Diversey™

ClearKlens



Hygiene Solutions

Dependable and sustainable hygiene solutions
for the Life Sciences Industry

Diversey

ClearKlens



The ClearKlens® Range

Dependable and sustainable hygiene solutions for the Life Sciences industries.

Protecting Production Integrity - efficiently

From sterile disinfectants to clean-in-place wash down systems, ClearKlens solutions deliver dependable cleaning results while enhancing the efficiency and sustainability of your operation.

Developed to meet the specific needs of the Life Sciences Industry manufacturing facilities, the comprehensive range of ClearKlens hygiene solutions can be relied on to protect your production integrity - efficiently.

ClearKlens – Peace of Mind

- ClearKlens – Non Sterile
  - Cleaning In Place
  - Open Plant Cleaning
- ClearKlens – Sterile
- Equipment Solutions
- Personal Care
- Facility management



One stop shop for all your cleaning and hygiene needs

When you partner with Diversey you can fully rely on us for all your cleaning and hygiene needs. Our team will make sure to upgrade your hygiene programs to world class while keeping your spend in control. Whether it is personal hygiene, sanitization programs for high care areas, cleaning program for any equipment or surface, floor cleaning machines or any other hygiene need, we have the solution.

Partnering with our customers to solve hygiene challenges

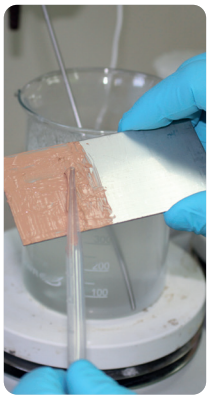
We have created several pioneering applications for the Pharma Industry, including aqueous cleaning of API's, a wide membrane CIP product range, optimized CIP programs for vessels, rotational floor disinfection programs with a broad spectrum of chemistry, optimized packaging for sterile disinfectants and cleaners and more. We are always keen to work closely with our customers on unique cleaning and hygiene issues and develop robust solutions to the challenge and ensure safe production.











TOTAL SOLUTIONS APPROACH

Sterile detergents and disinfectants for surfaces.

CIP detergents and disinfectants. Engineering optimization

Finding the most adequate detergent : DSP

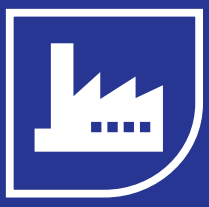
Key features

The ClearKlens product range streamlines the validation process ensuring:



BPR Supported Formulation

The Biocidal Products Regulation (BPR) requires biocidal products to be registered with the European Union and will become the standard for all member states. As a significant investment per formulation you can be rest assured that Diversey ClearKlens is committed to the pharma sector and ensuring that we have a product range that is fit for the purpose.



Manufactured in a controlled environment to cGMP

The ClearKlens range is manufactured to cGMP principles (ISO 22716). Our sterile range is manufactured in cleanrooms accredited to the same standards as the cleanrooms the products are designed to be used in.



Tested to relevant standards

ClearKlens biocides are tested against relevant standards to prove efficacy against bacteria, fungi and spores. Full test data is available on request.



Standard, protected worldwide formulations

The formulations of ClearKlens products are standard across the globe and are protected from change, ensuring no changes will be made unless for reasons beyond Diversey's control and with extended notice.



Supported with full technical documentation package

The ClearKlens range is supplied with a document package containing relevant documentation including: Certificate of Analysis, Certificate of Irradiation, Certificate of Sterility, Copies of the test data, TOC and LD50 data, HPLC test methods for residues, manufacturing specifications and process and packaging specifications where applicable.



Packaging integrity

The ClearKlens sterile range is manufactured in sterile conditions to ensure the integrity of the product. Our packaging has been rigorously tested to ensure the integrity of the product is not compromised before or during use.

Proven Efficacy

	Product Name	Bactericidal			Fungicidal	Yeasticidal		Sporicidal	Virucidal
	ClearKlens Non Sterile	EN 1276	EN 13697	EN 14348 (Mycobacterium avium, Mycobacterium terrae)	EN 1650	EN 1650	EN 13697	EN 13704	EN 14476 (Poliovirus and Adenovirus)
Alcohols	CK IPA	✓	✓			✓	✓		
	CK DE	✓	✓			✓	✓		
Daily disinfectants	CK Tego 2000 SC	✓	✓			✓	✓		MVA*
	CK Tego 2000 SS/RTU	✓	✓			✓	✓		MVA*
	CK Cleansinald SC	✓	✓			✓	✓		
	CK Cleansinald RTU	✓	✓			✓	✓		
Sporicides	CK Bi-Spore	✓	✓		✓	✓	✓	✓	✓
	CK Oxifast	✓	✓			✓	✓	✓	✓
CIP	CK Activ	✓	✓	✓	✓	✓	✓	✓	✓
	CK Mega HP	✓	✓		✓	✓	✓	✓	✓

*Modified vaccina virus Ankara

Glossary of Standards

Test method	Test organism	Product pass concentration/time	Temperature	Reduction (lg)
EN 1276	Staphylococcus aureus – Pseudomonas aeruginosa – Enterococcus hirae – Escherichia coli	5 minutes	20°C	≥ 5 log
EN 13697	Staphylococcus aureus – Pseudomonas aeruginosa – Enterococcus hirae – Escherichia coli	5 minutes	20°C	≥ 4 log
EN 14348	Mycobacterium terrae – Mycobacterium avium	60 minutes	20°C	≥ 4 log
EN 16615 (May 2015)	Staphylococcus aureus – Pseudomonas aeruginosa – Enterococcus hirae – Candida albicans	1-5 minutes	Between 4-30°C	≥ 4 log for yeast / ≥ 5 log for bacteria
EN 1650 + A1 (July 2013)	Candida albicans – Aspergillus brasiliensis	15 minutes	20°C	≥ 4 log
EN 14476 + A1 (Oct 2017)	Poliovirus – Adenovirus– Norovirus and Parvovirus (only for instruments....)	**Hands:** between 30 s and 3 min **Surface:** no longer than 5 min (for surfaces in contact with patient or medical staff) or no longer than 60 min (for other surfaces)	**Hands:** 20°C **Surface:** 4-30°C	≥ 4 log
EN 13704	Bacilus subtilis	60 minutes	20°C	≥ 3 log

Open Plant Cleaning (OPC)

It is easy to clean a horizontal surface, however cleaning becomes difficult for vertical surfaces and equipment without CIP using traditional methods of cleaning. As a result these are often left unclean or partially cleaned. Low Pressure Foam / Gel cleaning techniques offered by Diversey brings to you a number of advantages.

