

WD 425

Unique flexibility in the smallest of spaces

# Fully automated reprocessing of flexible thermolabile endoscopes\*

Endoscopic examinations and interventions are indispensable for current diagnostics and therapy. High-quality reprocessing of flexible endoscopes is therefore particularly important. The aim is to effectively prevent transmission of infection from one patient to another through contaminated endoscopic instruments.

The fully automatic cleaning and chemo-thermal disinfection, together with a final rinse using thermally disinfected deionized water, comply with the standards for reprocessing flexible endoscopes.

According to national and international specifications, the endoscope should be precleaned immediately after use on the patient. The ensuing brush cleaning of all channels of the endoscope to be reprocessed (precleaning) is essential for the cleaning result of the entire reprocessing cycle.

Thanks to the reproducibility of the automated cleaning and disinfection process in the automated endoscope reprocessor (AER), cross-contamination can be consistently avoided and maximum patient safety ensured.

### High capacity and cleaning performance

As one of the leading providers of system solutions in the field of infection prevention, Belimed has developed the economical WD 425 washer-disinfector for flexible endoscopes specifically for medical practices and hospitals. High throughput is achieved with the simultaneous reprocessing of up to three flexible endoscopes. Each endoscope is fully cleaned and disinfected and is immediately ready for use on patients at the end of the process.

Dimensions	WD 425
Under-counter model without cover, H x W x D (mm)	860 x 900 x 700
Under-counter model with cover (optional), H x W x D (mm)	910 x 900 x 700
Model with base and cover (optional), H x W x D (mm)	1.450 x 900 x 700
Washing chamber dimensions, H x W x D (mm)	635 x 580 x 550



\*For better readability, flexible endoscopes are used below



## Unique flexibility

One unit for all. Whether for reprocessing flexible or rigid endoscopes, surgical or MIS instruments, anesthesia materials or utensils – the WD 425 has an impressively wide range of applications.

### Flexible in use

The WD 425 is ideal wherever flexible endoscopes and a wide variety of medical devices need to be reprocessed in a confined space. The wide range of applications of the WD 425 brings real cost savings. Both chemothermal processes for flexible endoscopes and thermal processes for instruments can be performed. The WD 425 is suitable for reprocessing all commercially available endoscope types from a wide range of manufacturers.

### Processing with glutaraldehyde or peracetic acid

The WD 425 is well equipped for intensive applications. Thanks to high-quality materials and components, glutaraldehyde or peracetic acid can be used for the disinfection processes.

Belimed recommends the use of Belimed Protect™ Mild Alkaline Enzyme Cleaner, Glutaraldehyde Disinfectant or PAA 15. These detergents and disinfectants were used for the WD 425 type test.

### Easy installation

The WD 425 cleaning and disinfection device is quick and easy to install. Apart from water, deionized water, waste water and electricity, no other connections are required. The integrated exhaust air condenser is standard, and connection to an on-site exhaust air system is also possible (recommended for peracetic acid operation).

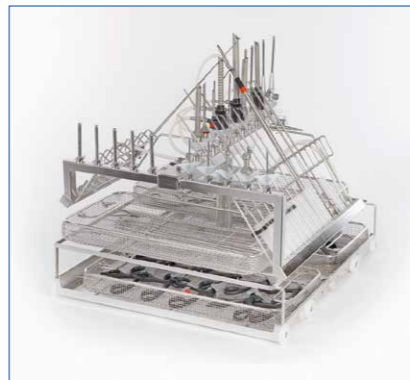
### A comprehensive range of auxiliaries for versatile processing needs

Belimed offers a wide range of auxiliaries for the WD 425 to ensure versatile applications.

Please contact your local distributor for a complete overview of the available auxiliaries.



