



DR. WEIGERT
Systematic Hygiene

Dosing Technology



Welcome
to the **Next Level** of
neodisher®
system
ALPHA

Intelligent Dosing Technology
in Optimum, Compact Form.

The “X” Stands for NeXt Generation!

The future needs history!

Dr. Weigert has been setting standards in professional cleaning and disinfection for over 100 years. In the areas of instrument reprocessing and dosing technology in particular, Dr. Weigert has successfully established new standards again and again. In the light of this experience, Dr. Weigert offers bespoke concepts and solutions that ensure maximum safety, value for money and easy handling.

neodisher® system ALPHA – space-saving dosing solutions are now even more innovative.

neodisher® system ALPHA stands for innovative dosing technology combined with (highly) concentrated process chemicals and the complete Dr. Weigert service. The space-saving system has been developed by Dr. Weigert in order to offer an optimum solution to the special requirements and daily challenges in automated instrument reprocessing in the Central Sterile Supply Department (CSSD).

The success of the first generation shows that Dr. Weigert has fulfilled customers' requirements in every respect to their full satisfaction. These positive results have motivated Dr. Weigert to optimise the system continuously so that the next generation can offer an even larger target group new potential for automated reprocessing. We will present the results of these efforts on the next few pages.

With the new generation of **weigomatic® system ALPHA X** dosing systems, which come in several versions, innovative dosing technology can now benefit endoscopy departments and registered endoscopy surgeries, as well as the CSSD.



A brief overview of RFID technology:

RFID stands for “radio frequency identification”. Data is stored on a RFID microchip, the so-called transponder, and transferred to the RFID reader using wireless technology.

We use proven RFID technology in the latest generation of the **weigomatic® system ALPHA X** and offer additional extended functions and innovative options:

- For use of **neodisher®** process chemicals without the risk of mix-ups
- **NEW:** For direct data processing of information that is relevant to processes to increase process safety and ensure high quality standards in the CSSD and endoscopy department

The Secret of
Our **Success Story:**
Everything
from a Single
Source!

neodisher® system ALPHA

neodisher® system ALPHA – Dr. Weigert's umbrella brand for innovative process chemicals, dosing technology and service.

weigomatic® system ALPHA X dosing systems

weigomatic® system ALPHA X – efficient and powerful dosing technology for a range of needs.

Fields of application:

weigomatic®
system ALPHA X pro



Improved
generation

weigomatic®
system ALPHA X pro



New
generation

weigomatic®
system ALPHA XS



New
generation

The system's strength – always offering the right solutions for various requirements and applications.

neodisher® process chemicals

neodisher® process chemicals – Dr. Weigert's tried and tested process chemicals for compact solutions and reliable results.

neodisher® service

Your neodisher® specialist advisor – ensures excellent service and ongoing process optimisation in combination with Application Engineering, the interface between Dr. Weigert's expertise and our customers' requirements.

The Next
Generation Can Now
Even “Think for Itself” –
**Making Many Things
Safer and
Easier!**

Ulf Klung

Head of Medical Devices Reprocessing Team
at Dr. Weigert, Hamburg



Fields of application:



CSSD



ENDO

weigomatic® system ALPHA X pro: much more than just a facelift.



The centrepiece: the intelligent control unit

- Monitoring and processing of information that is relevant to processes and quality assurance
- Responsible for processing information between RFID tag and RFID reader
- Connection to a web-based user interface for data analysis possible



LED elements with a signal effect at a glance

- Aid with recognition for fast display of problems in the event of a fault
- With the clear traffic light system, operating errors and faults can be identified immediately



Innovative RFID technology for increased process safety

- Forward-looking solution that ensures the required non-interchangeability in endoscopy
- Incorrect assembly is prevented
- Offers full user certainty



Drawers with added value

- Soft-close function prevents unwanted leakage of product on the container
- Ergonomic holders for suction lances, ensuring even more hygiene safety
- Easy replacement of drawers for retrofitting from glutaraldehyde to peracetic acid
- For up to three process chemicals





Sustainability

- The use of high-concentrates cuts transport costs and packaging waste
- New suction lance geometry allows almost all residues to be removed from containers, reducing disposal costs and protecting the environment



Analysis and evaluation

- Extended collection of data on process safety for quality management purposes
- Usage analysis for improved efficiency
- Monitoring of expiry date (including prior notice) for increased patient safety
- Provision of data for an overall batch documentation system



Easy to operate

- High user certainty: automatic product recognition prevents incorrect assembly
- Reduction in canister changes saves time and reduces pressure on employees
- Small containers reduce physical effort (occupational health and safety)



Dr. Weigert service

- Remote maintenance allows fault analysis and service costs to be optimised
- Front installation of pumps shortens service times
- Support with data analysis from a **neodisher®** specialist advisor

The right solution for each requirement.

