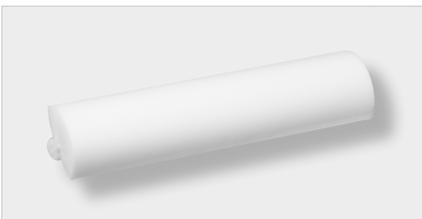
Roll-O-Matic® CE "Clean" Sponge Refill with Microfiber Lamination



- Microfiber lamination allows for a tear-free deep cleaning of contaminants and residues, while also applying disinfectant to the surfaces
- Unlike competitive products, this microfiber is laminated to the foam without the use of adhesives, which could contaminate surfaces
- Stainless Steel channel allows for multiple uses with multiple autoclave cycles
- Manufactured and sterilized in the USA | **Sterile**
- Validated to 10⁻⁶ SAL per ISO 11137 | **Sterile**
- Individually double bagged with Lot # and Indicator Dot on each package | **Sterile**
- Certificate of Sterility available upon request with each shipment | **Sterile**

Case Code	Description	Size in inch	Case	Application
149404	14" FHP CE "Clean" Refill with Microfiber Sterile	14 in	12	
119615	10" FHP CE "Clean" Refill with Microfiber	10 in	12	
119657	14" FHP CE "Clean" Refill with Microfiber	14 in	12	

Roll-O-Matic® CE "Absorb" Sponge Refill



- White CE Foam absorbs liquids four times quicker than common foam refills
- This white CE foam is extremely durable, and perfect for spill pick-up, also suitable for applying disinfectant and cleaning particles
- Autoclavable

Case Code	Description	Size in inch	Case	Application
121165	14" FHP CE "Absorb" Galvanized Refill	14 in	12	

CE Flat Sponge Mop Refill with Polyester Lamination



- Polyester lamination allows for tear-free application of disinfectants, cleaning and spill absorption
- Polyester allows for optimized manufacturer recommended contact times for disinfectants
- Unlike competitive products, this polyester is laminated to the foam without the use of adhesives, which could contaminate surfaces
- Fits common plastic and stainless steel flat mopping frames
- Autoclavable
- Manufactured and sterilized in the USA | **Sterile**
- Validated to 10⁻⁶ SAL per ISO 11137 | **Sterile**
- Individually double bagged with Lot # and Indicator Dot on each package | **Sterile**
- Manufactured and sterilized in the USA, validated to 10⁻⁶ SAL per ISO 11137 | **Sterile**

Case Code	Description	Size in inch	Case	Application
148961	16" Flat Mop with Polyester Lamination Sterile	16 in	45	
132123	CE Flat Sponge Mop with Polyester Lamination	16 in	50	

DuoMops for Cleanroom Cleaning

Two sides – Half the effort



The less time you spend on cleanroom cleaning, the less you interfere with keeping the core business running. The unique DuoMop concept is the perfect answer to meet the high demands for effective cleaning and disinfection of cleanroom and controlled environments. It is faster, easier and twice as efficient as traditional methods.

The DuoMops allow you to achieve your contact time requirements for common disinfectants, and still reach an excellent cleaning performance with up to 99.99% bacteria removal*. Quite simply, the CleanTech and SanTech DuoMops form the most efficient and reliable cleaning concept in the market for contamination control.

CleanTech Duo Microfiber Laminated Mop



- ✓ Microfiber laminated cleanroom foam for cleaning/disinfecting floors, walls and ceilings
- ✓ Adhesive-free lamination techniques are used to prevent additional contamination to your products
- ✓ Designed for use in cleanrooms up to class ISO 5/GMP A & B/FED209D Class 100
- ✓ Excellent microfiber cleaning results have been independently proven bacteria reduction of 99.997 %
- ✓ Suitable for bucket and pre-prepared method
- ✓ Manufactured and sterilized in the USA | **Sterile**
- ✓ Validated to 10⁻⁶ SAL per ISO 11137 | **Sterile**
- ✓ Individually double bagged with Lot # and Indicator Dot on each package | **Sterile**
- ✓ Certificate of Sterility available upon request with each shipment | **Sterile**