- Effective cleaning of intricate, non-approachable places
- Low pressure avoiding aerosol formation
- Products safe for people and the environment
- Cleaning with minimum human effort leading to consistent results

You will find a Diversey product to satisfy every cleaning need, for all kinds of soil, on every surface within your plant. Our unique combination of products (manual/foam/gel), machines, services, technical support, training and systems makes Open Plant Cleaning quick, efficient and effortless.

API Cleaning

Traditionally APIs have been cleaned using solvents. Cleaning with solvents is expensive, time consuming, hazardous to environment and harmful for workers. Most solvents are also flammable in nature making the open-manual activity even more hazardous.

Diversey brings the technology to clean APIs with aqueous detergents. Our proprietary formulations for API cleaning have been tested with more than 100 APIs achieve improved cleaning with a safe, convenient, quick and eco-friendly technology.

Cleaning Mixing Vessels, Sidepots, etc.

We have developed products and systems for cleaning, deodorizing and disinfection of equipment in cosmetic plants. Our range of machines makes cleaning safe and convenient for equipment without CIP systems.

Tablet Coating Machines

We have developed proven cleaning programs for cleaning of tablet coating polymers including Eudragit brand products and HPMC.

Excipient and Powder Formulations Cleaning

We work closely with our customers to choose/ develop custom cleaning program for different formulations and excipients. Contact us with the cleaning challenges faced at your site!







ClearKlens Sterile Range

These products are dedicated for the cleaning and/or disinfection of clean rooms surfaces and equipment.

All products are at least double bagged and supported by full documentation in order to streamline the validation process.

- Manufactured in a cGMP controlled environment
- Endotoxin free
- Protected formulas
- Packaging Integrity
- BPR supported formulations
- Technical documentation package
- Tested to relevant EU standards
- Formulated with WFI (Water for Injection)

Features of the sterile product range:

- Designed for use in iso class 5 facilities
- 0.2 µm filtered
- Double or triple bagged
- Irradiated or sterile filtration
- Sterility tested
- Supplied with physico-chemical certificates of analysis
- Supplied with certificate of irradiation
- Certificates are downloadable at www.clearklens.com

Validation support:

- Physico-chemical specifications
- Corrosion test
- LD50 - ADE / PDE values
- Dose mapping validation

Detergent & Detergent Disinfectant

For the cleaning of floors, surfaces and equipments				
ClearKlens Plus	7515165	A manual neutral detergent, mandatory to clean the production area and remove the eventual residues of biocides. Non sterile packs available.		Concentrated doses 10 x (10 x 30 mL)
For the cleaning of floors, surfaces and equipments on a daily basis				
ClearKlens Tego 2000	7516427	Amphoteric disinfectant with broad spectrum of activity. Available in concentrate and ready to use. Non sterile packs available.		6 x 900 mL spray
	7516051			4 x 5 L RTU can
	100868202			Concentrated doses 50 x 50 mL
For the disinfection of floors, walls, equipment and instruments				
ClearKlens Cleansinald	100848252	A detergent disinfectant, based on alkylamine and quats. Available in concentrate and ready to use. Non sterile packs available		10 x 1 L bottle
	100848253			4 x 5 L RTU can
	7516429			Concentrated doses 50 x 25 mL
	7516431			6 x 900 mL spray
For the disinfection of floors and surfaces with sporicidal efficiency				
ClearKlens Bi-Spore	100846052	A fast acting sporicidal disinfectant. The two part system generates 50ppm of chlorine dioxide. • Non invasive odour • Sporicidal in 5 min (EN13704) • Virucidal in 1 min (EN 14476 : parvo, adeno, poliovirus) • Available as concentrate and ready to use Non sterile packs available.		25 x (2 doses)
	100852440			4 x 5 L can
	100852561			10 X 1 L bottle
ClearKlens Oxifast	100934589	A ready-to-use sporicidal formulation based on peracetic acid (700ppm). • Sporicidal in 5 min (EN13704) • Virucidal in 1 min (EN 14476: parvo, adeno, polio and norovirus) Non sterile packs available.		8 x 1 L spray

BPR SUPPORTED

Alcohol-based disinfectants 70%

IPA (isopropyl alcohol) - Disinfection of production tools, gloves, surfaces

ClearKlens IPA



Our 900 mL trigger spray incorporates our bag-in-bottle system that allows fluid sterility of 5.5 months after the first use.



6 x 900 mL spray
7513400

Can 4 x 5 L
100865612

ClearKlens IPA 5L pouch

The pouch is equipped with a remote trigger with a 1 meter flexible tube.

Advantages

- Reductions in waste disposal costs 80 % - flat packaging after use
- Ergonomics: the operator is no longer holding the weight of the liquid



Pouch 2 x 5 L
100826310

ClearKlens IPA 250 ml Airless Spray

Advantages

- Reduces waste disposal costs 80% - Flat packaging after use
- Ergonomics: the operator activates the spray with his wrist or his palm







12 x 0.25 L
100899521

Disinfection of gloves without cross-contamination

ClearKlens IPA

Advantages

- Disinfection of gloves without contact
- Photoelectric cell device / adjustable volume
- Autoclavable pump (Class A / B / C / D)



10 x 1 L
bottle
7522373

Touchless Dispenser

Touchless Dispenser for ClearKlens IPA Sterile.

4400420

70% DE (denatured ethanol) - Disinfection of production tools, gloves, surfaces

ClearKlens DE

Our 900 mL trigger spray incorporates our bag-in-bottle system that allows fluid sterility of 5.5 months after the first use.



6 x 900 mL spray
100862174

4 x 5 L can
7516049

ClearKlens Trigger Sterile

Our sterile trigger spray “Bag in Bottle” technology maintains sterility for 5.5 months within the use area.



How does it work?

When the sprayer is operated, air is sucked inside the bottle through an external opening and the bag contracts when the liquid is distributed.

This allows the pressure of the air inside the bottle to be in equilibrium with that of the environment, preventing any air, which is potentially contaminated, from coming into contact with the product.

Ergonomically designed for ease of use, the bottle is designed to reduce operator fatigue:

- A long handle trigger to reduce stress.
- Designed to be held easily, even with wet gloves.

