

LC Series

Cart, Bed Washer-Disinfectors



Steelco

Miele Group Member

Global Manufacturer and Supplier for Cleaning and Sterilization Solutions

Born from Steelco and Belimed, SteelcoBelimed pioneers sterile workflow solutions with innovation, reliability, and customer focus. “Innovate with confidence” defines our commitment to high-quality products and services, setting new industry standards in Infection Control and Life Science.

Customer Centricity

Our commitment to fully understand customers' needs and satisfaction is prioritized. Our products and services are designed to meet those specific needs, ensuring every decision we make benefits our customers for the best results.

Innovation

Our dedication to progress drives us to constantly seek out and embrace new ideas, technologies and methods. This commitment ensures our products and services continually evolve and improve.

Sustainability

Our planet, our responsibility. At SteelcoBelimed, sustainability is embedded in everything we do: from optimizing production processes and reducing energy consumption to creating products that support environmental stewardship. For us, protecting the future means acting today. With integrity, purpose, and a deep respect for people and the planet.



Reliability

Our commitment is to achieve the highest levels of productivity through the optimisation of processes, resources, and operations. By consistently delivering dependable solutions, we ensure value creation while minimizing inefficiencies. Our objective is to establish enduring relationships founded on trust, integrity, and mutual respect by reliably fulfilling our commitments.

LC Series

Cart, Bed Washer-Disinfectors

SteelcoBelimed offers versatile solutions for disinfection in CSSDs. Choose between thermal and chemical disinfection of different medical devices and equipment. Thanks to chamber customization options, automation, and full traceability, our devices offer versatility, safety, performance, and environmental sustainability with low total cost of ownership.



LC 20

Glass hinged door/s - 1800 mm width, capacity of up to nr. 16 full size sterile containers



LC 80

Stainless steel or glass sliding door/s - 2500 mm width, capacity of up to nr. 36 full size sterile containers



LC 80 BOT

Stainless steel or glass sliding door/s - 2900 mm width, capacity of up to nr. 36 full size sterile containers or 1 bed frame

Flexibility

Tailor-Made to Your Needs

Our wide range of models and configurations ensures the perfect solution for every customer need. From cart washers designed for hospitals—ideal for cleaning and disinfecting trolleys, beds, and containers—to barrier systems for CSSDs that maintain strict separation between dirty and clean areas. Each machine combines ergonomic design, user-friendly operation, and high efficiency, while minimizing environmental impact and guaranteeing the highest hygiene standards.

Transport Trolleys

The trolley washer disinfectors is typically used in hospitals to clean and disinfect carts transporting surgical sets to and from the sterilization department. Productivity can be enhanced by selecting appropriate load capacity, disinfection method (thermal or chemical), and efficiency options, while considering environmental impact.

Sterile Containers

Our cart washers are ideal for use alongside instrument washers, especially when sterilisation containers are involved. Their compact footprint suits packaging areas well. Compared to instrument washers, they use up to 4 times less water, chemicals, and energy per container, making them both cost-effective and eco-friendly.

Bulky Loads

LC 80 BOT is a high-capacity cart washer-disinfector, specially designed to reprocess bulky items such as bed frames and operating tables. It is available in different configurations, i.e. thermal disinfection, chemical disinfection, or both (hybrid).



Washing Technology for Total Coverage



1 The 3D washing system, spraying water from four sides - bottom and top included - allows for a total load coverage with a variable spray pattern.

2 Single or double telescopic manifolds automatically connect specific trolleys to the hydraulic washing system of the machine for ultimate washing quality.

3 Sliding door

4 Emergency door opening.

5 Safety block for proper positioning of the washing cart.

6 Double stage water filtration system to prevent recirculation of debris. The finest mesh filter is automatically counter flushed for self cleaning and to maintain optimal washing efficacy.