Case Code	Description	Size in inch	Case	Application
147544	CleanTech Duo Microfiber Laminated Mop Sterile	19.7 in	45	
141886	CleanTech Duo Microfiber Laminated Mop	19.7 in	50	

SanTech Duo Polyester Laminated Mop



- ✓ Polyester laminated cleanroom foam for disinfecting floors, walls and ceilings
- ✓ Adhesive-free lamination techniques are used to prevent additional contamination to your products
- ✓ Designed for use in cleanrooms up to class ISO 5/GMP A & B/FED209D Class 100
- ✓ Excellent liquid absorbency
- ✓ Suitable for bucket and pre-prepared method
- ✓ Manufactured and sterilized in the USA | **Sterile**
- ✓ Validated to 10⁻⁶ SAL per ISO 11137 | **Sterile**
- ✓ Individually double bagged with Lot # and Indicator Dot on each package | **Sterile**
- ✓ Certificate of Sterility available upon request with each shipment | **Sterile**

Case Code	Description	Size in inch	Case	Application
147545	SanTech Duo Polyester Laminated Mop Sterile	19.7 in	45	
141887	SanTech Duo Polyester Laminated Mop	19.7 in	50	

Reusable cleaning equipment

Suitable up to ISO 4 (GMP A/B)

Challenge

To produce a system for increased contamination control and decrease the total cost-in-use whilst contributing to the sustainability programme.

Solution

Taking advantage of the experience of developing re-usable microfibers since 1980. Add our many years of cleanroom experience developing a mop system which removes particles, organisms and other contaminants in one step.

By using the revolutionary pre-preparation method which not involve immersion you exclude cross-contamination within and between rooms. The pre-preparation method contributes to an effective reduction in the use of water and chemical disinfectants, supporting cost-in-use and waste water management.

The re-usability of the mops- up to 50 decontamination and sterilization cycles, contributed to a substantial decrease in total cost of ownership by using a laundry partner of Vileda Professional.



Cleanroom laundries

We are working closely together with validated cleanroom laundries. With their expertise of laundering textiles for cleanrooms combined with our knowledge of cleaning equipment and methods, we can offer a state of the art solution tailor made for your production and your team.



Main focus

- Zero cross contamination
- Minimizing biofilms and residues
- Removing contamination
- Ergonomic cleaning
- Minimizing landfill

MicroControl mop

Cleanroom cleaning with control

The pre-prepared method. Fast, effective, sustainable

Using pre-prepared cleaning tools is the superior way to achieve a controlled cleaning process. By changing to a new clean mop head for every room or area, cross-contamination is effectively avoided.

All mops are evenly impregnated through a highly developed pre-preparation method – just fold the mops in the pre-boxes and use the sieve to dose. The result is no risk for contamination and no more heavy

buckets or trolleys with chemicals or disinfectants in your cleanroom.

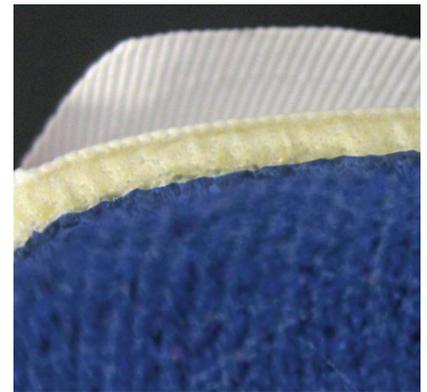
With just one single mopping system needed for cleaning floors, walls and ceilings you will benefit from the most effective usage of both your mops and impregnation chemicals. Plus they are prepared with your own validated chemicals or disinfectants.