Clearklens IPA Airless

250 mL Spray

- ✓ Exclusive airless system
- ✓ No suck back through spray head

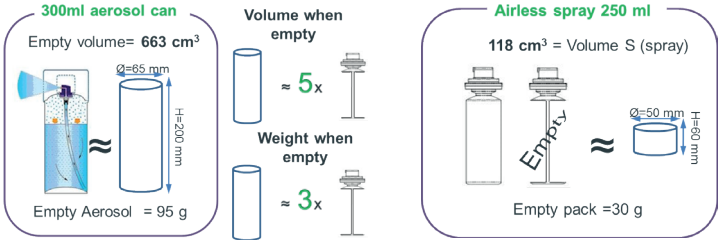


PRODUCT QUALITY

- ✓ Hermetic collapsible pouch
- ✓ Ergonomic design
- ✓ Total control of sterility - filled under Class A laminar flow into particle free bags

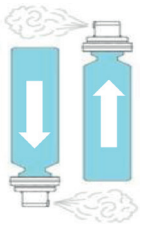
OPERATIONAL EFFICIENCY

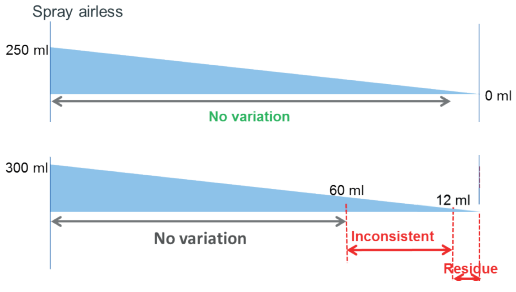
- ✓ 87% reduction in waste disposal costs
- ✓ No waste left in the bottle



OPERATIONAL EFFICIENCY

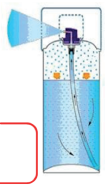
- ✓ Works in all positions
- ✓ Consistent spray





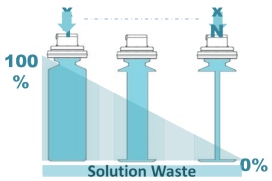
BRAND IMAGE

- ✓ Constructed from recyclable materials
- ✓ An alternative option to aluminium cans



300 ml Aerosol can
Average residues ≈ **12 ml**
(20 cans tested)

An under pressure aerosol doesn't allow of full extraction of the solution.



Spray airless 250 ml
Average residue **< 0,5 ml**
(test done on 20 pouches)

ClearKlens Sterile Solutions

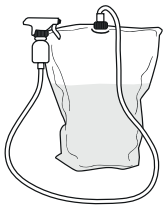
ClearKlens IPA Sterile Pouch

Sterile 70% IPA in a collapsible 5L pouch, significantly reducing packaging waste while ensuring product integrity.

- Premium 0.2 micron filtered IPA solution, certified by a pharmacist according to the European Pharmacopea.
- Totally flat once emptied leading to significant reductions in waste disposal costs.
- Exclusive airless system, preserving the contents of the bag during use. The bag collapses as the liquid is expelled preventing any air being drawn into the bag and potentially contaminating the contents.
- Enhanced operator safety - Incorporating a 1m remote trigger removing risk of repetitive strain injury caused by traditional spray bottle weight.
- Packaging manufactured from 100% recyclable Poly Ethylene.
- Convenient package that could be perforated to allow the bag to be hung within isolator during use.

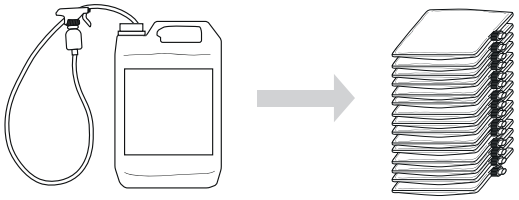
ClearKlens Sterile IPA is a surface solution based on 70% Isopropyl alcohol blended with 30% USP grade WFI. Specially designed for hard surfaces, equipment and instruments in class A&B pharmaceutical cleanrooms.

- Ready to use (no dilution required)
- Non-foaming
- Suitable for use in moisture sensitive environments
- Readily evaporates without leaving residues



FULL POUCH

15 used pouches required the same waste volume as one 5L container







Glove disinfection - Touchless dispenser for ClearKlens IPA

A flexible dispenser solution, that combines the highest functionality,reliability and longevity. You need a dispenser that merges proven quality with the hygienic advantages of a touchless system.

Then the IMP Touchless is the dispenser system of choice

- Pump technology proven in continuous use
- Selection of materials according to hygienic viewpoints
- Touchless operation optimizes gloves hygiene
- Simple pump removal from the front
- Battery level indicator
- Designed for use with Sterile ClearKlens® IPA bottles
- Lockable cover available as an accessory

Body

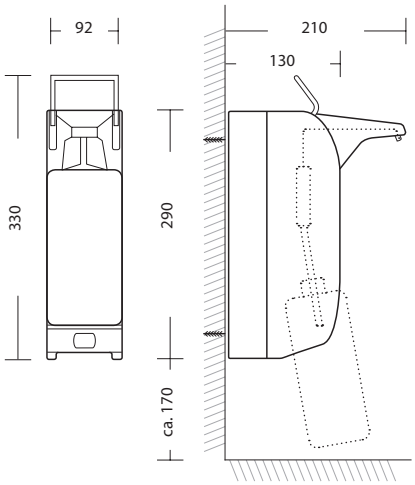
- High hygienic standard through anodized aluminium surfaces
- Stress resistant construction optimized for continuous use
- Exchangeable face shield for individual product labelling

Pump and dosage

- IMP Touchless stainless steel pump, angled stainless steel suction tube, autoclavable
- Dosage amount: approx. 1.5 ml/push, reducible to approx. 0.5 ml/push

Filling

- Designed to be used with ClearKlens IPA (70% IPA, 30% WFI USP quality)





ClearKlens Non-Sterile Range

Developed to meet the specific needs of the Life Sciences Industry manufacturing facilities, the comprehensive range of ClearKlens hygiene solutions can be relied on to protect your production integrity - efficiently.

- BPR supported formulations
- Protected formulas
- Technical documentation package
- Tested to relevant EU standards

