



# Getinge Clean Cleaning Chemistries

The solution to your cleaning needs



# Set the standard

## - for safety and performance

What does the word “clean” say to you? That your medical equipment is free from soil, such as blood, fat, pollutants or harmful microorganisms?

Good, but are you really sure that even beyond the naked eye, everything you wash, disinfect or sterilize is really clean? Using Getinge Clean guarantees that you don't have to worry anymore.

Our detergent range sets the standard for safety and performance in healthcare, pharmaceutical production and life science laboratory applications.

For over 100 years, Getinge has consistently delivered high-performance processing and sterility assurance products that always meet the most demanding industry standards and which can be trusted to consistently give a reliable result.

Getinge's range of detergents has been developed, tested and validated to consistently meet EN ISO 15883 standards for cleaning efficiency of goods commonly found in CSSD's, clinics and practices to protect users and patients.

When selecting any of the Getinge Clean products it is important to always follow the instrument manufacturer's recommendations and hospital protocols.

# You have the challenge

- We provide the solution



### Increase efficiency in your workflow

We have products for every step of instrument reprocessing, beginning at the Operating Room. Following surgery, pre-treatment takes place to keep the soiled instruments moist. This is important to prevent damage from the instrument and make the cleaning process efficient.



### Keep staff safe and productive

The range of Getinge Clean products are easy to use and the colors and symbols on them make it easy to learn when and where to use them. No more worrying about using the right product at the right time. You can rely on the results.



### Accurate and consistent results

Getinge can provide on the spot testing of key parameters to full laboratory analysis services. Based on information from these tests, Getinge can recommend any steps to be taken that ensure you achieve the best results possible from your washer-disinfectors and cleansing agents, increasing throughput whilst minimizing utility costs, and also leaving a cleaner footprint.



### Wide material compatibility

Getinge Clean has a wide material compatibility including aluminum, titanium, non ferrous metals, mattchrome plated, stainless steel, glass, ceramics, rubber and plastic.

