



WD 290 IQ

The intelligent and reliable solution for CSSDs

Belimed
Infection Control



Belimed WD 290 IQ – with integrated intelligence for confident reprocessing

The washer-disinfector WD 290 IQ is the intelligent solution for instrument reprocessing in your Central Sterile Supply Department (CSSD). It is the beating heart of safe, rapid and efficient reprocessing. The WD 290 IQ enables you to achieve perfect hygienic results, keep your costs under control and ease the burden on your staff.

Dimensions	WD 290 IQ
Outer dimensions H x W x D (mm)	1,840 x 900 x 940
Chamber dimensions H x W x D (mm)	690 x 630 x 800
Chamber volume net/gross (l)	350/442
Capacity per load	
Surgical instruments (DIN trays)	18



First-class cleaning performance

Safe, rapid and efficient reprocessing in combination with intelligent process systems leads to perfect cleaning results.

Intuitive use

The combination of touchscreen user interfaces and state-of-the-art process controls make for easy use and provides an overview at all times.

Modular and forward looking

With its modular and flexible design, the WD 290 IQ can be adapted in response to growing customer needs, and this also applies to equipment already installed.

Seamless connectivity

With its abundance of sensor data and seamless connection to SmartHub, the WD 290 IQ delivers the technology of tomorrow today.

More intelligence for instrument reprocessing

Fewer resources for perfect cleaning results: optimized for an intelligent balance between sustainability, hygiene and affordability.

Adaptive control system for optimal resource consumption

Our adaptive control system "Smart Fill" enables you to significantly reduce water consumption, thereby also cutting down on cleaning solutions and energy. This innovative feature not only reduces operational costs – it's also good for the environment

New dosing algorithms and sensors

In order to ensure precise dosing of even the smallest quantities of highly concentrated chemicals, our engineers have improved our dosing algorithms and implemented new measurement technology. The result is even more accurate coordination between the consumption of water and chemicals, and thus consistent and reliable cleaning results with the lowest possible consumption values.

The fact that we have also been able to significantly reduce installation and calibration times is a highly attractive side effect.

Modular structure for forward-looking flexibility

Do you need more throughput or shorter cycles, or are you looking to implement full automation? The WD 290 IQ can also be adapted to meet future needs. Thanks to its modular design, your Belimed partner will have no trouble upgrading the washer-disinfector as needed. Our options offer planning security and anticipate the future of reprocessing needs, helping you to spread your investment costs intelligently over several years. This approach enables you to increase capacity for a fraction of the cost of a new investment.

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, operating time and water conductivity – in real time and from all Belimed equipment. This data is 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
Powered by Belimed

More intelligence for lower costs

Thanks to minimal consumption values, the WD 290 IQ is a real all-round saver, helping you to reduce your operational costs for water, chemicals and energy – and boosting sustainability into the bargain. The WD 290 IQ is without question the most cost-effective choice, from planning to disposal.

Less water

Water is the most important operating medium in washer-disinfectors, with fresh or DI water needed for four of the five process steps.

Our Smart Fill technology cuts water consumption by up to 50 liters per cycle.¹ Smart Fill automatically adapts fresh and DI water quantities according to load volumes and the process step, helping you to minimize costs for a significant item in your calculation.

Minimal consumption of cleaning solutions

When you use less water, you need less chemical, and this also results in significantly lower costs. Belimed Protect™ detergents are tailored to this effective balance.

DI water for multiple use

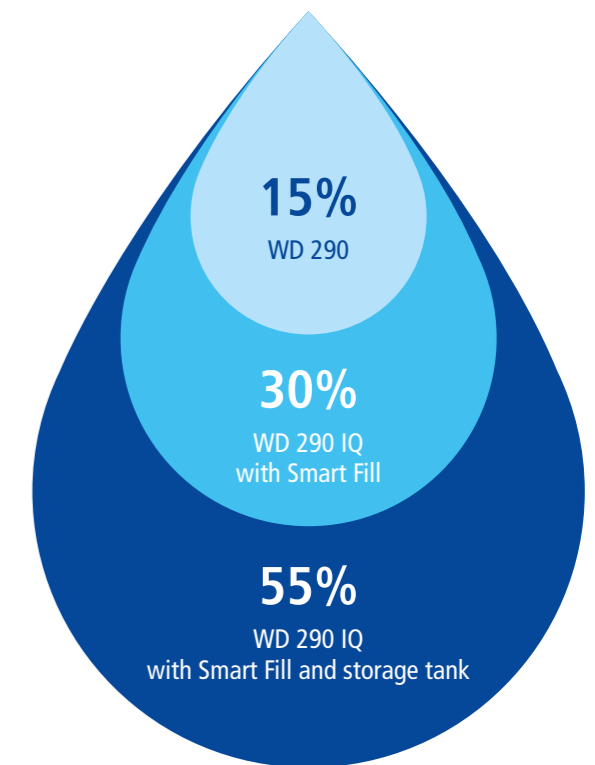
Clean and still "disinfected" DI water from thermal disinfection is stored in the process tank and can be used for rinsing during the next wash cycle, saving up to 40 liters of expensive DI water per cycle.