Cleaners			
ClearKlens Plus	Neutral, high-foaming liquid detergent designed for general purpose applications. Its balanced neutral formulation is particularly effective against oils and fats. (P&N free).	7513374	2 x 5 L
ClearKlens Ultra	A powerful formulation, particularly effective for the removal of residues. (P free).	7517147	20 L
Taski Sprint Glass	Multi surfaces glass cleaner.	7513050	6 x 750 mL
Cleaners/ disinfectants			
Tego 2000	Amphoteric disinfectant with broad spectrum of activity. Available in concentrate, and various sterile packs.	100885537	2 x 5 L can
ClearKlens Cleansinald	A detergent disinfectant, based on alkylamine and quats. Concentrate, 1L ready to use, and various sterile packs.	7513417	2 x 5 L can
		100958825	10 x 1 L bottle
Oxivir Excel Foam	Detergent disinfectant based on Hydrogen Peroxide. Bactericidal, Fungicidal and Virucidal. Concentrate and ready to use packs.	100941433	6 x 750 mL spray
		100941434	6 x 750 mL spray
		100941564	12 x 100 wipes
		100941436	2 x 5 L can
IPA 70%			
ClearKlens IPA	Disinfectant IPA.	100865611	12 x 500 mL spray
		100981042	Spray 12 x 1 L
		100981043	2 x 5 L cans
ClearKlens IPA Swipe	Detergent pre-impregnated wipes based on IPA.	100868204	12 x 200 wipes
Denaturated Ethanol (DE)			
Divosan Etha Plus	Ready to use denaturated Ethanol 80% (virucidal claim).	100912913	12 x 750 mL spray
		100912911	2 x 5 L can
		100912912	20 L can
ClearKlens DE	Ready to use denaturated Ethanol 70%.	100938660	2 x 5 L can
Sporicide			
ClearKlens Oxifast	Peracetic based, ready to use disinfectant. Sporicidal efficacy at 5 min (EN13704). Sterile packs available.	100934612	8 x 1 L bottle
Oxivir Sporicide	Detergent disinfectant based on Hydrogen Peroxide. Bactericidal, Fungicidal and Virucidal. Concentrate and ready to use packs.	100941748	6 x 750 mL spray
		100941885	12 x 100 wipes
ClearKlens Bi-Spore	A fast acting sporicidal disinfectant. The two part system generates 50 ppm of chlorine dioxide. • Sporicidal in 5 min (EN13704) • Virucidal in 1 min (EN 14476) Sterile packs available. 	100827588	Concentrated doses 25 x (2 x 100 mL)

ClearKlens® Oxifast

BPR SUPPORTED

Committed to value

✓ Excellent sporicidal activity at 5 minutes

✓ Broad spectrum of activity

✓ Non-corrosive to stainless steel

✓ Fully biodegradable

- Fast-acting virucidal and sporicidal disinfectant designed for hard surfaces and equipment externals in critical pharmaceutical areas
- Ready to use solution
- 2 years shelf life – 700 ppm PAA
- Compatibility: suitable for use on the grades of stainless steel, PEHD, PP and all materials commonly found in the pharmaceutical industry.
- Higher efficacy than competitor products
- Dye and perfume free
- Low environmental impact



Passes:

C. albicans in 15 minutes (EN 13697)

Noro, Polio and Parvovirus in 10 minutes (EN 14476)

B. subtilis in 5 minutes (EN 13704)

ClearKlens® Bi-Spore

BPR SUPPORTED

Improve your disinfection procedure

Use a rapid action, sporicidal solution effective in 5 minutes



✓ Two part system for the creation of Chlorine Dioxide

✓ Designed for disinfecting hard surfaces and equipment

✓ ClearKlens Bi-Spore passes EN test with a shortened contact time of only 5 minutes, an important selection criterion for a Cleanroom disinfectant where wet contact times are limited.

✓ Also available in sterile formats

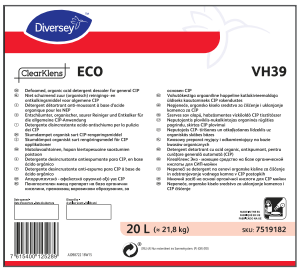
Passes:

C. albicans in 15 min (EN 13697)

Adeno, Polio and Parvovirus in 1 min (EN 14476)

B. subtilis in 5 min (EN 13704)

The ClearKlens product labels are designed to meet the requirements of the Life Science Industry providing the most convenient solution for the user.





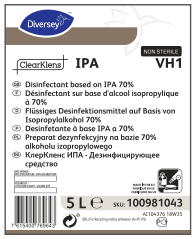
1 Colour coding

The colour of the label background mirrors the pH value of the product.

Acidic products are labelled with a red colour, green means neutral and blue means alkaline.

Labels of non-sterile products with small pack sizes (<5L) are designed with a grey background colour.





2 Sterile/Non-sterile icons

Sterile products are marked with a 'STERILE' icon on the upper right corner. Labels of non-sterile products contain a 'NON STERILE' icon.

STERILE

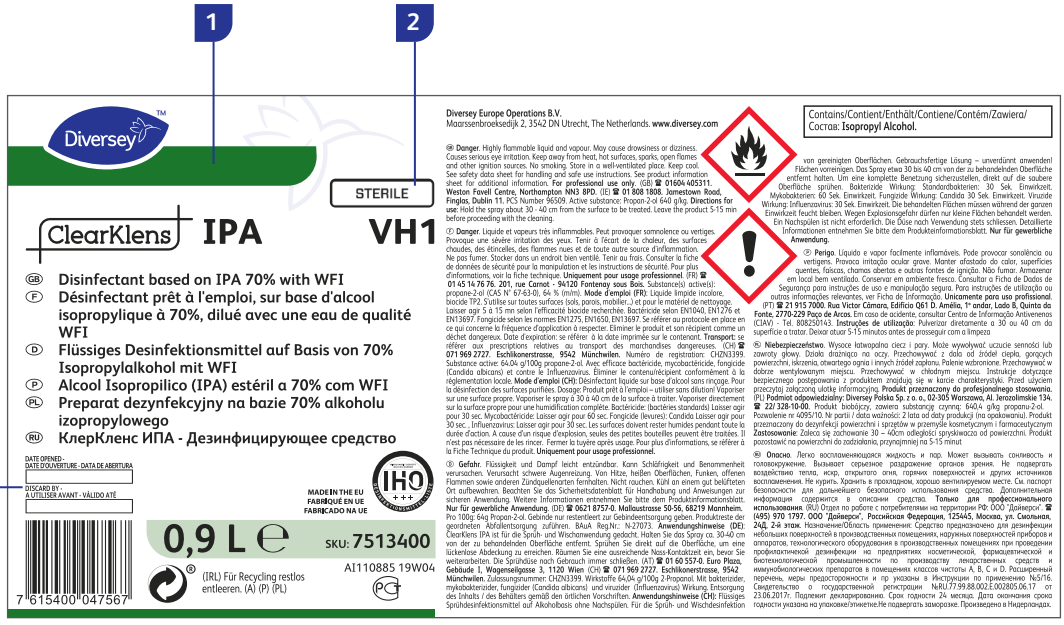
NON STERILE

3 'Date opened' and "Discard by' box

Dedicated areas provide the option for users to fill in the "Date opened" and "Discard by" date.

DATE OPENED -
DATE D'OUVERTURE - DATA DE ABERTURA

DISCARD BY -
A UTILISER AVANT - VÁLIDO ATÉ



OPC Equipment

Voyager

If you are looking for an all-in-one flexible mobile cleaning solution, look no further. The Voyager range enables foam application disinfection and rinsing of large areas from one unit. The Voyager's built-in pump boosts the water pressure of your existing water supply, just connect the unit up to a water, power and compressed air* supplies to start benefiting from efficient cleaning. There are a number of optional extras for the Voyager range, including an extra rinsing outlet or a separate foam or disinfectant injector with separate outlet, thus allowing two persons to work simultaneously from the same unit.

