



WD 200

Maximum throughput in minimum space

Reliable instrument reprocessing – fast and economical

Reprocessing units for medical devices and decentralized reprocessing departments function as modern service centers for the entire healthcare enterprise. The requirements for instrument reprocessing are correspondingly high.

A wide variety of medical devices and materials need to be cleaned, disinfected and dried. The goal is to make sterile goods available again in perfect condition and as quickly as possible for their next use.

The challenge

CSSDs and decentralized reprocessing departments are needed more than ever before, and increasing demands on productivity must be combined with optimum cleaning quality. Washer-disinfectors that can efficiently and reliably reprocess large quantities of medical devices, utensils and delicate instruments and have a small footprint, simple handling and easy maintenance are therefore required.

High quality

The requirements of our customers as well as current directives serve as our benchmark for safety, quality, efficiency and ecology. Such principles are also reflected in the WD 200 washer-disinfector. The exclusive use of high-quality materials together with painstaking manufacturing make the product durable and highly robust. This is typified, for example, in the scratch-resistant and extremely durable glass front and the intelligently designed washing chamber with a minimum of welded joints. The device complies with all international and country-specific directives, for example EN ISO 15883-1 and -2 as the most important standards.

Dimensions	WD 200
Outer dimensions H x W x D (mm)	1,840 x 680 x 710
Chamber dimensions H x W x D (mm)	625 x 575 x 628
Chamber volume net/gross (l)	225/280
Capacity per load	
Surgical instruments (DIN trays)	up to 12



High capacity – small footprint

Developed in accordance with the latest EN ISO 15883-1 and -2 standards, the WD 200 washer-disinfector ensures maximum capacity, minimum space requirements and low media consumption.

Maximum performance in minimum space

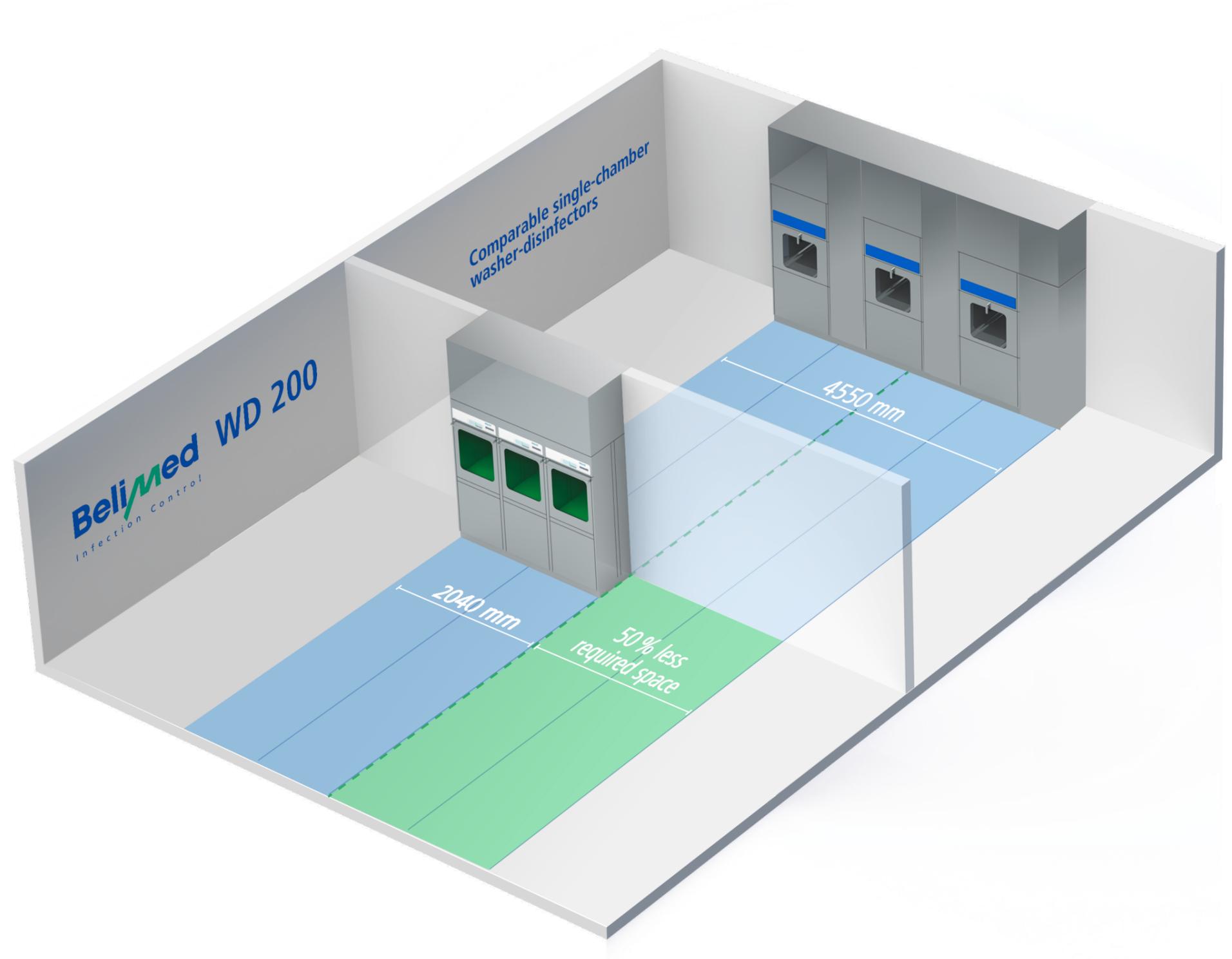
The WD 200 washer-disinfector was developed for professional use in hospitals and small clinics. The unit features a holding capacity of up to 12 DIN instrument trays, a small footprint, low media consumption and the highest quality for the washing chamber and machine components. The WD 200 was developed in compliance with the latest EN ISO 15883-1 and -2 standards, is easy to operate and enables fast and reliable reprocessing of medical devices.