Whether it's for the CSSD or endoscopy department, Dr. Weigert offers the right solution for every area with weigomatic® system ALPHA X pro:

weigomatic® system ALPHA X pro for CSSD and endoscopy departments

Products that can be used:

neodisher® SystemAct
neodisher® SystemClean
neodisher® SystemRinse
neodisher® SystemSpecial
neodisher endo® SEPT GA
neodisher endo® CLEAN

Technical data:

534 mm x 542 mm x 444 mm, 31 kg, max. 4 (endoscope)
washer disinfectors

Item no.:

D080014



weigomatic® system ALPHA X pro for CSSD and endoscopy departments (as a closed version)

Products that can be used:

neodisher® SystemAct
neodisher® SystemClean
neodisher® SystemRinse
neodisher® SystemSpecial
neodisher endo® SEPT GA
neodisher endo® CLEAN

Technical data:

534 mm x 542 mm x 444 mm, 34 kg, max. 4 (endoscope)
washer disinfectors

Item no.:

D080015



weigomatic® system ALPHA X pro for endoscopy departments

Products that can be used:

neodisher endo® SEPT PAC
neodisher endo® SEPT GA
neodisher endo® CLEAN

Technical data:

534 mm x 542 mm x 444 mm, 31 kg, max. 4 (endoscope)
washer disinfectors

Item no.:

D080016



weigomatic®
system ALPHA XS:
**the “S” Stands
for Smart &
Small.**

**The Dr. Weigert
promise:
safer with no
compromises.**

With the new generation of the weigomatic® system ALPHA X, Dr. Weigert is focusing on innovative RFID technology. A forward-looking solution that ensures the required non-interchangeability in endoscopy in accordance with the requirements of DIN EN ISO 15883-4 and testing procedures for endoscope cleaning devices with chemical disinfection. This ensures complete user certainty compared with colour systems that do not conform to DIN, for example. Compliance with the standard prevents incorrect assembly and incorrect reprocessing of endoscopes, thus contributing to patient safety.

**Space is precious, so we create
room.**

When it comes to the reprocessing of flexible endoscopes, space plays an important role – in smaller endoscopy departments and in registered endoscopy surgeries, lack of space is often part of everyday life. This problem was the driving force behind the design of the weigomatic® system ALPHA XS.

With the weigomatic® system ALPHA XS with two process chemicals, Dr. Weigert has drastically reduced the space required in comparison with a central dosing system. At the same time, new functions have been integrated into this version of the device.

Quick and easy wall mounting makes weigomatic® system ALPHA XS particularly practical for retroactive or additional installation.



Fields of application:



weigomatic® system ALPHA XS: with this innovation, we are advancing into completely new spaces.



The centrepiece: the intelligent control unit

- Monitoring and processing of information that is relevant to processes and quality assurance
- Responsible for processing information between RFID tag and RFID reader
- Connection to a web-based user interface for data analysis possible



LED elements with a signal effect at a glance

- Aid with recognition for fast display of problems in the event of a fault
- With the clear traffic light system, operating errors and faults can be identified immediately



Innovative RFID technology for increased process safety

- Forward-looking solution that ensures the required non-interchangeability in endoscopy
- Incorrect assembly is prevented
- Offers full user certainty



Drawers with added value

- Ergonomic holders for suction lances, ensuring even more hygiene safety
- Easy retrofitting of drawers when switching from glutaraldehyde to peracetic acid
- With up to two process chemicals





Sustainability

- The use of high-concentrates cuts transport costs and packaging waste
- New suction lance geometry allows almost all residues to be removed from containers, reducing disposal costs and protecting the environment



Analysis and evaluation

- Extended collection of data on process safety for quality management purposes
- Usage analysis for improved efficiency
- Monitoring of expiry date (including prior notice) for increased patient safety
- Provision of data for an overall batch documentation system



Easy to operate

- High user certainty: automatic product recognition prevents incorrect assembly
- Reduction in canister changes saves time and reduces pressure on employees
- Small containers reduce physical effort (occupational health and safety)



Dr. Weigert service

- Remote maintenance allows fault analysis and service costs to be optimised
- Front installation of pumps shortens service times
- Support with data analysis from a **neodisher®** specialist advisor

Modest in terms of the space required – outstanding in terms of performance.