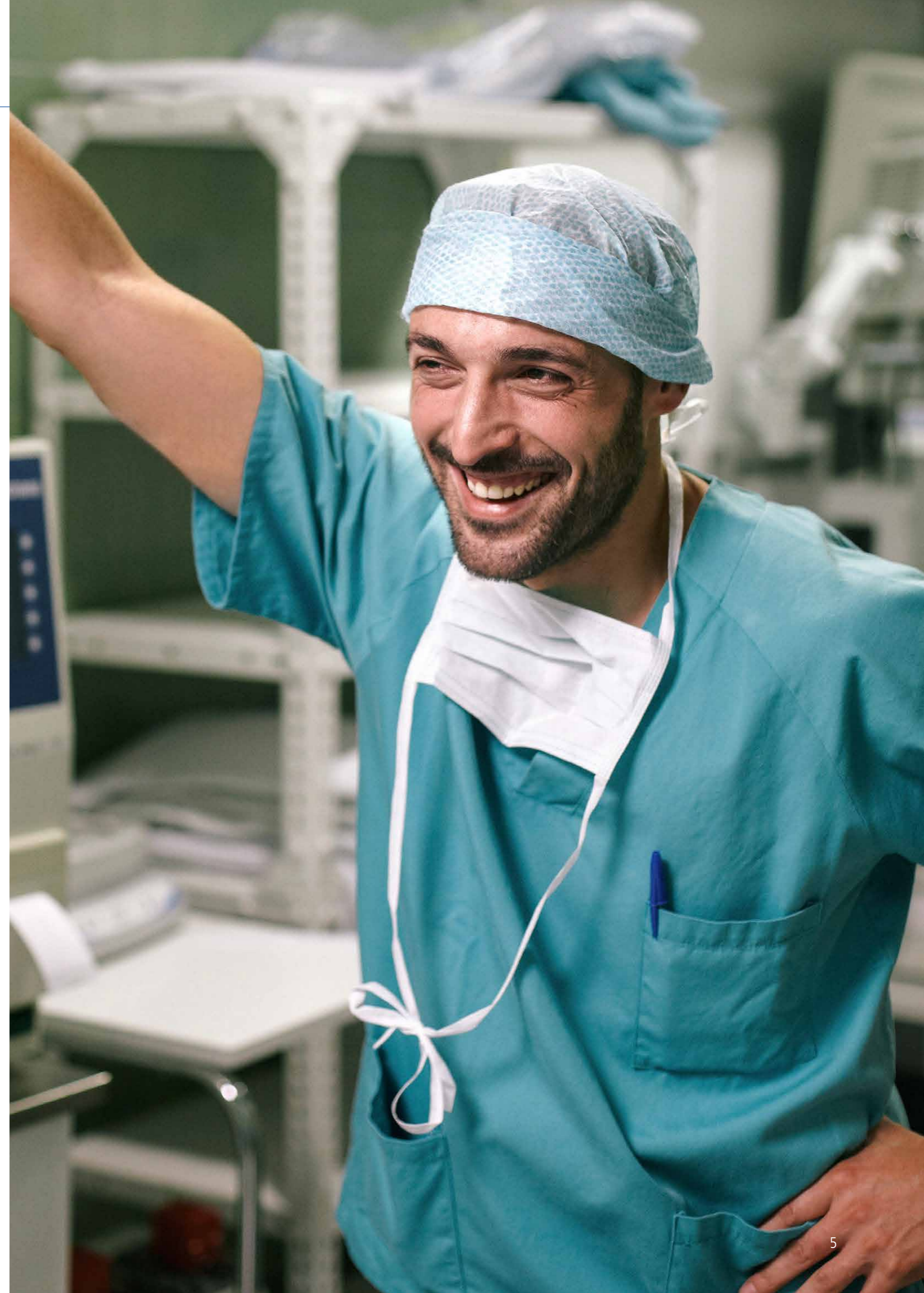
Three-level racks for 3 flexible endoscopes



Racks for MIS instruments



Racks for the preparation of operating instruments with up to 4 levels for 8 DIN trays



## Hygienic and safe

Our primary goal is to protect patients and personnel. We guarantee this through reliability, high process quality and ease of operation. Our consistent focus on safe and reliable operation of the device can be seen in every detail.

### Perfect reprocessing results

The washing chamber is made of high-quality 316L stainless steel. The rounded-corner chamber design was specially developed to prevent cross-contamination and carryover of rinsing agents. This design, derived from pharmaceutical technology, guarantees residue-free and quick drainage in every step of the process. The Belimed waste water drainage system cleans and disinfects each channel individually. Its function and design therefore ensure a hygienically perfect reprocessing result.

### Compliant with standards – current norms are fully met

Tested and certified by accredited, independent hygiene institutes: The WD 425 meets the requirements of all applicable guidelines, both country-specific and international, and is fully compliant with EN ISO 15883-1, -2 and -4.

### Simple, safe operation

Operation of the WD 425 washer-disinfector is simple, intuitive and clear. It fulfills all criteria for high levels of user comfort. The appropriate program can be started at the push of a button. Important process data, e.g. batch time, program status, temperature and remaining running time, are clearly shown on the display. The readiness for loading and unloading, remaining running time and error messages are also clearly visible from a distance thanks to the patented Belimed process status display.

### Automatic program selection

The advantage of simple and reliable use has been consistently enhanced: automatic program selection instead of manual selection is also possible. Here, the control system uses special sensors to identify the respective rack, applies the correct settings for cleaning, disinfection and aeration of the lumens, and starts operation automatically.

### Effective final rinsing – recontamination eliminated

The final rinse is performed with thermally disinfected DI water according to the recommendations of the Robert Koch Institute (RKI). This ensures consistent quality of the final rinse water and effectively prevents endoscope recontamination. The process, including indirect recooling, is performed simultaneously with the ongoing cleaning process.