For tight spaces

With a width of just 68 cm, the WD 200 has the smallest footprint in its class. No side access is required for maintenance work – service and maintenance can be carried out from the front.

Belimed WD 200

- Capacity: 12 DIN instrument trays per cycle
- 20% more capacity per cycle
- Up to 50% less space required
- Easy maintenance from the front



High operating convenience down to the last detail

With high-grade materials and quality, the WD 200 meets maximum requirements in terms of design and workmanship. Robust, double-glazed hinged doors are a standard Belimed feature, as is the illuminated, high-quality manufactured chamber made of AISI 316L stainless steel.

Constant pressure docking coupler – high cleaning action

The machine and rack combine to form a complete system. The tight seal of the docking coupler ensures pressure-constant, leakage-free supply to the cleaning system, achieving significantly better cleaning action compared to conventional docking systems.

Perfect hygiene – thorough self-disinfection of the entire system

Hygiene in another dimension: the machine is automatically cleaned and disinfected according to definable downtimes. This involves the entire system, including the washing chamber and purified water preheating tank. As a result, the machine is always in perfect, disinfected condition when work begins.

Reliable automatic complete drainage after each program phase

The WD 200 washer-disinfector consistently eliminates the risk of media carry-over – the entire system, including the drain sump, is completely drained after each process step within a cycle.

Electrically assisted door locking system: more ergonomics and reliability for your daily work

The electric locking mechanism ensures that the doors are closed and tight, thus significantly reducing the risk of incorrectly closed doors or leaks. This saves effort and time in daily work.

Hygiene at the highest level

The welding seams of the chamber are reduced to a minimum. The chamber floor has a 5% incline, allowing the water to drain off optimally after the cleaning process. The risk of cross-contamination and carry-over of rinsing media is reduced to a minimum.

High holding capacity thanks to intelligent rack design

The WD 200 features not only a compact design but also a new rack concept for instrument reprocessing. The one-piece wash arm is unique in design – and outstanding in terms of cleaning performance. The one-piece construction covers a larger area, washing pressure is higher and spray shadows are minimized. Up to 12 DIN instrument trays can be processed simultaneously.

Efficient and economical operation

Belimed is committed to high economic efficiency for the reprocessing of medical devices, with a main focus on cost savings and optimum cost-benefit ratio. The consumption of resources such as water, detergents and energy is correspondingly low.

Low media consumption – high productivity

With the unique Dynamic Filling system, water, detergents and energy can be saved by up to 20%. The optional exhaust air heat recovery with purified water preheating reduces energy and media consumption by an additional 20%. The intelligent design of the new-generation Belimed ECO racks also ensures improved water management and even better cleaning results. On average, 10% less water is required than with conventional racks.

Energy saving through exhaust air heat recovery

To reduce energy consumption, the purified water is heated using hot exhaust air from the machine. The purified water heated via the vapor condenser is fed to the purified water preheating tank and used for thermal disinfection in the machine. This exhaust air heat recovery reduces energy utilization by 20% and increases productivity by 25%. This process reliably avoids condensation in the exhaust air line, thus providing protection against microbial contamination and corrosion.