Discover the compact weigomatic® system ALPHA XS for use in smaller endoscopy departments and registered endoscopy surgeries for the use of two process chemicals.

weigomatic® system ALPHA XS
for small endoscopy departments and registered endoscopy surgeries

Products that can be used:
neodisher endo® SEPT PAC
neodisher endo® SEPT GA
neodisher endo® CLEAN

Technical data:
400 mm x 600 mm x 350 mm, 18 kg, max. 4 (endoscope)
washer disinfectors
Also suitable for wall mounting

Item no.:
D080018



Also Suitable
for **Space-Saving**
Wall Mounting.



We're Happy
to Adapt to Your
**Individual
Needs.**

So small and yet full of benefits for you.

A small format, but very big on individualisation: the weigomatic® system ALPHA X pro and XS can be configured to your exact requirements. Use our standardised accessories programme for the best results, or talk to your neodisher® specialist advisor, who will develop expert solutions that are right for conditions at your site:

- Hose materials depending on local conditions
- Adapters (gauge rings) for various suction lances
- Dosing hoses for the products that are used
- Connectors to connect the storage vessel

Up to two storage vessels can be used with the **weigomatic® system ALPHA XS** and up to three storage vessels with the **weigomatic® system ALPHA X pro**. These have integrated filling level measurement and an overflow safety device for supplying up to 4 (endoscope) washer disinfectors. The dosing pumps of the (endoscope) washer disinfectors transfer the components of cleaning agents and disinfectants out of the storage vessels with the built-in suction lances.



Service Quality

Is Part of System Programming at Dr. Weigert.

Intelligent systems can be serviced more quickly in the event of a fault.

In designing the weigomatic® system ALPHA X, Dr. Weigert focused on easy, fault-free operation. This led to the creation of a system that enables:

- Operating errors to be virtually ruled out
- Error messages to be read out on the tablet via WiFi and in some cases rectified directly

These benefits allow reprocessing procedures to be optimised and the efficiency and capacity utilisation of departments to be increased. This significantly reduces service costs.

Dr. Weigert has also optimised ease of service with the new generation. With the **weigomatic® system ALPHA X**, our **neodisher®** specialist advisors can solve mechanical problems faster. They also support your employees with data analysis and individual configuration of the system.



If you have any further questions about integrating **neodisher® system ALPHA** into your hospital and surgery environment and about your individual conditions, please contact your **neodisher® specialist advisor**.



Expect More as Well as Less.

The persuasiveness of innovation – the best arguments at a glance:

- **weigomatic® system ALPHA X** fits under every hatch and can thus be used centrally in the CSSD or in endoscopy departments. Its very compact design means that planning, logistics and investment for a central dosing chamber are not necessary.
- **Optimised removal** of residues from containers maximises the use of process chemicals and **increases efficiency**. Disposal of residues is no longer necessary, which makes the system more **environmentally friendly**.
- The use of **high concentrates** cuts packaging waste and reduces the energy needed for transport, allowing optimum use to be made of storage capacity.
- **Optimum programming** through individual selection of components and dosing according to cleaning requirements.
- The **low canister weight** means that occupational health and safety guidelines to promote the protection of employees' health are complied with.
- **Digital remote maintenance** makes advance error diagnosis easier and reduces down time.
- **A more efficient logistics process** thanks to quick and easy container changes.
- **Increased process safety and reduction in down time** with LED lamps for container empty status or fault messages.
- **Improved RFID-supported batch documentation** for transparent monitoring and to increase quality standards.
- **Flexible interfaces** enable integration into existing quality assurance systems.
- **Increase in patient safety** through mapping of processes that comply with standards, such as in endoscopy in accordance with DIN EN ISO 15883-4.
- **RFID-based product recognition** stops incorrect assembly with process chemicals that have not been permitted and prevents damage to washer disinfectors, endoscope washer disinfectors, endoscopes and instruments.

neodisher® SystemAct and neodisher® SystemClean – the Team for Maximum Hygiene Safety.

The System Components

Minimum size with maximum performance: the perfect combination for exceptional cleaning results

- **neodisher® SystemAct:** the enzymatic component actively removes proteins
- **neodisher® SystemClean:** the alkaline component removes blood and organic residues



Recommended Applications:

Automated cleaning of thermostable and thermolabile instruments

0.5–1 ml/l,
e.g. 30–60 °C, 10 min



Perfect Cleaning Results:

- The individually adjustable combination of enzymatic and alkaline components achieves the best removal of typical post-surgery residues, while preserving material in the best-possible manner.
- The high-concentrates have been specially developed to reduce the dosage as far as possible; this reduces the frequency with which containers need to be changed and optimises storage.