The patented edge cleaning lip design allows for effective cleaning of corners, skirt boards etc. Straight and clean design with no dirt traps.



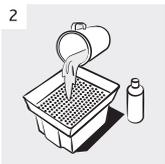
Ergonomic performance and high efficiency due to the Vileda pre-prepared method. One cleaning tool for floors, walls and ceilings.



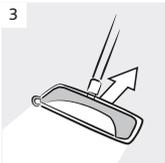
Multilayer design with sealed edges for high absorbency, low particle shedding and top stability.



1 Mops are placed in a Pre-box and pre-dosed with water and chemicals



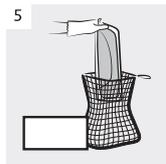
2 Mops are left in Pre-box for 10 minutes to absorb the cleaning or disinfectant solution and then placed on the trolley



3 When the operator enters the room/area to be cleaned, a clean mop is taken from the Pre-box and placed onto the frame



4 Once the room/area (max. 20 m²) has been cleaned the mop is removed from the frame and placed into a washnet/box for laundering (internal or external)



5 A clean mop is then taken from the Pre-box to continue mopping or for use in the next room/area

Tested for ISO class 2 by Fraunhofer

MicroControl mop



- Patented edge cleaning lip design allows for effective cleaning of corners, skirt boards etc.
- Multilayer design with sealed edges for high absorbency

Case Code	Description	Size	Application
149000	MicroControl mop	35 cm	5
140708	MicroControl mop	50 cm	5

Fraunhofer
TESTED®
DEVICE

Vileda GmbH / Vileda Professional
MicroControl Mop
Report No. FR 1507-775

Qualification Certificate

This is to certify that the product mentioned above, provided by Vileda GmbH / Vileda Professional Washnets, Germany

Has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number FR 1507-775.

When dry and operated under the specified test conditions, the MicroControl Mop is suitable for use in cleanrooms fulfilling the specifications up to the following Air Cleanliness Class according to ISO 14644-1:

Parameter	Air Cleanliness Class
Total concentration $n \ge 0.5 \mu m$	2
Colony forming units (CFU) $n \ge 1 \mu m$	2

This is equivalent with ISO Class 2 according to ISO 20858-2.

The validity of this certificate expires only in the mentioned product in the particular condition for a duration of 5 years.

Further information: www.tested-device.com

Detailed information and parameters of the test environment can be found in the attached test report.

Shilgart, August 12, 2019

Fraunhofer IPA

MicronSweep™

Cost-effective, high-quality one step cleaning concept

Minimise inconsistent cleaning, biofilm build up and unnecessary turbulence of particles created by the cleaning regime by using the MicronSweep™. For the MicronSweep™ one step cleaning concept we thought about all the details that are important in a cleanroom.

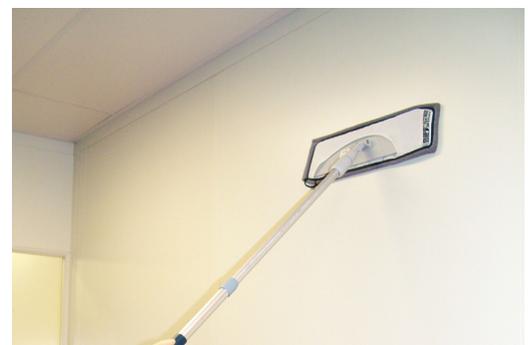
MicronSweep™ is a complete, reusable time-saving, ergonomic cleaning system designed to minimise traffic and chemicals in cleanrooms that operate in ISO 4/5. A fully validated cleaning concept.

- ✓ The special Microfibre mops and wipes are pre-moistured by the operator in a systematic way before entering the cleanroom to avoid water being brought in.
- ✓ Ergonomic lightweight mopping system ensures ease of consistent cleaning, even on walls and ceilings.
- ✓ No need to go over the floors twice, since the concept is designed to clean and dry the floor in one step. Contamination is virtually eradicated and of course cost savings are achieved.