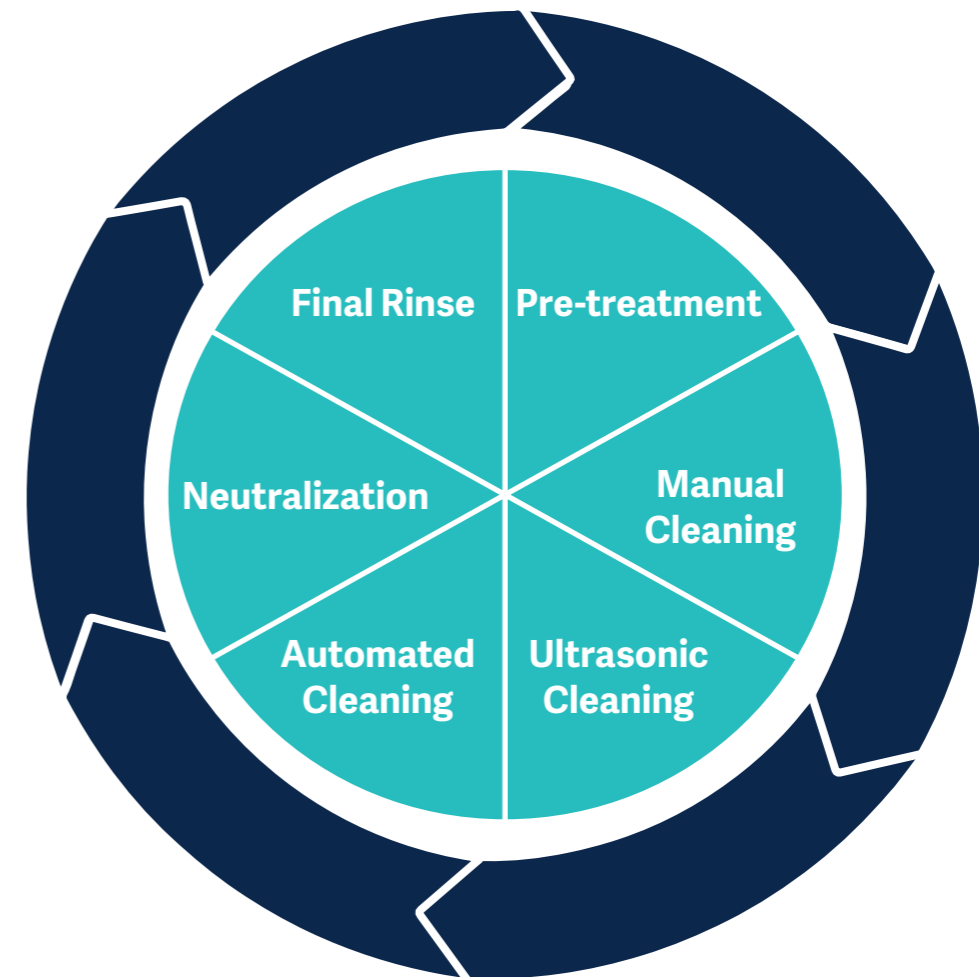


### Reduce environmental impact

Getinge Clean is not only about cleaning instruments, it is also about having total control in how we affect our environment. All of our detergents are biodegradable and our packaging is recyclable.

# The healthcare cleaning and decontamination cycle

Effective cleaning is a multi-step process. Begin with pre-treatment agents before manual, automated, or ultrasonic cleaning, and then neutralize and/or rinse for a thorough clean. When the time, temperature, and required conditions are met, Getinge Clean ensures that your instruments are cleaned and ready for the next step in the instrument reprocessing workflow.



### Pre-treatment

Getinge Clean Pre-treatment Foam

### Manual Cleaning

Getinge Clean Enzymatic Plus  
Getinge Clean Enzymatic  
Getinge Clean Manual Plus  
Getinge Clean Prion Detergent  
Getinge Clean MIS Detergent  
Getinge Clean Universal Detergent

### Ultrasonic Cleaning

Getinge Clean Enzymatic Plus  
Getinge Clean Enzymatic  
Getinge Clean Manual Plus  
Getinge Clean Prion Detergent  
Getinge Clean MIS Detergent  
Getinge Clean Universal Detergent

### Automated Cleaning

Getinge Clean Enzymatic Plus  
Getinge Clean Enzymatic  
Getinge Clean MIS Detergent  
Getinge Clean Universal Detergent  
Getinge Clean Heavy Soil Detergent  
Getinge Clean Prion Detergent

### Neutralization

Getinge Clean Neutralizer  
Getinge Clean Neutralizer Plus

### Final Rinse

Getinge Clean Lubricant  
Getinge Clean Lubricant Plus  
Getinge Clean Rinse Aid



## Application



### Instruments

Suitable for instruments and any other compatible materials



### All goods

Generally suitable for all goods



### Robotic surgery instruments

Suitable for robotic surgery instruments and other compatible materials



### Prion deactivation

M1000-prion deactivation detergent

## Product type



### Pre-treatment foam



### Detergent



### Rinse aid



### Neutralizer

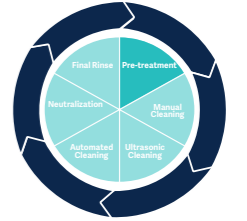


### Maintenance



### Instrument lubricant

# Pre-treatment



## Getinge Clean Pre-treatment Foam

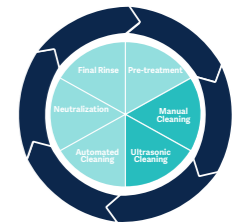
The Getinge Clean Foam Spray is available in 500 ml hand held dispensers, ready for use and used principally for spraying stainless steel instruments and other utensils after usage and before being transferred to the CSSD. It is especially recommended when there is a delay between instrument usage and decontamination. Not intended for machine use.

Getinge Clean Pre-treatment Foam offers the following features:

- Improves cleaning process effectiveness by increasing contact times with soiled surfaces
- Prevents drying of soiled surfaces before cleaning
- Effective at room temperature
- Will not stain glass, metal, plastic or the equipment



# Manual and Ultrasonic Cleaning



## Getinge Clean Manual Plus

Getinge Clean Manual Plus is specially formulated to rapidly digest protein and other components of surgical soils. Its unique formulation also improves occupational health and safety by sanitizing bath water and reducing the risk of cross-contamination. Getinge Clean Manual Plus is designed for manual and ultrasonic cleaning of both standard to complex surgical instruments. Available in 2x5 L (including one manual pump) and 205 L containers.