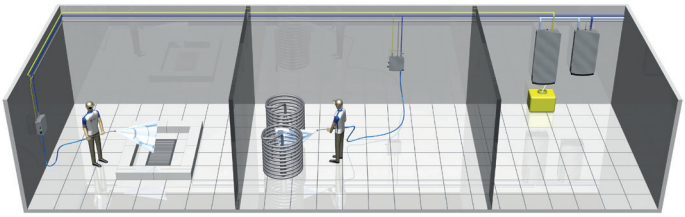
*Voyager K models incorporate their own compressor for sites without a compressed air supply.



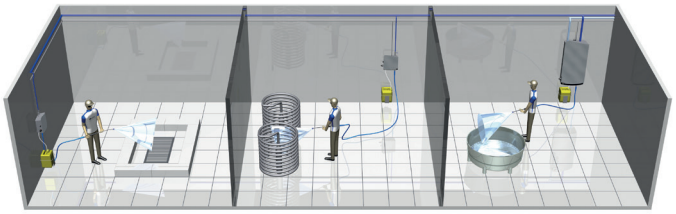
Modular Wash Down Systems

Our range of modular wash down equipment is designed to deliver optimum distribution, dilution and application of foam detergents, disinfectants and rinsing around your facility. Easy to install and maintain, constructed from high quality material to hygienic designs.

Choose from a single stand alone main station, delivering optimum foam for cleaning and disinfection, or add additional satellites to the main station, or incorporate a central pump station to pressurize your water supply to feed a number of satellites.

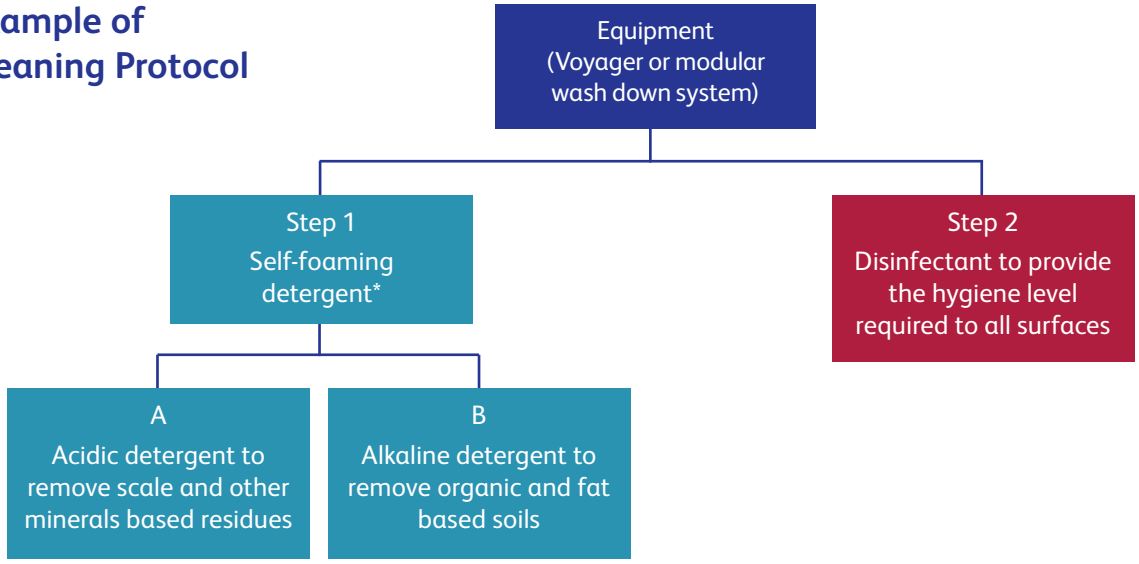


CENTRAL MANUAL CLEANING -
Central pump station pressurising multiple satellites



DECENTRAL MANUAL CLEANING -
Central or local chemical supply

Example of Cleaning Protocol



** Nitrogen and Phosphate free detergent available*

Why use medium pressure?

Efficiency during pre-wash and final rinse.

Cleaning principles:
After pre-rinse with mid pressure, the cleaning is achieved by applying a foaming detergent on all the surfaces to be cleaned including vertical ones and mechanical parts.

The foam created under these conditions is able to cover surfaces between the mechanical parts with detergent which are critical regarding hygiene.

Benefits during rinsing steps:
During the pre-rinse step, usage of mid-pressurized water (between 8 and 40 bars) enables to be under the most efficient conditions versus the other standard domains of water pressure (low pressure under 5 bars / high pressure over 50 bars).

Usage of mid-pressurized water with rotative and fixed nozzles provides the optimal mechanical impact on soils.

It is obvious that a pre-rinse with mid-pressurized water will provide better results than a pre-rinse done with water at low pressure thanks to an improved mechanical impact on the soils.

For the same results, it is quite common to reduce by half the cleaning time which is a major benefit if you consider the total cost of cleaning.

For the same mechanical effect, the usage of mid-pressurized water avoids also some of the secondary effects due to the usage of high pressure:

Soils are not randomly exploded but conveyed towards the drains.

Calorie losses are reduced. The usage of hot water is optimized : the temperature of the water after the nozzle remains high enough to dissolve fat soils.

The mechanical effect obtained with mid-pressure is still effective 30 cm after the nozzle which brings efficacy even on biofilms. The mechanical effect obtained with high pressure drops down significantly 10 cm after the nozzle.

Aerosol creation is reduced with mid-pressure which limits cross-contamination by air.

As humidity and the vibrations of the machines remain limited during pre-rinse step, we generally observe a reduction of the cost of maintenance for production equipments when you pass from high to mid-pressure for rinsing steps.

Benefits during cleaning steps

A complete unit producing mid-pressurized water and foam by automatic dilution of cleaning products enables to:

- Save the time to prepare the foam pots
- Reduce significantly the handling of chemicals by operators
- Keep under control cleaning product concentration which directly influences cost and results of the cleaning method.



Satellite S1 SEE



Satellite S2 SEE



Satellite S4 SEE

Cleaning In Place (CIP)

Diversey provides unrivalled CIP knowledge. Our strength and competence comes from decades of field experience, application knowledge, understanding of chemistry, system engineering, game changing innovations and a world class portfolio of products. Starting with a full analysis of your specific CIP needs, leading to retrofitting, upgrading or fine-tuning of existing installations or the design and implementation of a fully integrated CIP system, we apply our knowledge and expertise to deliver a solution that will revolutionize speed, hygiene standards and efficiency at your plant.