In a service set-up with our laundry partners we provide an automated and consistent laundry process including sterilisation. We collect, clean and deliver the sanitised mops and wipes to suit your needs in a systematic set-up, plus provide full documentation.

Embedded RFID chips give you full traceability, overview and control of the number of mops and wipes in circulation, and also if cleanroom operators use the correct number during cleaning.

N.B. Only available through our cleanroom laundry partners.



All materials and hardware used in the MicronSweep™ concept can be sterilised.

CE Mops durable



Swep Duo MicroPlus mop 8 SSS

- Swan labeled microfiber mop

143813 35 cm
143815 50 cm



Swep Duo MicroCombi SSS

- Swan labeled microfibre mop

143807 35 cm
143809 50 cm



Swep Duo Safety Plus mop 8 SSS

- Microfibre mop for scrubbing

147474 35 cm
147477 50 cm



Swep Single Safety 7 SSS

- Microfibre mop for scrubbing

147478 35 cm
147479 50 cm



MicronSleeve mop 5 SSS

- Used with T-bar

Cleanroom packed, ready for use

141623 35 cm



Swep Single MicroPlus 7 SSS

- Swan labeled microfiber mop

143833 35 cm
143834 50 cm

CE Frames for mops



Duo plus frame 5 SSS

143062 35 cm
137878 50 cm



Swep MultiDuster 7

- Bendable pipecleaner
- Ideal for hard to reach areas

151612 Mop 50 cm
151612 Frame 66 cm

CE Handles



Telescopic handle 5 SSS

- Adjustable 100–180 cm

119966 Colorcoded
111380 Blue



T-bar for MicronSleeve 5 SSS

- IPA/Ethanol prove

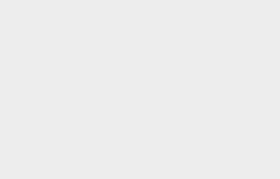
9000004 35 cm



Evolution telescopic handle 5 SSS

- Adjustable
- Can be used with T-bar
- IPA/Ethanol prove

100148 2 x 1.25 m
100150 3 x 2 m
100149 2 x 2 m



CE MultiDuster 5 SSS

- Bendable pipecleaner
- Ideal for hard to reach areas

COMING SOON

CE Accessories



Dustpan – Sweeper 5

- Open Lobby (metal) plate
- Sweeper with handle
- IPA/Ethanol prove

119914 Dustpan, height 86 cm
119908 Sweeper, height 96 cm
114465 Refill blades 35 cm



Multi Squeegee 5 SSS

114472 50 cm
114468 Refill blades 50 cm



Training and understanding

Cleaning in sterile and non-sterile environments

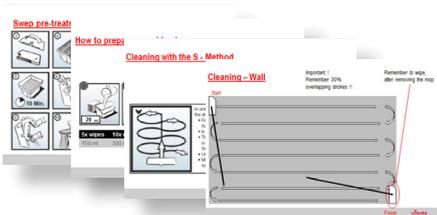
It doesn't matter if the cleaning is performed by own operators or cleaning staff, an internal or external contractor- the main point for everybody is to understand why cleaning and disinfecting is needed.

Cleanrooms must be cleaned according to current standards and regulations. Vileda Professional ensure compliance through tailored training programmes with guidance and instructions of how to use the Vileda method and equipment in the best way.



Introduction and training

Cleaning in sterile and non sterile environments



Cleanroom Cleaning Certificate

Vileda Professional offers certified training for cleaners working in ISO07/ (GMP Grade C) or cleaner.

Cleaning with competence are the keywords for everyone inside the pharmaceutical industry which is why Vileda Professional has developed a training programme which includes exam and a signed certificate.

Please check if Vileda Professional is able to offer this certification in your region!