Our Competence – Your Benefit:

- highly concentrated – small canisters with exceptional efficiency
- ideally matched components; with ideal water quality no neutralisation necessary
- two liquid products
- excellent material compatibility
- economical use and reduced canister size



- easy to use: no heavy lifting; space-saving storage and fewer container changes
- exceptional efficacy, perfect cleaning results at short program sequences
- no dissolving necessary, reliably stable concentration
- for gentle reprocessing of medical devices with maximum value preservation
- conserves resources, prevents waste, saves costs in transportation and storage

neodisher® SystemRinse and neodisher® SystemSpecial – the Optional Additional Components.

neodisher® SystemRinse

Excellent rinsing component for rapid and stain-free drying of surgical instruments, incl. MIS and micro instruments, anaesthesia utensils, containers and other medical utensils

- Excellent wetting properties – significantly shortens drying time
- Reduced time and energy requirement for automated reprocessing



2x



neodisher®
SystemRinse:
5 l canister
Item no. 4126 37

neodisher® SystemSpecial

Acidic cleaning / neutralisation component for automated reprocessing of surgical instruments, incl. MIS and micro instruments, anaesthesia utensils, containers and other medical utensils

- Prevents the formation of mineral deposits caused by e.g. unsuitable water quality
- Neutralises alkaline residues from the main cleaning step during automated reprocessing, e.g. with ophthalmologic instruments



2x



neodisher®
SystemSpecial:
5 l canister
Item no. 4214 37

Recommended Applications:

Rinsing in automated reprocessing of thermostable and thermolabile instruments

0.3–1 ml/l

Recommended Applications:

Acidic cleaning / neutralisation of thermostable and thermolabile instruments

1–2 ml/l

Our Competence – Your Benefit:

- optimally adjusted to the neodisher® SystemClean and neodisher® SystemAct components
- features RFID technology

neodisher® SystemRinse:

- excellent wetting properties
- shorter drying times

neodisher® SystemSpecial:

- excellent material compatibility
- removal of mineral deposits



- for perfect reprocessing results – from cleaning to drying
- no risk of mixing up canisters
- fast and streak-free drying
- reduces time and energy requirements for automated reprocessing
- optimal value retention of the instruments
- no formation of stains on the instruments

neodisher endo® CLEAN – the Guarantee of Optimum Cleaning and Material Compatibility.

neodisher endo® CLEAN

The mildly alkaline / enzymatic cleaner combines outstanding cleaning performance and impeccable material compatibility

- For the automated cleaning of flexible endoscopes and endoscopic accessories
- For the manual cleaning of flexible endoscopes and endoscopic accessories in immersion or ultrasonic baths



2x



neodisher
endo® Clean:
5 l canister
Item no. 4074 37

Maximum Cleaning Performance:

- **neodisher endo® CLEAN** solves organic residues and prevents their redeposition. The detergent reliably removes residues of dried and denatured blood.
- **neodisher endo® CLEAN** fulfils the current recommendations of the Robert Koch Institute (RKI) for the reprocessing of medical devices to minimise the risk of transmitting the new variant of the Creutzfeldt-Jakob Disease (vCJD).

Recommended Applications:

Automated cleaning of flexible endoscopes	5 ml/l (0.5%), 35–55 °C, 3–10 min
Automated cleaning of thermostable accessories	2–10 ml/l (0.2–1%) ¹ , 40–60 °C, 10 min
Manual cleaning	5–10 ml/l (0.5–1%) ¹ , Max. 40 °C, 5–10 min

The cleaning performance must be verified in a validation on site.