Our dedicated team of CIP process engineers will simplify your CIP operations, however complex they may be.
We work closely with your team in auditing existing CIP installations to obtain a detailed understanding of your needs. Our innovative CIP product formulations coupled with the expertise and process knowledge deliver:

- Lower energy consumption
- Lower water usage
- Process consistency with repeatable results
- Shortened cleaning time

Widest range of CIP detergents for all kinds of soils and surfaces. Proven CIP programs for all products:

- Lower energy consumption
- Lower water usage
- Process consistency with repeatable results
- Shortened cleaning time

All products and programs with complete residue estimation, regulatory and validation support.

The non-sterile range, developed for cleaning and disinfection of Pharmaceutical and Cosmetic manufacturing facilities.

Clean in place systems (CIP)

- Cleaning of tanks, vats and vessels
- Speciality products for CIP cleaning and disinfection
- Single step solutions
- Mini CIP: allowing water, time and product optimzation



Cleaning In Place (CIP)

The extensive Diversey CIP chemical range offers non foaming detergents and disinfectants designed for circulation through process equipment. The combined effects of solutions turbulence, chemical energy and heat remove soil debris and microorganism from pile work and ancillary plant without time consuming dismantling and manual cleaning.

- BPR supported formulations
- Tested to relevant EU standards
- Technical documentation package
- Protected formulas

Alkaline Detergents for CIP

To clean pastes, ointments, emulsions, and formulations based on titanium oxide. To clean dry forms including tablets, sachets, powders, eudragit. To clean mixing tanks and fermenters, vaccines

ClearKlens Flowcert	The alkaline detergent to remove soil from natural and organic cosmetic production – Ecocert certified	100865820	20 L
ClearKlens Multi	Highly concentrated detergent-solvents, based on organic solvents and surfactants used for a wide range of applications • Excellent dirt-carrying capacity • Good rinsing properties	100845236	20 L
ClearKlens NTC	Alkaline mid-strength detergent – soda, sequestrant and tensio-actives • Effective for a single phase cleaning • Non-foaming • Suitable for CIP systems under conditions of high turbulences	7513363 7513364	20 L 950 L
ClearKlens NTC L	• EDTA-free, multi purpose, alkaline detergent/blend of sequestrants and surfactants	7518462 7522874	20 L 950 L
ClearKlens Spek	Caustic detergent, medium hard water tolerant • Hard water tolerant • Highly effective at removing a wide range of organic soils • Preventing scale build up	7513359 7521897	20 L 900 L
ClearKlens Prime	Caustic detergent, medium hard water tolerant • Used for the removal of heavy duty soiling in the fermentation broth process • Suitable for use in tray, crate and mould cleaning applications	7513365 7513366	20 L 200 L
ClearKlens Pro	Soft metal safe alkaline silicated CIP detergent • Provides excellent detergency against a wide range of fats and oils • Ideal for use on aluminium and other soft metal equipment • Hard water tolerant	7513362	20 L
ClearKlens Flow	Strong Alkaline Detergent • For use in hard water • Specially formulated to prevent deposits of tartar during the final rinse • Effective for the removal of most organic stains	7513367 7513368	20 L 950 L

Cleaning In Place (CIP)

Acidic Detergents
To clean equipment and glassware

ClearKlens ECO	Defoamed, organic acid detergent decaler for general CIP • Citric acid, sulfamic, glycolic, very low Phosphors and nitrogen content • Its defoaming properties make it suitable for use under conditions of high pressure and turbulence, improving cleaning performance	7519182	20 L
ClearKlens Release	Acidic detergent descaler • Very efficient for tablet coating removal • Low foaming • Low level of phosphorus	7520002	20 L
ClearKlens Scale	Descaling detergent with phosphoric acid base • Highly effective to remove stains and minerals	7513355	20 L
ClearKlens Dilac	Heavy duty acidic CIP detergent descaler • Highly effective at removing inorganic scale deposits • Can be used for the passivation of new stainless steel CIP installations	7518612	20 L
ClearKlens Brite	Defoamed phosphoric acid based CIP detergent • Can be used at ambient up to 50°C • Suitable for use under conditions of high pressure and turbulence • Enhanced wetting and dispersing properties	7517222 7513356 7513357	20 L 200 L 900 L
ClearKlens IM	Acidic CIP cleaner and descaler • Low foaming • Suitable for CIP, spray, wash and soaking applications • Free of surfactants and easily rinsable • Non corrosive, non oxidising	7517640 7517641 7517897	20 L 200 L 950 L

Chlorinated detergent/disinfectant

ClearKlens Deogen	Chlorinated detergent-disinfectant for soft/medium hard water • Low foaming under conditions of high turbulence • High active chlorine level effectively removes soils, stains and off-flavours • Broad spectrum disinfectant action • Free-rinsing, minimizes water usage	7522374	20 L

Disinfectants/ Disinfectant detergents
After pre-cleaning pastes, ointments and emulsions. For cleaning and disinfect mixing tanks, fermenters

Clearklens MEGA HP / Divosan Omega MEGA HP	One-Phase disinfectant Detergent • Alkaline based formulation of sequestering and surfactant agents • Chlorine free, effective disinfectant action • Suitable for use in soft or hard water	7519460 7518465	20 L 950 L
ClearKlens Activ	Disinfectant 5% • Stabilised peracetic acid solution • Non-foaming • Highly effective against all types of micro-organisms including bacteria, fungi, spores and viruses • Can be used as rotational sporicidal disinfectant for environmental disinfection	7513388 101100582	20 L 950 L CDS

Additives

ClearKlens Kristalle	Low foaming additive, promotes dispersion and the elimination of stains • without nitrogen and phosphorus-free	7513380	20 L
Booster	Booster is an additive to alkaline detergents for the removal of organic deposits	7517892	20 L
ClearKlens Copper Plus	Low foaming, alkaline additive to caustic for use in CIP • Specially effective against high level of product residue (pills, drugs, mineral oils, wax, etc.) • Can be also used on its own	7519183	20 L

AquaCheck™

Challenge

Water plays a critical role in your manufacturing process. As one of our most important natural resources, water, and monitoring of its use, has become an integral part of responsible business practices.

Whether the goal is reaching your corporate sustainability metric or with an eye toward cost management, prudent water use has become a business necessity.

Holistic management of your water consumption has the potential to reduce water and wastewater volumes by up to and in some cases over 30%. With water accounting for 30% of the average manufacturers utility costs* the impact on your financials can be as significant as the impact on your sustainability goals.

Solution

Using Diversey AquaCheck, you can optimise water consumption and control costs, create a safer environment for employees, and identify water losses that, when addressed, will lead to utility savings with low capital investment.