7 Adjustable rails are available to match Steelco or customers' trolleys.

8 Hydraulic circuit, programmable to flush machine floor and sump.

9 Reduced sump depth for easier integration/compatibility with installation site pit.

Picture: washing chamber of LC 80/3 with direct coupling of washing trolleys

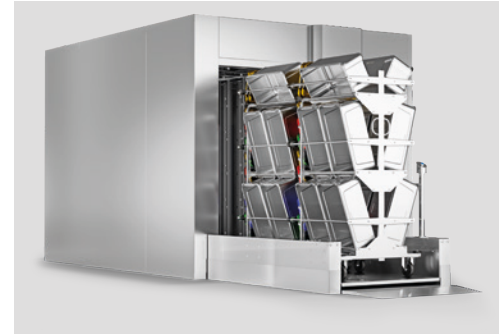


Experts in Automation

Time- and Space-Saving Solutions

Ask our experts to find the right automation option matching your needs, maximizing ergonomics, reliability, operator safety, and cost balance. Automation can also be chosen to optimize space usage inside reprocessing departments.

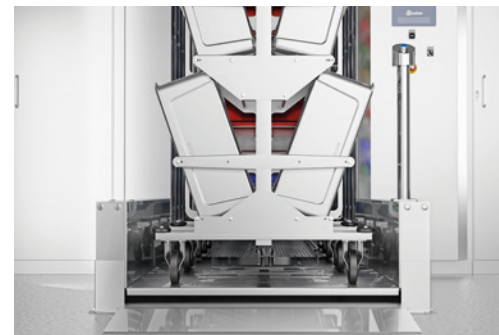
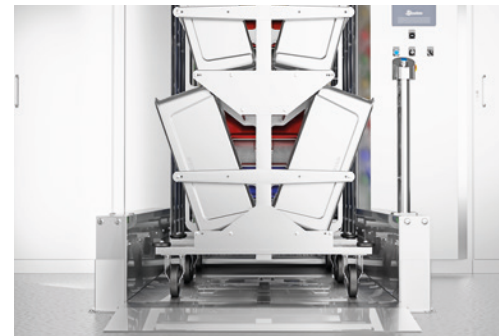
Adopting automation, although increasing initial capital investment, reduces operating costs and saves resources in the long term.



Lifting Platform

The solution for pit-less or reduced-pit-depth installations.

Lifting platforms reduce the risks connected to handling heavy trolleys on inclined loading ramps.



Productivity & Automation

Loading, Unloading Solutions

Customized automatic loading/unloading solutions for trolley washer disinfectors. Multiple solutions are available using conveyors, conveyor belts, or hooks.

Chain-Based Conveying System



Push/Pull Conveying System



Conveying System on Rollers



Efficiency & Sustainability

Focus on Consumption

Higher efficiency at low operating costs. Our cart washers feature efficient hydraulic systems and dynamic water loading, adapting to the load and cycle phases to help customers keep water and energy levels low.



Water-Recycling Kits



In compliance with regulations and according to the defined washing/disinfection process, it is possible to reuse - totally or partially - higher-quality water for subsequent cycle phases. The LC range allows for maximum flexibility in water recovery.

Steam Condenser for Water Saving and Heat Recovery



The steam released during the hottest phases of the treatment cycle (mainly thermal disinfection and drying) is an excellent source for energy and water recovery. The LC Series includes systems for the connection to closed water circuits with zero water consumption or allows to exchange heat with water feeding the pre-heating tanks.

Every Drop Counts



The annual water consumption of a CSSD of a typical university hospital with 2 units of high-capacity cart washers - for closed carts and for sterile containers - without water recovery system can be as high as 3,650,000 l/year.*

Our ECO options can reduce consumption over one-third**.

Drying Duration Controlled by Humidity Sensor



Goods' dryness heavily depends on the type and volume of load. Therefore, controlling the duration of the drying phase through a humidity sensor ensures the exact time and energy needed for the desired result.

Flexible Configuration

LC cart washers are available in different configurations for heating washing water and drying air:

- Indirect steam heating and electrically heated drying (type "VEV")
- Fully indirect steam heating (type "VVV")
- Fully electrical heating (type "EEE")
- Combined indirect steam heating with electrical heating; to activate as back-up solution in case of temporary lack of steam (type "MEM").

* 15 cycles per day, 6 days a week, 52 weeks a year - ** Water savings were quoted compared to our standard devices, not other companies'. Only actual consumption figures for specific cycles with and without utility saving packages provide a realistic comparison.

Efficiency & Performance

Focus on Speed

Unrivaled performance. Faster reprocessing cycles, lower energy and water consumption, and the best operating costs in its class.