Getinge Clean Manual Plus offers the following features:

- A multi-enzymatic detergent with powerful cleaning and sanitizing action
- For manual and ultrasonic cleaning of medical instruments
- Non-corrosive, pH neutral
- Biofilm removal claim
- Effective at ambient to elevated temperatures
- Fully biodegradable



# Manual, Ultrasonic and Automated Cleaning



## Getinge Clean Enzymatic Plus

Getinge Clean Enzymatic Plus brings additional functionality to our wide range of detergents. Its powerful formulation is designed to operate effectively in manual, ultrasonic and washer-disinfector applications. With four enzyme types and a balanced surfactant package the product easily removes soil from instruments and devices and exhibits biofilm removal properties. It has wide material compatibility with metals, plastics and elastomers. Available in 5 L, 2x5 L with 2 dosing pumps, 25 L and 205 L containers.

Getinge Clean Enzymatic Plus offers the following features:

- Easily removes soil from instruments and devices
- Wide material compatibility with metals, plastics and elastomers
- Designed for use in manual, ultrasonic and washer-disinfector applications
- Enhanced foam control



## Getinge Clean MIS Detergent

Getinge Clean MIS Detergent is a state of the art, low foaming, multiple enzyme formulation, specifically designed to clean complex, minimally invasive instrumentation. Available in 5, 25 and 205 L containers.

Getinge Clean MIS Detergent offers the following features:

- Formulation includes protease, lipase, amylase and cellulase enzymes, surfactants, sequestering agents and corrosion inhibitors
- Penetrates and breaks down protein and organic matter quickly and efficiently
- Unique ability to breakdown and remove stubborn biofilm
- pH neutral and compatible with most instrumentation and reprocessing equipment types (typical pH in use dilution 8)
- Effective in hard and soft water with dosing as low as 0,5 ml per L depending on water hardness



## Getinge Clean Enzymatic Detergent

Getinge Clean Enzymatic detergent is a mild, neutral pH cleaner. It combines the power of multi-enzymatic cleaning technology with the advantage of machine spray washing, formulated to remove protein matter from instruments and medical devices. In addition for usage with automated washers, it is suitable for use in sinks and ultrasonic baths. Available in 5, 25 and 205 L containers.

Getinge Clean Enzymatic Detergent offers the following features:

- Penetrates and breaks down protein and organic matter
- pH neutral
- Suitable for all types of washer-disinfectors and manual cleaning
- Suitable for most types of materials. Material compatibility has to be checked with the instrument manufacturer
- Effective in hard and soft water



## Getinge Clean Universal Detergent

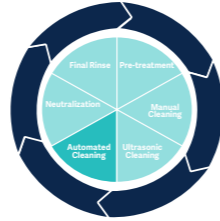
Getinge Clean Universal Detergent is a mild alkaline-based cleaner with surfactants. It's a low foaming, non-abrasive, instrument cleaning product that rapidly removes, dissolves and disperses all types of soil as well as water scale and oxide stains. Available in 5, 10, 25 and 205 L containers.

Getinge Clean Universal Detergent offers the following features:

- Excellent cleaning performance
- Recommended when a department wants to reduce the number of detergents
- Suitable for all types of washer-disinfectors
- Suitable for most types of materials. Material compatibility has to be checked with the instrument manufacturer
- Neutralization is not required



# Automated Cleaning



## Getinge Clean Heavy Soil Detergent

Getinge Clean Heavy Soil Detergent is a stronger alkaline-based cleaner, suitable for alkaline-resistant materials such as stainless steel instruments and glass. Not suitable for aluminum and anodized aluminum. Available in 5, 10, 25 and 205 L containers.

Getinge Clean Heavy Soil Detergent offers the following features:

- For heavily soiled items such as gynecological and orthopedic instruments
- Effective for removing blood, fat, grease and oil
- Suitable for all types of washer-disinfectors
- Neutralization required with Getinge Clean Neutralizer



## Getinge Clean Prion Detergent

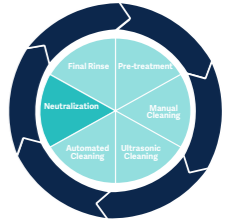
Getinge Clean Prion Detergent inactivates the infectivity of misfolded proteins by simultaneous unfolding and cleaving them down to small non-infective fragments. Available in 5, 25 and 205 L containers.

Getinge Clean Prion Detergent offers the following features:

- Superior prion deactivation compared to the WHO-recommended protocols
- Enzymatic formulation enables outstanding material compatibility with most instrumentation and reprocessing equipment types
- Tested against the most resistant human prion disease
- Concentrated low dosage allows for routine, economical instrument cleaning combined with overall risk prevention



# Neutralization



## Getinge Clean Neutralizer

Getinge Clean Neutralizer is used to neutralize alkaline residues following the main wash phase. Neutralizer can also be used to remove hard water stain in washer-disinfector chambers. Available in 5, 10, 25 and 205 L containers.