*Based on results achieved by Diversey. All facilities are different. The impact for your site will be calculated as part of an initial Diversey AquaCheck scan.



On average water accounts for 30% of your overall utility bill*

Benefits

With Diversey AquaCheck you can:

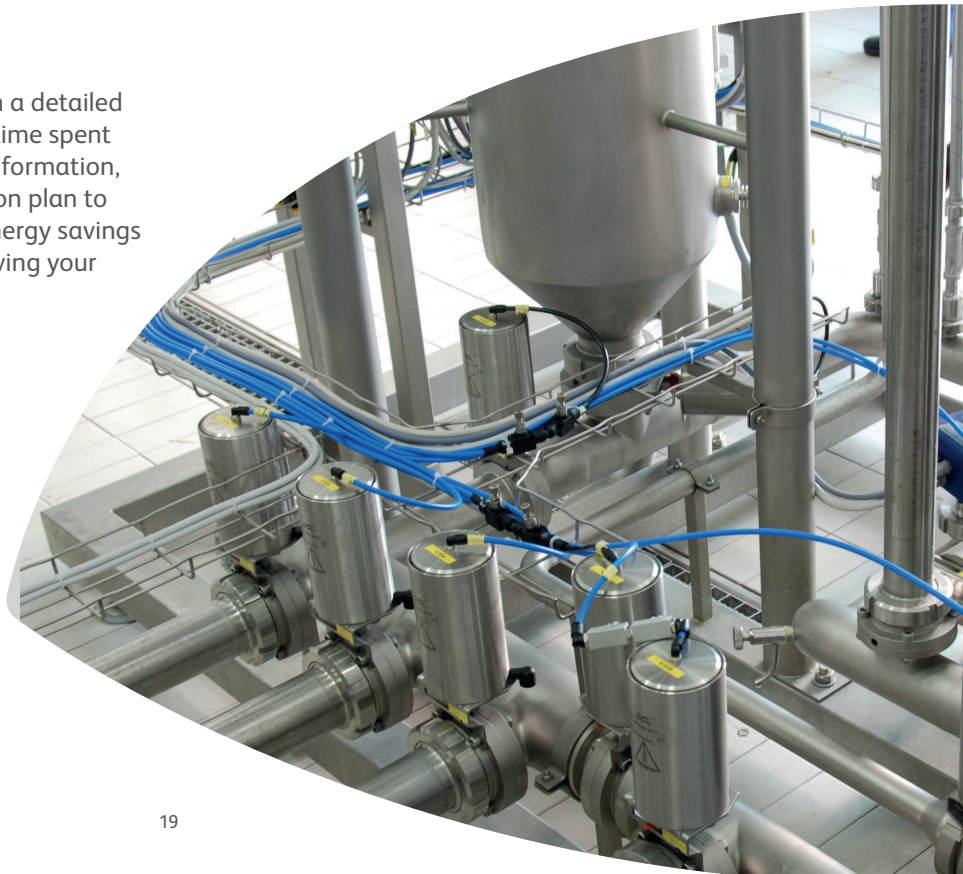
- Improve your water utilisation
- Measure and trace all sources of water waste
- Reduce your water and effluent treatment, further improving your economic and environmental performance
- Determine whether incremental improvements will improve efficiency
- Prioritize areas of improvement and take action
- Benchmark your business against industry performance using AquaCheck's analytic tools.

CIPCheck™

Best–in-class cleaning in place optimisation:

Using Diversey CIPCheck, you will benefit from a detailed analysis of your use of energy, chemicals and time spent to identify areas of improvement. Using this information, our teams will develop and implement an action plan to generate immediate productivity gains and energy savings while maintaining – and in many cases, improving your hygiene standards.

75% of CIP cleanings run un-optimized, using original settings



Broad Spectrum Cleaner & Disinfectant for hard surfaces and non-invasive medical Devices, ideal for preventing and controlling pathogens within veterinary areas

Diversey Oxivir Excel is a highly concentrated one-step cleaner disinfectant with broad spectrum efficacy and short contact times. Based on Diversey patented Accelerated Hydrogen Peroxide formulation Oxivir Excel can be used on hard, nonporous surfaces and some soft furnishings. Available as a concentrate, ready-to-use foam spray or wipes.

Key properties

- Destroys persistent enveloped and non enveloped viruses
- Bactericidal, Virucidal and Yeasticidal
- Disinfects in as little as 30 seconds
- Suitable for use in high-risk areas
- Positive user and surface safety profile
- Convenient, no preparation or laundry required
- Effective cleaner
- Fragrance free
- Active ingredient breaks down into water and oxygen
- No rinsing required
- Concentrated liquid, foam formulation or pre-wetted wipes to save time

Benefits

- Broad efficacy provides the highest levels of patient protection. Extensively tested against European norms and effective against multiple pathogens of concern
- Carries a full virucidal claim
- Suitable for outbreak control in high-risk veterinary areas, including isolation rooms/pens
- Short contact times keep the surface wet thus ensuring disinfectant efficacy
- Excellent cleaning performance, including descaling and lime limitation - removes the need for a pre-cleaning step
- Excellent user safety profile reduces worker risk, with no hazard warnings; does not contain respiratory irritants
- AHP formulation is gentle on surfaces, extending equipment life



✓ Available as an RTU or disposable wipe

Oxivir Sporicide

- ✓ Sporicidal, Mycobactericidal, Bactericidal, Virucidal, Yeastcidal and Fungicidal in as little as 1 minute
- ✓ Kills C diff in 1min in clean conditions, 3 mins in dirty conditions
- ✓ Powerful surfactant package delivers excellent cleaning performance
- ✓ Superior safety profile vs some other sporicidal agents
- ✓ Available as an RTU or disposable wipe



SURE-the Power of nature

Plant-based, 100% biodegradable cleaning products designed to deliver superior professional results.

With environmentally-friendly ingredients from renewable resources, SURE products meet all your daily requirements for facilities and personal care.



SURE Cleaning & Disinfection for Surfaces	
SURE Cleaner Disinfectant Spray	Ready-to-use detergent disinfectant for the cleaning and disinfection of all surfaces.
SURE Cleaner Disinfectant (Conc)	Concentrated detergent disinfectant for the cleaning and disinfection of all surfaces.
SURE Cleaner & Degreaser	Concentrated heavy-duty degreaser for cleaning all heavily soiled surfaces. Also suitable for heavy-duty cleaning of floors and for top stripping.
Sure Cleaning & Disinfection for Personal Care	
SURE Hand Wash Free	Gentle and effective hand wash without perfumes or dyes.
SURE Antibac Hand Wash	Antibacterial hand wash for Soft Care dispenser that ensures the highest disinfectant standards.