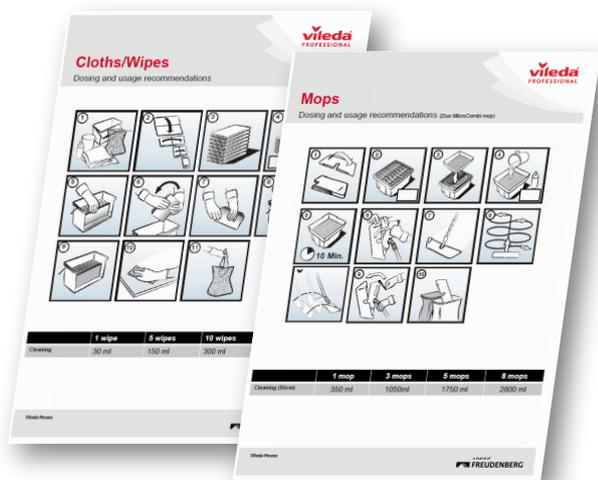
Guides and manuals

Support and how to use equipment for controlled areas

As part of our Cleanroom Systems Solutions, Vileda Professional provides a range of training material to make a change of the cleaning regime as smooth as possible.

The understanding of the equipment is crucial and it is of highest importance that all cleaning staff know how to use and utilize the methods.

We provide effective instruction manuals, dosing guides, How-to-use manuals and other useful material. Since the guides mainly consist of pictograms, the instructions are very easy to use and understand.



Pre-preparation for cleanroom



All cleanroom areas has various requirements and with the right cleaning methods we can guarantee you a perfect result. The pre-preparation method of Vileda Professional is well tested and validated, used for years in top 10 global phamaceuticals.

The pre-preparation method for microfibers allows the mops to remove contamination with the exact amount of disinfectants.

On-site training and tailor made education is part of our offer in order to succeed with your new cleaning regime. This makes it also work for both the Q&A and the cleaning staff. The unique pre-preparation method developed by Vileda Professional offers the most safe and environmentally friendly method on the market.



Special preparation of all needed mops for the area is carefully dosed before the cleaning starts. After accomplishing the pre-preparation method, your mops are perfectly pre-moist and ready to use. No dipping or rinsing of mop heads, only replace the mop and continue cleaning or disinfecting.

The pre-preparation method is the winning system for many of our end users using our reusable cleaning concept and further more, we have a proposal for changing the SOP. A proposal we offer to all new customers using our MicronSwep system, to support the Q&A team to change the SOP.

	Made by: Allan Zacho Specialist Cleaning Controlled Environment and Cleanroom	Date: July 2013	Document ID: 004
	Title: MICRONSWEP™ - EVOCONTROL™ CLEANING SYSTEM & METHOD		Page 1 of 5
<p>1.0 Introduction</p> <p>Micron Swep is an aseptic cleaning system that removes the majority of microorganisms present on surfaces via microfiber mechanical cleaning action, while applying enough disinfectant chemical to kill any microorganisms that may not have been removed mechanically. This strategy differs from our current cleaning/disinfection programme which</p>			



Do you want to find out more? Contact us for more information.