Getinge Clean Neutralizer offers the following features:

- Mildly acidic, based on a citric acid
- Phosphate and surfactant free
- Suitable for all types of washer disinfectors
- Can be used on a wide range of materials



## Getinge Clean Neutralizer Plus

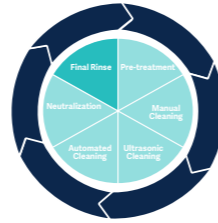
Getinge Clean Neutralizer Plus is a powerful, multipurpose acid neutralizer and cleaner. Available in 5, 10, 25 and 205 L containers.

Getinge Clean Neutralizer Plus offers the following features:

- Formulation includes a blend of orthophosphoric & nitric acid – (typical pH in use dilution 2)
- Process additive for pH neutralization of high alkaline detergents
- Removes rust, stains and hard water scale from stainless steel instruments, equipment and washer disinfectors chambers
- Restores stainless steel surface finish
- Only recommended for use on stainless steel and glass



# Final Rinse



## Getinge Clean Instrument Lubricant

Getinge Clean Instrument Lubricant is added in the final rinse phase for instrument lubrication. Its low dosage emulsion formulation ensures deposition of a thin film of lubricant. Available in 5, 10 and 25 L containers.

Getinge Clean Instrument Lubricant offers the following features:

- Ensures lubrication of hinges, pins and joints
- When used regularly, extends instrument life and reduces service and repair costs
- Does not harden during sterilization
- Bio-compatible
- Does not inhibit the sterilization process



## Getinge Clean Instrument Lubricant Plus

Getinge Clean Instrument Lubricant Plus is formulated to efficiently lubricate surgical instrument hinges, pins, joints and box locks for optimal functionality. It also prevents friction corrosion of these moving parts and prolongs the life of the instrument. Instrument Lubricant Plus is silicone and mineral oil free and will not interfere with subsequent steam or gas sterilization processes. Available in 5 and 10 L containers.

Getinge Clean Instrument Lubricant Plus offers the following features:

- For both manual and automated lubrication of instrument box joints and moving parts
- Prevents friction corrosion
- Silicone and mineral oil free
- Steam and EtO permeable
- Biocompatible
- Will not crystalize washer-disinfector tubing
- Will not build up in washer-disinfector chambers



## Getinge Clean Rinse Aid

Getinge Clean Rinse Aid is an anti-scaling, surfactant-based, rinse additive used in the final rinse to help drying. Available in 5, 10, 25 and 205 L containers.

Getinge Clean Rinse Aid offers the following features:

- Speeds up drying times
- Reduces water spotting for a non-streaky finish
- Helps combat scaling
- Compatible with most materials
- Bio-compatible



# Maintenance

## Getinge Clean Chamber Foam

The Getinge Clean Chamber Foam is a ready-to-use acid cleaner available in 500 ml trigger sprayer. It is applied inside process chambers and easily wiped off with a wet cloth, leaving the chamber clean and free from limescale, mineral deposits and odors; it even removes rust. It will help the CSSD staff to keep the equipment clean and minimize repair costs due to poor water quality and neglected maintenance.

Getinge Clean Chamber Foam offers the following features:

- Foam based, ready-to-use acid cleaner
- Removes scale, mineral deposits and rust from sterilizers, washer-disinfectors and flushers chambers
- Optimal solution for routine preventive maintenance
- Low odor formulation



Label Color	Product name	Use	Packaging
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## Pre-treatment

	Getinge Clean Pre-treatment Foam	Medical devices immediately after use	20x0.5L
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## Manual and Ultrasonic Cleaning

	Getinge Clean Manual Plus Detergent	Manual and ultrasonic cleaning	2x5L 1x205L
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## Manual, Ultrasonic and Automated Cleaning

	Getinge Clean Enzymatic Plus	Washer-disinfectors, ultrasonic baths, manual cleaning	1x5L 2x5L 1x25L 1x205L
	Getinge Clean Enzymatic Detergent	Washer-disinfectors, ultrasonic baths, manual cleaning	1x5L 1x25L 1x205L
	Getinge Clean MIS Detergent	Washer-disinfectors, ultrasonic baths, manual cleaning	1x5L 1x25L 1x205L
	Getinge Clean Prion Detergent	Washer-disinfectors, ultrasonic baths, manual cleaning	1x5L 1x25L 1x205L
	Getinge Clean Universal Detergent	Washer-disinfectors, ultrasonic baths, manual cleaning	1x5L 1x10L 1x25L 1x205L