Unique ECO racks with additional capacity and reduced media consumption

The latest generation of racks is based on a water distribution unit manufactured in one piece. This achieves water- and pressure-optimized performance and exceptional cleaning results. With a capacity of up to 12 DIN instrument trays per cycle, the WD 200 is capable of reprocessing 20% more instruments than all other washer-disinfectors in its class.



20%
energy savings



20%
water savings

Noticeably higher work quality due to easy operation

CSSDs manage high workloads with few staff. Belimed provides work relief and places particular emphasis on simple operation and maximum process reliability.



Convenient and transparent user guidance

Clear menu navigation and the illuminated color display ensure a high level of user comfort. Actuating the respective keys – simple touching is sufficient – is confirmed by an acoustic signal.

Automatic program selection for efficient reprocessing

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

Correct and fast information

Important process data such as remaining running time, readiness for loading or removal, or fault messages are displayed via the patented process status display. Staff see at a glance the relevant information, clearly visible from a distance. The display is in the form of an analog clock using LED technology.

Ergonomic and functional

When open, the practical hinged doors of the WD 200 serve as a loading or removal surface. The racks can thus be loaded at an ergonomic height of 87 cm, and use of a transfer trolley is not generally necessary. After closing the door, the traffic area becomes fully available again. This increased freedom of movement is particularly advantageous in narrow rooms.

Easy to clean wash arms

The WD 200 and the corresponding racks are equipped with easy-clean wash arms with removable end caps.

Monitoring and documentation made easy

The WD 200 offers various options for monitoring and documenting its process cycles.

A_0 value – the measure of the effectiveness of thermal disinfection

The programmable microprocessor control calculates the current A_0 value. The disinfection phase is only terminated when the preset value is reached. This prevents unnecessary media consumption and saves time. The A_0 value is a measure of the effectiveness of thermal disinfection as a function of temperature and disinfection duration. Mathematically, this is described by the integral of temperature over time. The standard specifies the variable A_0 in seconds.

More reliability through independent monitoring of process data

Optional monitoring sensors achieve maximum process reliability. All relevant performance parameters are continuously monitored:

- Number and type of process steps
- Water quality and quantity
- Temperature-time profiles | water and air
- Quantity of process chemicals used
- Conductivity of the final rinse water

SmartHub for a fully digital CSSD

The SmartHub is more than a connection – it paves the way to a fully digital CSSD. Belimed washer-disinfectors, sterilizers and automated endoscope reprocessors (AERs) generate up to two million data points per cycle, resulting in a collection of valuable information. The SmartHub records relevant data on program selection, dosing, temperature, water consumption, time and water conductivity – in real time and from all Belimed machines. This data is further processed via an Instrument Tracking System or as a practical PDF file. Via the dashboard, you receive comprehensive data on cleaning programs and process progress on an external monitor.



SmartHub

Belimed supplies systematic solutions

The washer-disinfector WD 200 is the equipment for efficient reprocessing in your CSSD. 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 cleaning chemistries guarantee optimal cleaning and disinfection performance and outstanding material compatibility.



Belimed Connect

Our digitalization portfolio ensures accurate documentation of automatic cleaning, disinfection and sterilization 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.



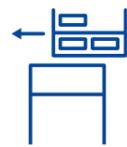
Belimed Academy

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 greater flexibility.



Automation systems

Our automation systems ensure optimal utilization of your machines and ease the burden on your staff thanks to automatic loading and unloading.

The WD 200 – an overview

The requirements of our customers as well as current directives are our benchmark for safety, quality, efficiency and ecology. The WD 200 is designed for professional applications in hospitals and clinics with limited space.

Quality, efficiency and economy

- Combination of high-quality materials with Swiss engineering
- Maximum precision of the cleaning system provides perfect hygienic results
- Long service life due to the use of high-quality components and materials
- Dynamic process control for minimum resource requirements and low costs
- Automatic program selection for efficient processes

High capacity – small footprint

- Holding capacity of up to 12 DIN instrument trays per cycle
- At only 68 cm wide, the WD 200 requires up to 50% less space than comparable equipment
- Frontal access for maintenance

Simple handling – additional reliability

- Electric door locking systems for easy handling and reliable, fault-free operation
- Convenient, simple operator guidance
- The patented process status display provides an overview of the most important process information
- Independent monitoring of process data

Seamless connectivity

- Complete documentation of process data
- Digitally networkable via SmartHub
- Connection to dashboards for a clear display of current process steps on external monitors

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Infection Control

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