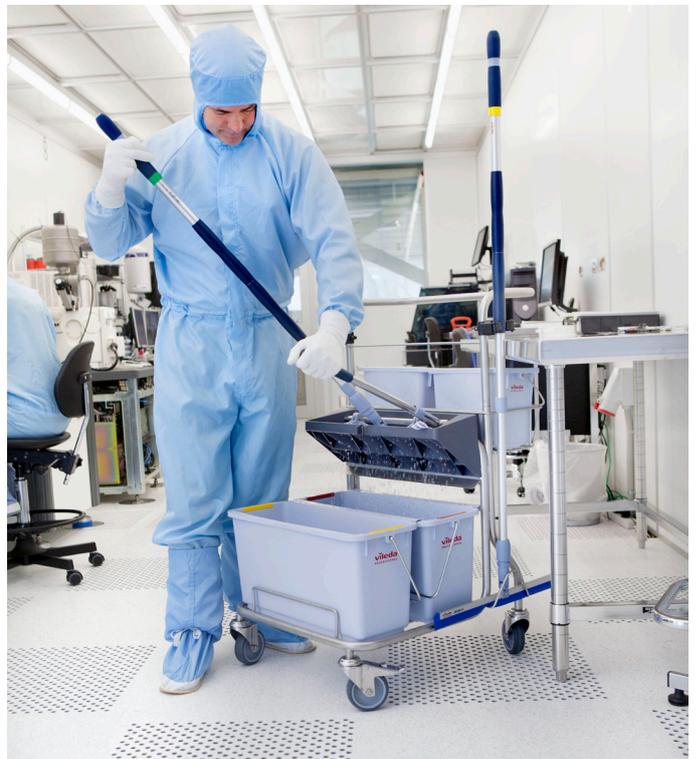
2 or 3-Bucket system

MicronSweep™ Duo mop

Our new MicronSweep™ Duo mop is uniquely developed for cleanroom cleaning and is not available in ordinary shops and stores. The sizes are 35 cm or 50 cm.

MicronSweep™ Duo has externally been proven bacterial removal on floor, wall and ceiling surfaces. It has an extremely low particle shedding of microfiber mops- up to ISO 5 (GMP A/B).

MicronSweep™ Duo is suitable for Duo Press™ bucket trolley where you choose the desired contact time.



According to ISO 17665, Berendsen has accomplished 50 autoclaving cycles (134°C/ 5 min) and 50 washes (70°C/ 10 min) without MicronSweep™ Duo show any damages and still fits on the frame.



Mop	Dry weight	Pre-preparation	Contact time	m ²
MicronSweep™ Duo	135 g	400 ml	7-8 min	15

Controlled Environment Trolleys

Trolleys that meet the highest cleanroom standards



The CE Trolley range has been specifically designed and developed for use in controlled environments where maximum contamination control is needed. The trolleys are electro-polished stainless steel with air tight connections and smooth weldings. This ensures excellent biological control while being easy to clean and fully autoclavable. The trolleys are extremely functional and versatile with superior ergonomics. Both trolleys offer ample space for all utensils needed for effective cleaning and are fully customizable to meet your exact needs.

The trolleys offer ample space for all utensils needed while clean-

ing effectively. Each trolley can be customized with various buckets, boxes, sieves and bin bags and can be used with Vileda Professional Dip-N-Go sieve. This is ideal for areas that require high disinfection contact times.

When designing these trolleys, the focus was maximizing contamination control and this is why we electro polished our stainless steel, provided true smooth weldings and ensured fittings. The trolleys are easily wiped down or disassembled and autoclavable.



Bucket/Wring (Grade A/D)



Prepared (Grade A/C)



Prepared /Grade D/CNC

CE Pre-Prepared Trolley



Working Station

Top shelf with fixed box position for 1 pre-box or 2 x 6l buckets.



Frame Holders

Two mop frame holders, one on each side.



Bin-bag holder

70l bin bag holder to dispose of used mops.



Handle Holders

Two stainless mop handle holders on each side.



Storage Area

Store your pre-prepared mop box or 25l long bucket.



Support Bar

Support bar for optional Dip-N-Go Sieve.

CE Bucket Trolley



Working Station

Storage area on rear of trolley fitting 25l long bucket or 2 x 6l buckets.



Frame Holders

One on each side allowing for storage of various sized mops including Roll-O-Matic and DuoMops.



Handle Holders

Two stainless mop handle holders, one on each side allowing fixation of handles.



Support Bars

Support bar for DuoPress Wringer or Dip-N-Go Sieve, Support Plate and commonly used industry wringers.



Cleanroom Casters

Autoclavable. Extremely quiet. Each trolley is equipped with four casters, two with brakes.