### Thermal disinfection with control of $A_0$ value

For surgical utensils and instruments, an  $A_0$  value of 3,000 is common. When this value is reached, the control system terminates the disinfection stage. The result: optimized process time and energy utilization.

### Fast and resource-saving thermal self-disinfection

Country-specific guidelines recommend regular self-disinfection of the washer-disinfectors. The thermal self-disinfection program of the WD 425 requires no chemicals and takes only 40 minutes. This not only saves time, but also reduces costs.

### Rapid data acquisition

The use of barcode scanners means additional speed and reliability for data acquisition: the barcodes on the endoscopes can be read in seconds. The data is recorded and documented automatically and is thus clearly traceable.

### Seamless data tracking

Essential program data is documented with the integrated printer. Belimed software solutions provide an optimal interface between our devices and your instrument tracking system. This allows you to provide proof of proper endoscope reprocessing without having to invest any additional time. Data is reliably delivered in real time, enabling paperless quality documentation. The cycle documentation can be retrieved in the form of a PDF via a network PC and printed on any network printer.



## Maximum capacity in the smallest of spaces

Space-saving with high throughput: the WD 425 is a powerful and compact washer-disinfector. Three flexible endoscopes or eight DIN instrument trays can be reprocessed simultaneously per batch.

### Professional reprocessing – even in confined spaces

The WD 425 washer-disinfector brings together proven technology in an extremely compact design. With a width of only 90 cm and a depth of 70 cm, the machine has an excellent ratio between usable space and footprint. The WD 425 can be operated as an under-bench reprocessor or, with an optional base, also as a free-standing unit.

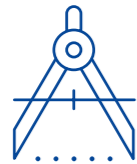
### More efficiency with preloading outside the machine

In an endoscopy department, the number of flexible endoscopes available is limited. This means they must be reprocessed quickly to be made available for the next use. An important prerequisite for this is optimal utilization of the AER. The endoscopes can already be placed in the receiving baskets outside the unit in advance and connected to the individual channels. They are thus immediately ready for the next reprocessing cycle and downtimes due to loading can be avoided.



## Belimed supplies systematic solutions

The WD 425 washer-disinfector is the machine for efficient reprocessing in your CSSD or endoscopy department. As Engineers of Confidence, we at Belimed think even further than that. We offer a perfectly tailored approach in the areas of planning, technology and service.



### Belimed Blueprint

The planning and design team develops tailor-made solutions for various needs, goals and space requirements – from analysis to installation.



### Belimed Protect™

Our detergents guarantee optimal cleaning and disinfection performance and outstanding material compatibility.



### Belimed Connect

Our digitalization portfolio enables us to guarantee perfect documentation of automatic cleaning and disinfecting thanks to complete connectivity.



### Belimed Prevent™

With our service packages, we offer preventive maintenance and provide you with comprehensive support. Our focus is on ensuring your success.



### Belimed Academy

The training we provide enables us to pass on the knowledge needed by our customers and partners to get the most out of their CSSD.



### Matching auxiliaries

Matching racks, adapters and auxiliaries provide you with even greater flexibility.

## The WD 425 – an overview

The WD 425 washer-disinfector is used for the reprocessing of flexible endoscopes in medical practices and the endoscopy departments of hospitals. The WD 425 cleans and disinfects different types and models of flexible endoscopes. Three endoscopes with up to seven channels can be reprocessed at a time. Thanks to flexible applications and its compact size, the device ensures high throughput in the smallest of spaces.

### Developed for patient safety

- Independent process control (IPD), dual execution of process-relevant sensors, signal processing on a separate CPU.

### Tested safety for highest cleaning and disinfection performance

- Conformity with EN ISO 15883-1, -2 and -4, verified by accredited, independent hygiene institutes. The WD 425 type test, which also included the components endoscopes, adapters and chemicals, demonstrated maximum efficacy of the cleaning and disinfection processes.

### User-friendly endoscope adapter connection concept

- The preconfigured adapter system guarantees a safe connection of flexible endoscopes from all common manufacturers.

### High-quality, durable design with minimum footprint

- Durable stainless steel components enable thermal disinfection of the AER. Extremely compact design, available with a base or as an under-bench machine.

### Flexible applications

- Ideal for reprocessing flexible endoscopes and a wide variety of medical devices in restricted space conditions.

Visit us at [belimed.com](https://belimed.com)



### Headquarters

Belimed AG  
Grienbachstrasse 11  
6300 Zug  
+41 41 449 78 88  
[info@belimed.com](mailto:info@belimed.com)



5320.711.002\_2023.08 Subject to change

CE 0044

**Belimed**  
Infection Control

Engineers of Confidence.