Exhaust air heat recovery

With the goal of ensuring a further reduction in energy consumption, the DI water is heated using hot exhaust air from the machine. At the same time, the incoming DI water cools the exhaust air, which in turn saves on cooling water. The systematic implementation of sustainable thinking makes investments pay off in no time.

¹ Compared with the predecessor model WD 290. Per cycle in the standard "Instruments" cycle.

Water savings



Intuitive use

The focus of the WD 290 IQ is on the user, with the straightforward operating concept and comprehensive control functions helping to ease the burden on your staff. Two large touchscreens and intelligent controls save valuable time, simplify CSSD processes and ensure seamless documentation.

Modern user guidance facilitates efficient and error-free processes

The WD 290 IQ incorporates tailor-made digital CSSD intelligence in a challenging working environment.

Two doors, two screens, singular efficiency

Loading and unloading place completely different demands on the operator, so we provide a separate touchscreen for the loading and unloading side. While you program the next cycle on the loading side, you can check the completed process when unloading. This not only saves on waiting times, but also offers you complete transparency throughout every process step.

Even simpler

Our user interface is even more intuitive. The intelligent navigation focuses on those menu items you currently need, ensuring a clear overview and providing added operating confidence.

Seamless documentation

Up to two million data points are generated per cycle, and the WD 290 IQ saves up to 1,000 cycles of data in the equipment. For accurate analysis and documentation, the IQ transfers this cycle data to your system through SmartHub or manual download via a USB interface.

Individual user management

Every CSSD employee sees precisely the tasks that are important for them, such as release management for program selection, cycle start and cycles. Various access levels can be selected for the operator, team leader, technician and validator, and authentication takes place via PIN code or cycle scan.