Color coded bucket system

Single, double, or triple bucket options. Buckets include color coded clips allowing full color coding.

GMP Micro Trolley



3rd bucket extension

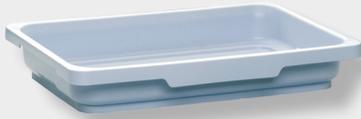


Also available:

- 🔪 Stainless Steel Bucket 6L with lid
- 🔪 Stainless Steel Mopbox with lid

Case Code	Description	Size	Case	Application
143774	CE Pre-Prepared Trolley	65.3 x 62.2 x 103 cm	1	5
141926	CE Bucket Trolley	77 x 70.7 x 94.8 cm	1	5
125982	GMP Micro Trolley	67 x 52 x 104 cm	1	8

Trolley Support Half Tray



- For use on the CE Pre-Prepared Trolley
- Stores two 6L buckets or one pre-prepared box
- Autoclavable

Case Code	Description	Size in inch	Case	Application
120813	Trolley Support Half Tray	15.5 x 11 x 2.5 in	5	

DuoPress Wringer



- For use on the CE Bucket Trolley with the bucket method
- 100% Polypropylene chassis and stainless steel lever
- Effective wringing of DuoMops
- Ergonomic lever for maximum pressure with minimum effort
- Autoclavable

Case Code	Description	Size in inch	Case	Application
120788	DuoPress Wringer	21 x 9 x 6.3 in	1	

CE Bucket Dolly Sieve



- Use when high disinfectant contact times are needed or deep wringing is not required
- Can be used with CE Pre-Prepared Trolley and CE Bucket Systems Trolley
- Stainless Steel
- Autoclavable

Case Code	Description	Size in inch	Case	Application
149609	CE Bucket Dolly Sieve	58,5 x 13,0 x 13,0 cm	10	

Sieve for pre-prepared box



- For use on the CE Bucket Trolley or the CE Pre-Prepared Trolley
- Autoclavable

Case Code	Description	Size in inch	Case	Application
120779	Sieve for 6L Mop Box	16 x 12 x 5 in	3	

22l Long Bucket



- For use on the CE Bucket Trolley or the CE Pre-Prepared Trolley
- Liquid measurement lines molded inside of bucket
- Color coding clips included to allow differentiation in colors of buckets (red, blue, green, yellow)
- Polypropylene bucket with stainless steel handle
- Autoclavable

Case Code	Description	Size in inch	Case	Application
131662	22l Long Bucket with Color Coding Clips	22 x 10 x 11 in	5	

Coming soon

Stainless Steel Mopbox with lid & Stainless Steel Bucket 6 L with lid

- For use on the CE Bucket Trolley or the CE Pre-Prepared Trolley
- Autoclavable

Case Code	Description	Size in inch	Case	Application
149776	Stainless steel Mopbox with lid	32.5 x 26.4 x 20.0	1	
149778	Stainless steel 6 L bucket with lid	26.5 x 16.2 x 20.0	1	



Pre-Mop Box



- ✓ For use on the CE Bucket Trolley or the CE Pre-Prepared Trolley
- ✓ Can be used for the pre-prepared method or as storage
- ✓ Easily stacked
- ✓ Color coding clips included to allow differentiation in colors of buckets (red, blue, green, yellow)
- ✓ Lid (sold separately) snaps on to the Pre-Prepared Box easily and securely
- ✓ Sieve (sold separately, not pictured) pierced with holes to ensure even dosing of mops
- ✓ Autoclavable

Case Code	Description	Size in inch	Case	Application
120774	Pre-Prepared Box	15 x 11 x 8 in	5	5
120780	Lid for Pre-Prepared Box	15 x 11 x 4 in	5	5
120779	Sieve for Pre-Prepared Box (not pictured)	16 x 12 x 5 in	3	5