Excellent material compatibility –
suitable for endoscopes of all leading
manufacturers

Our Competence – Your Benefit:

- unique formula based on alkali donors, enzymes and surfactants
- low-foam formulation
- excellent material compatibility
- fulfils the current reprocessing recommendations of the RKI to minimise the risk of transmitting vCJD
- usable for manual and automated cleaning



- excellent cleaning performance
- cleaning activity is not inhibited by foam development
- suitable for endoscopes of all leading manufacturers
- safe reprocessing of endoscopes and endoscopic accessories
- one product for two reprocessing steps; when used for manual pre-cleaning the cleaner solution does not need to be rinsed off prior to the automated reprocessing step with neodisher endo® CLEAN

neodisher endo® SEPT GA – the Efficient Classic for Automated Disinfection.

neodisher endo® SEPT GA

The aldehyde-based high-level disinfectant stands out due to its efficacy and low-odour formula

- For the automated high-level disinfection of flexible endoscopes in washer-disinfectors (WD-E)



2x



neodisher endo®
SEPT GA:
5 l canister
Item no. 4071 37

Effective Disinfection:

- **neodisher endo® SEPT GA** is active against bacteria (incl. MRSA, *Helicobacter pylori*), mycobacteria (incl. *M. tuberculosis*), fungi and viruses (incl. hepatitis A, B and C, HIV, rotaviruses, noroviruses). The disinfecting activity has been tested and confirmed according to the DIN EN 14885.
- **neodisher endo® SEPT GA** conforms to the requirements on disinfectants for the disinfection of flexible endoscopes according to the DIN EN ISO 15883-4.
- The automated reprocessing process with **neodisher endo® CLEAN** and **neodisher endo® SEPT GA** fulfils the requirements of the DIN EN ISO 15883-4 regarding a germ reduction of > 9 log in the total process. Furthermore, it is active against the spores of *Clostridium difficile*.
- Disinfecting active substance in 100 g: 10.5 g glutaral.

Recommended Applications:

Automated high-level disinfection
of flexible endoscopes

10 ml/l (1.0%),
55 °C, 5 min



Our Competence – Your Benefit:

- rapid, extensive microbicidal activity
- low-odour formula, free of formaldehyde, without CMR² substances
- excellent material compatibility
- the products neodisher endo® CLEAN and neodisher endo® SEPT GA are perfectly matched



- final disinfection in only 5 min; included in the IHO¹ list of disinfectants
- particularly user-friendly
- suitable for endoscopes of all leading manufacturers
- a possible carrying over of neodisher endo® CLEAN into the disinfection step has no impact on the disinfection performance of neodisher endo® SEPT GA

neodisher endo® SEPT PAC – Turbo Power for Modern Automated High-level Disinfection.

neodisher endo® SEPT PAC

The disinfectant based on peracetic acid stands out due to its rapid efficacy and extensive activity spectrum

- For the automated disinfection of flexible endoscopes in washer-disinfectors (WD-E)



2x



neodisher endo®
SEPT PAC:
4.75 l canister
Item no. 4075 27

Effective Disinfection:

- **neodisher endo® SEPT PAC** is active against bacteria (incl. MRSA, tuberculosis pathogens, *Helicobacter pylori*), fungi, mycobacteria, spores of *C. difficile* and viruses (incl. hepatitis A, B and C, HIV, rotaviruses, noroviruses). The disinfecting activity has been tested and confirmed according to the DIN EN 14885.
- **neodisher endo® SEPT PAC** complies with the requirements on disinfectants for the disinfection of flexible endoscopes according to the DIN EN ISO 15883-4.
- The automated reprocessing process with **neodisher endo® CLEAN** and **neodisher endo® SEPT PAC** fulfils the requirements of the DIN EN ISO 15883-4 regarding a germ reduction of > 9 log in the entire process.
- Active substances in 100 g: 15.0 g peracetic acid.

Recommended Applications:

Automated disinfection of flexible endoscopes

10 ml/l (1.0%),
25 °C, 10 min
or
10 ml/l (1.0%),
35 °C, 5 min



Our Competence – Your Benefit:

- extensive activity at low temperatures
- free of aldehydes, amines and QAC², based on peracetic acid
- without CMR³ disinfecting active substances
- excellent material compatibility
- the products neodisher endo® CLEAN and neodisher endo® SEPT PAC are perfectly matched



- included in the IHO¹ list of disinfectants; fully active in only 5 min, incl. spores of *C. difficile* (without activator), saves energy and resources
- no incompatibilities with other active substances, environmentally friendly degradation products of the active substance peracetic acid
- very user-friendly
- suitable for endoscopes of all leading manufacturers
- a possible carry-over of neodisher endo® CLEAN into the disinfection step has no impact on the disinfection performance of neodisher endo® SEPT PAC

Please refer to the respective product data sheet for further product information and instructions for use.

¹ Industrial Association for Surface Protection and Hygiene, Germany

² Quaternary ammonium compounds

³ Carcinogenic, mutagenic, toxic to reproduction



DR. WEIGERT
Systematic Hygiene



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