## Automated Cleaning

	Getinge Clean Heavy Soil Detergent	Washer-disinfectors	1x5L 1x10L 1x25L 1x205L
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## Neutralization

	Getinge Clean Neutralizer	Washer-disinfectors	1x5L 1x10L 1x25L 1x205L
	Getinge Clean Neutralizer Plus	Washer-disinfectors, stainless steel instruments, equipment	1x5L 1x10L 1x25L 1x205L

Label Color	Product name	Use	Packaging
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## Final Rinse

	Getinge Clean Instrument Lubricant	Washer-disinfectors	1x5L 1x10L 1x25L
	Getinge Clean Instrument Lubricant Plus	Washer-disinfectors, manual cleaning	1x5L 1x10L
	Getinge Clean Rinse Aid	Washer-disinfectors	1x5L 1x10L 1x25L 1x205L















## Maintenance

	Getinge Clean Chamber Foam	Stainless steel surfaces of sterilizers and automated washer chambers	6x500 ml
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# Getinge Clean

## Compatibility

	Aluminum	Anodized aluminium	Titanium	Non ferrous metals	Machrome plated	Stainless steel	Glass	Ceramics	Rubber	Plastic
 <b>Getinge Clean Pre-treatment Foam</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
 <b>Getinge Clean Manual Plus</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
 <b>Getinge Clean Enzymatic Plus</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	M
 <b>Getinge Clean Enzymatic Detergent</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	M
 <b>Getinge Clean MIS Detergent</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
 <b>Getinge Clean Universal Detergent</b>	M	M	M	M	✓	✓	✓	✓	✓	M
 <b>Getinge Clean Heavy Soil Detergent</b>	-	-	M	-	✓	✓	✓	✓	✓	M
 <b>Getinge Clean Prion Detergent</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
 <b>Getinge Clean Neutralizer</b>	M	M	✓	✓	✓	✓	✓	✓	M	M
 <b>Getinge Clean Neutralizer Plus</b>	-	-	M	M	M	✓	✓	M	M	M
 <b>Getinge Clean Instrument Lubricant</b>	✓	✓	✓	✓	✓	✓	-	-	-	-
 <b>Getinge Clean Instrument Lubricant Plus</b>	✓	✓	✓	✓	✓	✓	-	-	-	-
 <b>Getinge Clean Rinse Aid</b>	✓	✓	✓	✓	✓	✓	✓	✓	M	M
 <b>Getinge Clean Chamber Foam</b>	-	-	-	-	-	✓	-	-	-	-

✓ = The product is suitable for the material

- = The product is not suitable for the material

M = Pay special attention to the guidelines from the instruments/items manufacturer

This chart is only a guideline and information on the reprocessing of medical devices from the manufacturer according to EN ISO 17664 must always be followed.

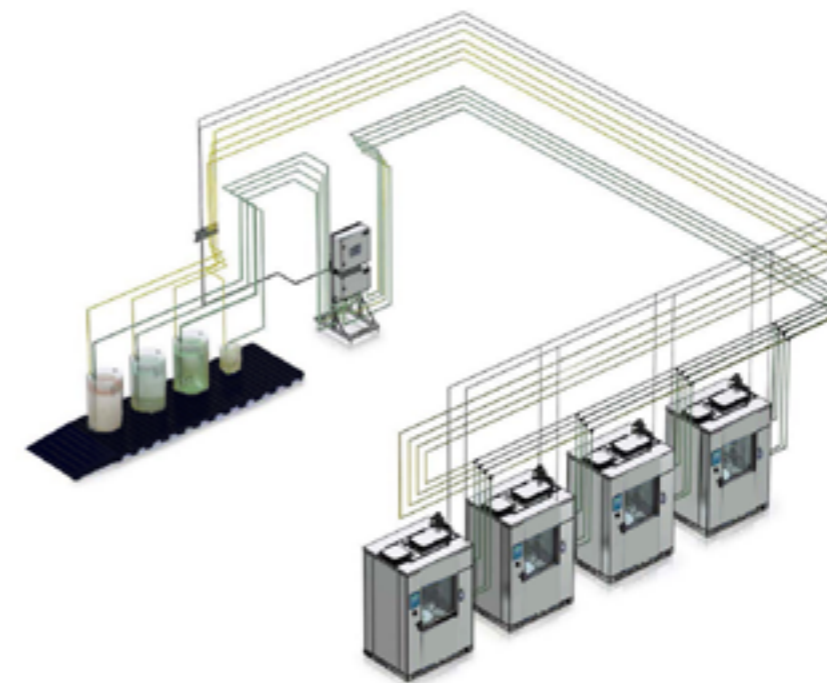
# Getinge Clean Management System (CMS)

Getinge Clean Management System (CMS) keeps washer-disinfectors and the day tanks of other connected equipment topped up at optimal levels.