6L Bucket



- ✓ For use on the CE Bucket Trolley or the CE Pre-Prepared Trolley
- ✓ High quality polypropylene buckets
- ✓ Color coding clips included to allow differentiation in colors of buckets (red, blue, green, yellow)
- ✓ Autoclavable

Case Code	Description	Size in inch	Case	Application
120942	6L Buckets	12 x 8 x 8 in	10	5
125948	Lid for 6L Bucket (not pictured)	12 x 8 x 5 in	12	5

CE Bucket dolly



CE Bucket Single dolly

- ✓ A very stable and solid 22l polypropylene plastic bucket
- ✓ Perfect fit to our disposable CE DuoMop heads
- ✓ Sieve not included

149622 Single Bucket Dolly
149609 Sieve



CE Double Bucket dolly

- ✓ Double bucket 2 x 22l polypropylene plastic bucket. Included stainless steel chassis. Perfect fit to our disposable CE DuoMop heads
- ✓ Sieve not included

149624 Double Bucket Dolly
149609 Sieve

CE UltraSpeed Pro for cleanroom use

Easy bucket system for small controlled areas

Soon to be launched!

UltraSpeed will soon be launched as a CE concept including disposable and reusable mop heads. Ideal for small controlled areas.



Hera

Control your waste in controlled environments

The Hera range of pedal bins comply with HACCP recommendations for hands free operation, making them ideal for use in a variety of application areas where it is crucial to avoid cross contamination.

The slow closing lid is ideal for use in quiet environments, and the integrated bag holder and anti slip rubber feet are just some of the advantages incorporated into the design.

- ✓ 3 sizes - 35l, 60l and 85l
- ✓ Large pedal
- ✓ Overlapping lid design
- ✓ Integrated bag holder
- ✓ Smooth design
- ✓ Anti-slip rubber bumpers



Art.no	Case	TSU	Description	Colour	Size	Pieces/pack	Packs/Case	Art.no Pack BCU
137678	!		Hera - 35 L Pedal Bin	Red	39 x 39 x 44	1	1	137746
137679	!		Hera - 35 L Pedal Bin	Blue	39 x 39 x 44	1	1	137747
137680	!		Hera - 35 L Pedal Bin	Yellow	39 x 39 x 44	1	1	137748
137681			Hera - 35 L Pedal Bin	Black	39 x 39 x 44	1	1	137749
137682			Hera - 35 L Pedal Bin	Beige	39 x 39 x 44	1	1	137750
137683			Hera - 35 L Pedal Bin	White	39 x 39 x 44	1	1	137751
137684	!		Hera - 60 L Pedal Bin	Red	39 x 39 x 69	1	1	137752
137685	!		Hera - 60 L Pedal Bin	Blue	39 x 39 x 69	1	1	137753
137686	!		Hera - 60 L Pedal Bin	Yellow	39 x 39 x 69	1	1	137754
137687			Hera - 60 L Pedal Bin	Black	39 x 39 x 69	1	1	137755
137688	!		Hera - 60 L Pedal Bin	Beige	39 x 39 x 69	1	1	137756
137689			Hera - 60 L Pedal Bin	White	39 x 39 x 69	1	1	137757
137690	!		Hera - 85 L Pedal Bin	Red	39 x 39 x 79	1	1	137758
137691	!		Hera - 85 L Pedal Bin	Blue	39 x 39 x 79	1	1	137759
137692	!		Hera - 85 L Pedal Bin	Yellow	39 x 39 x 79	1	1	137760
137693			Hera - 85 L Pedal Bin	Black	39 x 39 x 79	1	1	137761
137694	!		Hera - 85 L Pedal Bin	Beige	39 x 39 x 79	1	1	137762
137695			Hera - 85 L Pedal Bin	White	39 x 39 x 79	1	1	137763

Vileda Professional - a part of the Freudenberg Group



Vileda Professional provides innovative cleaning solutions and systems 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, Australia 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 with headquarter in Germany. All business is done via selected partners.



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