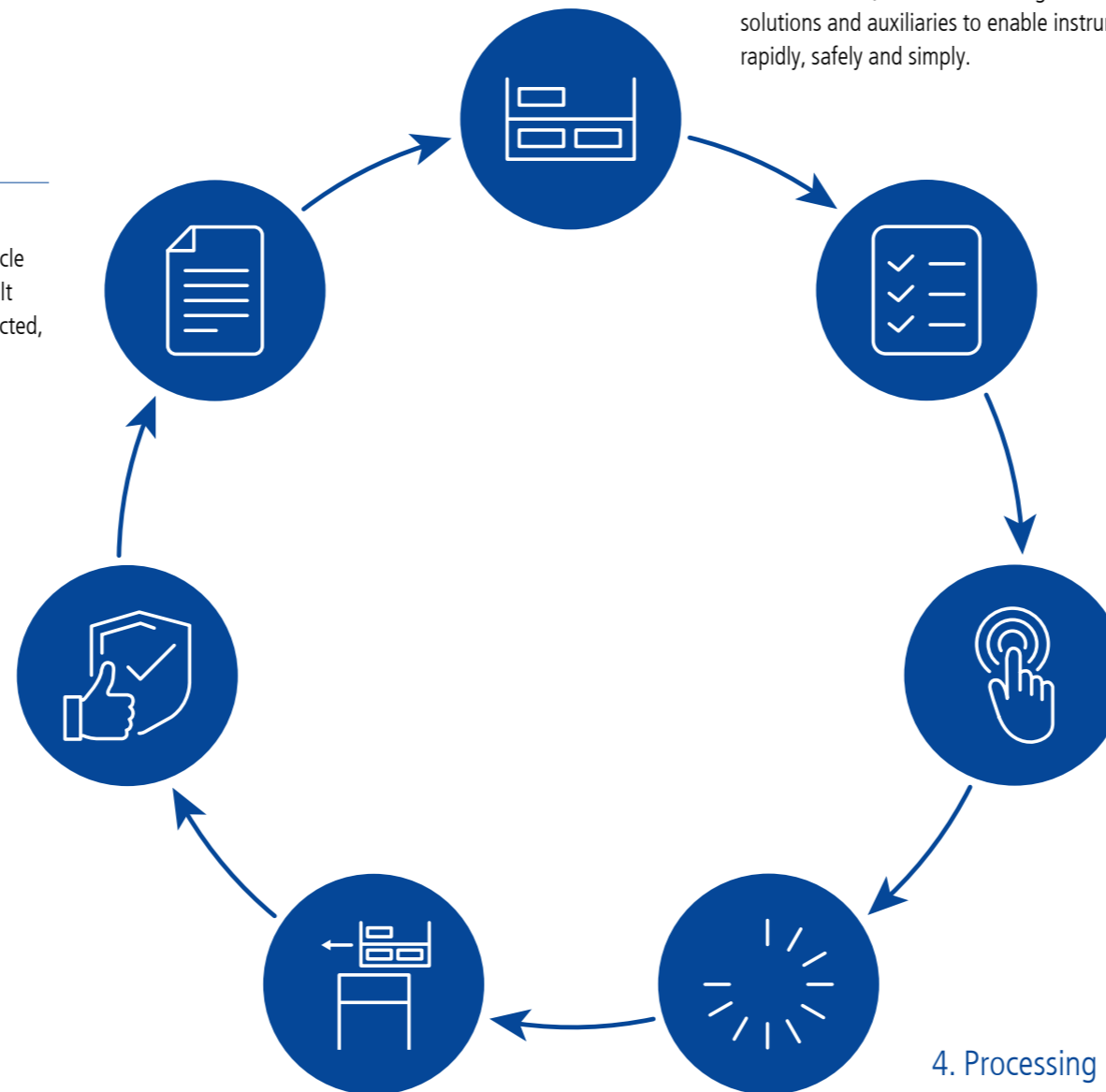
Complete traceability

Racks, trays and loading units can be entered manually or via a barcode scan for each cycle, or rack IDs can be entered via automatic RFID transfer.



Efficient and error-free throughout the process

From loading to release, all steps and processes in the WD 290 IQ follow seamlessly one from the other, ensuring consistent reprocessing results.



1. Loading

The right rack for every instrument
The WD 290 IQ offers a wide range of racks, trays, adaptive solutions and auxiliaries to enable instruments to be loaded rapidly, safely and simply.

2. Preparation

No idling – full utilization
You can conveniently prepare the next cycle while the current reprocessing cycle is still running, either manually or by using a scanner.

3. Start

No waiting on the loading side
As soon as a rack is placed at the door, loading, program selection and cycle start will be carried out automatically.

4. Processing

Information is always available
All process data is monitored continuously by the control-independent monitoring system and displayed on both screens.

Thanks to the patented status display and easy-to-read information on the screen, you can see the amount of time remaining in the current reprocessing cycle from a distance.

7. Documentation

Up to 1,000 cycles saved
Release documentation is saved with the cycle protocol, cycle number, loading information and any possible notes or fault reports for up to 1,000 cycles. This information can be selected, archived and analyzed conveniently using SmartHub.

6. Release

Fewer errors and increased safety
Once unloading is complete, the next reprocessing cycle can begin without delay. Release is carried out directly on the screen following visual inspection and cycle evaluation – independently of the current status of the washer-disinfector.

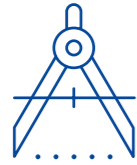
5. Unloading

Easing the burden on your staff
Belimed's automation solutions, SISO, WA 290 and WA 290 SO, reduce the operator's need to load and move around racks and trolleys, optimizing the utilization of the washers and the CSSD personnel.

This also helps to ease the physical burden on your staff by providing them with more time for other activities.

Belimed supplies systematic solutions

The washer-disinfector WD 290 IQ 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.



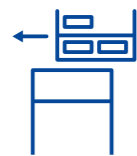
Belimed Academy

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 290 IQ in a nutshell

The WD 290 IQ is designed for optimal performance, easy use and minimal resource consumption, ensuring flawless, intelligent and efficient reprocessing of critical medical devices.

First-class cleaning performance

- Safe, rapid and efficient reprocessing
- Perfect hygienic results
- State-of-the-art dosing algorithms for the utmost precision and reliability, even with highly concentrated (viscous) chemicals
- Adaptive Smart Fill process control for minimal resource consumption and lower costs throughout the life cycle

Intuitive use

- Modern user guidance for efficient and error-free processes
- Two separately functioning high-resolution touchscreens for efficient operating processes

Modular and forward looking

- Designed for the future of the CSSD
- Designed for easy and quick upgrades, at any time
- Our options offer planning security and anticipate the future

Seamless connectivity

- Generation of up to two million data points provides valuable information
- Relevant data is recorded by SmartHub
- Digital system integration with Instrument Tracking Systems
- Easy to use dashboard, displayed on a large monitor

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