Hygienic, sealed day tanks are used as a buffer between the detergent containers and the connected equipment. Each day tank is also equipped with three level sensors to maintain the right detergent level so your staff doesn't have to worry about having to check detergent levels or tanks running dry.

The washer-disinfectors utilize their standard dosing system with suction wands, detergent pumps and flow meters. This simplifies implementation since the validation process in the washer-disinfectors is not affected.

Getinge Online for remotely checking system parameters and monitoring, e.g. notifications which sends an email and/or text message to the customer's mobile device or computer when Getinge CMS reaches ordering level or gives a warning alarm before levels reach a critical point.



# Getinge Consumables

Safeguarding your instrument reprocessing – Circle for Life

## Clean it – Cleaning and Disinfection

Getinge Clean offers a wide range of cleaning agents for the most demanding instrument cleaning tasks, such as pretreatment, complex minimally invasive instruments, prions (Creutzfeldt-Jakob disease), and biofilm.

## Seal it – Packaging and Sealing

Getinge Packaging and Sealing offers the correct packaging for every sterilization process. Packaging plays a crucial role in providing an effective microbial barrier and ensuring safe sterilization.

## Assure it – Monitors and Indicators

With Getinge Assured, you can be certain that your instruments meet your specifications. This comprehensive offering provides you with the added assurance that your instruments are clean and sterile as expected.

## Packaging and sealers

### Providing the right microbial barrier

Getinge Pack Sterilization Pouches and Rolls used in combination with our rotary sealers provide an effective microbial barrier. Together, they help you keep patients safe by significantly minimizing the risk of recontamination after sterilization.

### Safely enclose devices for sterilization

Sterilization rolls and pouches easily and safely enclose medical devices intended to be sterilized in steam, ethylene oxide or formaldehyde sterilizers.

When used in combination with Getinge Rotary Sealers, the rolls and pouches are sealed in an automated process that ensures repeatable and effective sealing results.

### Efficiently seal rolls and pouches

User-friendly Getinge Rotary Sealers improve operator efficiency while delivering a high-quality seal. They are designed to efficiently, effectively, and reliably seal rolls and pouches made of medical paper or non-woven materials.



Standard pouch



Standard roll



Getinge Pack Sealer



Getinge Proseal



## Getinge Assured Indicators

### Ensuring accurate and consistent results

Are you certain that your reprocessed instruments and equipment are clean and sterile? With Getinge Assured Indicators, you can be certain that your disinfection and sterilization equipment is consistently in full compliance with all requirements and standards.

### Comprehensive cleaning and sterility assurance indicators

Routine use of our Getinge Assured Indicators provides you with independent verification that the sterilization process is effective and consistent. The indicators can be used as part of a sterilization audit, or for routine performance monitoring to eliminate "judgment calls" about performance.

The Getinge Bowie-Dick Type Test is to be used for daily testing of the mechanical function of your vacuum-assisted steam sterilizer, ensuring that its air removal system is working as expected.



Packaging type	Steam	EO	Formaldehyde
Standard rolls	•	•	•
Standard pouches	•	•	•
Self-seal pouches	•	•	•

In addition to the Bowie-Dick Test packs, the comprehensive Getinge Assured Sterility Assurance Portfolio includes:

- Wash monitoring
- Instrument surface monitoring
- Sterilization tapes
- Biological indicators
- Incubators
- Chemical indicators
- Batch load monitoring system



With a firm belief that every person and community should have access to the best possible care, Getinge provides hospitals and life science institutions with products and solutions aiming to improve clinical results and optimize workflows. The offering includes products and solutions for intensive care, cardiovascular procedures, operating rooms, sterile re-processing and life science. Getinge employs over 10,000 people worldwide and the products are sold in more than 135 countries. This document is intended to provide information to an international audience outside of the US.

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[www.getinge.com](http://www.getinge.com)