Soft Care®

Professional hand washing is easy thanks to a range that covers all the needs in personal hygiene.

- Innovative solutions that work in all areas of application
- The liquid and foam option and pleasant scents
- The best formulations for tested and proven efficacy
- Dermatologically tested formulations
- Products with a universal colour code

Softcare

Washing/care			
SURE Hand Wash	A mild scented soap for hands containing herbal actives - no parabens or preservatives	100938652	4 x 1.3 L
Soft Care All Purpose	Ideal for hands, body, hair. Delicate fragrance	100938558	4 x 1.3 L
Soft Care All Purpose Foam	Ideal for hands, body, hair. Delicate fragrance	100940173	4 x 1.3 L
Soft Care Dermasoft	Hand rehydration cream	100938654	4 x 1.3 L
Disinfection			
Soft Care Des E	Ethanol-based hydroalcoholic solution - without perfume or colouring	100939047	4 x 1.3 L
		100860436	50 x 100 mL
		100860440	2 x 5 L
Soft Care Med	Alcoholic hydro Solution containing moisturizing agents-without fragrance or dye	100938824	4 x 1.3 L
2 in 1 – Washing and disinfection			
Soft Care Sensisept	Disinfectant Soap -No fragrance or dye	100938899	4 x 1.3 L

The IntelliCare™ dispenser is compatible with liquid, foam or cream products. Possibility of choosing the dose of product to dispense (high or low)

An intelligent 1.3 L package that allows you to:

- See the remaining level with a patented bottle design that collapses from the back
- Reduce waste with a collapsible bottle that empties fully
- Easily replenish the bottle with an intuitive click mechanisms



Intellicare

Hybrid dispenser		
Hybrid Soft Care All Purpose	Black D7524179	4 x 1.3 L
	White D7524180	4 x 1.3 L
Manual	Black D7524177	4 x 1.3 L
	White D7524178	4 x 1.3 L

Facility Hygiene - TASKI

The easiest way to a perfect facility care

Diversey chemicals are superior on their own and when combined with our machines give you the best possible solution.

Machines & Equipment

TASKI machines clean effectively while reducing water, chemical and energy consumption. Incredibly durable, they've undergone some of the industry's most rigorous testing in the harshest of conditions.



Chemical cleaning products

Diversey provides a complete range of hygiene solutions for your facility **hygiene protocol.**



Floor



Surface



Glass



Intellibot



Mobile work stations





Mops and Microfiber Cloths

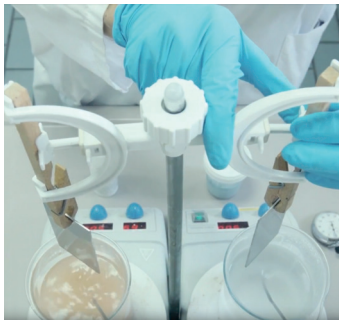
ClearKlens® DSP - Detergent Selection Program

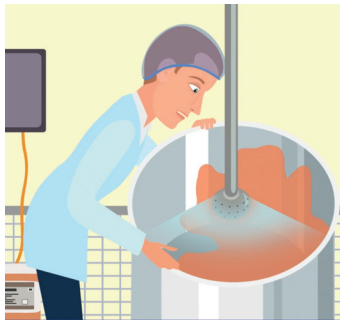
The detergent selection program delivers you an efficient protocol and chemical selection to clean your specific soil, accelerating your cleaning standard operating procedure (SOP) development.

ClearKlens® DSP ensures that the best cleaning chemical and procedure are selected for each soil. Benefit from having a team of experts working in close contact with your needs to select the most efficient solution given the utilities available at your site and taking into account the entire ClearKlens® portfolio.

As easy as sending a sample.

A sample of the soil is sent to the DSP technical team to be assessed. The technical centre will test different cleaning chemistry and procedures and then provide a report that details the best method. This report can then be used to develop your cleaning protocol based on the parameters defined including, chemical type, concentration, cleaning time, temperature, cleaning method and water quality.

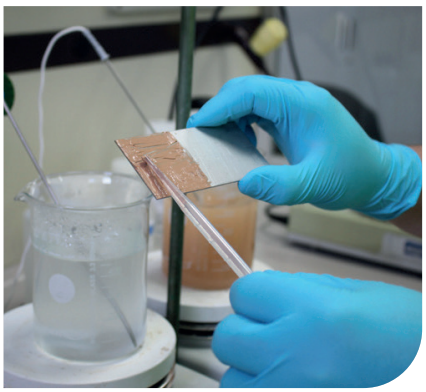





DSP Example					
Plate weight	Soiled plate weight (g) before test	Contamination (mg/cm²)	Plate weight after test (g)	Contamination removed (mg/cm²)	Cleaning performance (%)
57.93	58.64	30.11	57.93	30.11	100

Summary best cleaning results after 15'

Application	Detergent (5% v/v)	Additive (1% v/v)	pH
CIP	ClearKlens NTC VH18L	Booster	Alkaline
CIP	ClearKlens NTC VH18L	ClearKlens Multi	Alkaline
CIP	ClearKlens Multi	-	Alkaline
CIP	ClearKlens Dilac	-	Acid
CIP	ClearKlens Kristalle	-	Neutral



Hygiene Academy

The Diversey Hygiene Academy allows you to manage and deploy your own trainings and integrate our reference knowledge into your processes.

Better than just following the needs of the industry: Accredited training courses!

Diversey e-Learning Management Systems

- Accessing the latest Cloud training platform simplifying the administration of training for your employees
- Remove costs from your training budget
- Providing a solid training opportunity for your production forces

A Cloud solution that fits your business

Create, print and sign training certificates and add time to completion

Latest cloud technology that improves user experience and minimises set up time

Increase accountability by tracking employee participation and provide documentation to workers and supervisors

No software or expensive hardware required

Save time and reduce the cost of traditional training



Personalize with your own logos and brands

Powerful reporting capabilities to monitor employee participation, performance and progress

NOTES

NOTES

Diversey's purpose is to protect and care for people every day. Diversey has been, and always will be, a pioneer and facilitator for life. We constantly deliver revolutionary cleaning and hygiene technologies that provide total confidence to our customers across all of our global sectors, including: cleaning products, systems and services that efficiently integrate chemicals, machines and sustainability programs. This makes us unique among leading global hygiene and cleaning companies. Everything we do has our customers' needs at its heart and is based on the belief that cleaning and hygiene are life essentials. With over 95 years of expertise, we safeguard our customers' businesses, contributing to productivity improvements, lower total operating costs and brand protection.

Diversey is headquartered in Fort Mill, SC, USA.
For more information, visit www.diversey.com or follow us on social media.

pharma@diversey.com
www.diversey.com

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