Fast Cycle Configuration

When seeking faster reprocessing cycles, optimized machine configuration using additional water preheating tanks and “smart hydraulic circuits” helps achieve a reduction of overall cycle time.

Smart Hydraulic Circuit

Waiting to feed the chamber sump to start the cycle is no longer necessary. “Smart hydraulic circuit” allows for a quicker and more efficient process, reducing the cycle time.

As Fast as You Need It

Enhanced or reduced-power versions are available for LC 80 and LC 80 BOT models to adapt them to the maximum installed power available on site.

Enhanced-Power Drying System

When the type of goods to dry and/or the productivity demand ask for enhanced performance, it's possible to increase LC 80 drying capacity.

Flexible Disinfection Cycles

By choosing the Hybrid configuration of LC 80, it is possible to run thermal or chemical disinfection cycles - according to the load to be re-processed - by simply selecting the appropriate cycle.

Flexibility & Control

Machine Control Panel

A well-designed human-machine interface makes all the difference. Large touchscreens put users at the center—streamlining workflows, reducing workload, and saving valuable time. The interface adapts to your needs in real time, ensuring a clear overview and confident operation.

User-Friendly Interface

Operators are supported in every step of their interaction with the device through clear and easy-to-understand commands. Cycle programs can also be selected via barcode or RFID scanner.

The large 7" (or 10") touch-screen control panel displays cycle status and alarm messages, facilitating device control with bright and easy-to-read information.

Increased Productivity

The trolley washer features a “sleep mode” functionality to reduce idling energy consumption, and a “programmed start” to be ready for the first cycle of the day at the opening time of the CSSD or ward.

Washing Performance

The HMI displays washing pressure and water conductivity parameters during relevant process phases, including final rinse quality check.

Cycle Data Storage

Cycle data is stored and available from the optional integrated printer. If the device is connected to the network, data can be sent to a centralized traceability system.

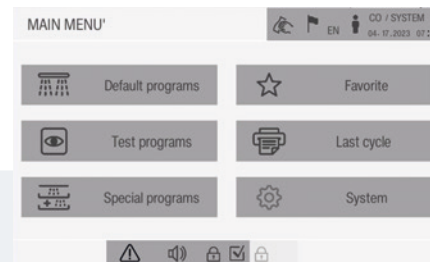
User Access Levels

User access is split into 5 levels to ensure that only trained staff have access to specific functions: operator, department manager, service technician at the customer’s site, authorized service technician, and manufacturer.

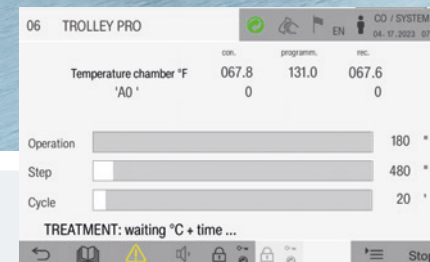
Thanks to the HMI’s intuitive design, in line with the whole Steelco-branded portfolio of devices, operations are easy and processes are safe.

Synoptic HMI Mode

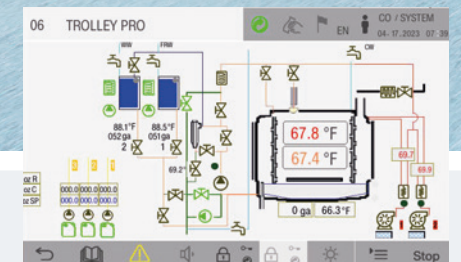
The trolley washer is designed to streamline maintenance. An easy-to-read synoptic panel allows for an in-depth overview of device and component status.



Clear and easy-to-understand main menu



Highly-visible cycle status and alarm messages



Easy-to-read synoptic panel

Digitalization Solutions

Management and Tracking Software

Our digital solutions ensure instruments are available at the right time in the right place, reprocessed according to the correct standard, in the shortest possible time, and at the lowest possible cost.

SmartHub Connect

SmartHub Connect is an on-premise software solution that collects data from compatible equipment and delivers it to an Instrument Tracking System.

Users gain full transparency with a visual dashboard that displays the status of programs and cycles for each connected machine.

SmartHub Connect's dashboard is a powerful tool for streamlined CSSD management.

SmartHub Flow

SmartHub Flow is our web-based and cloud-ready software for tracking sets and instrument localization.

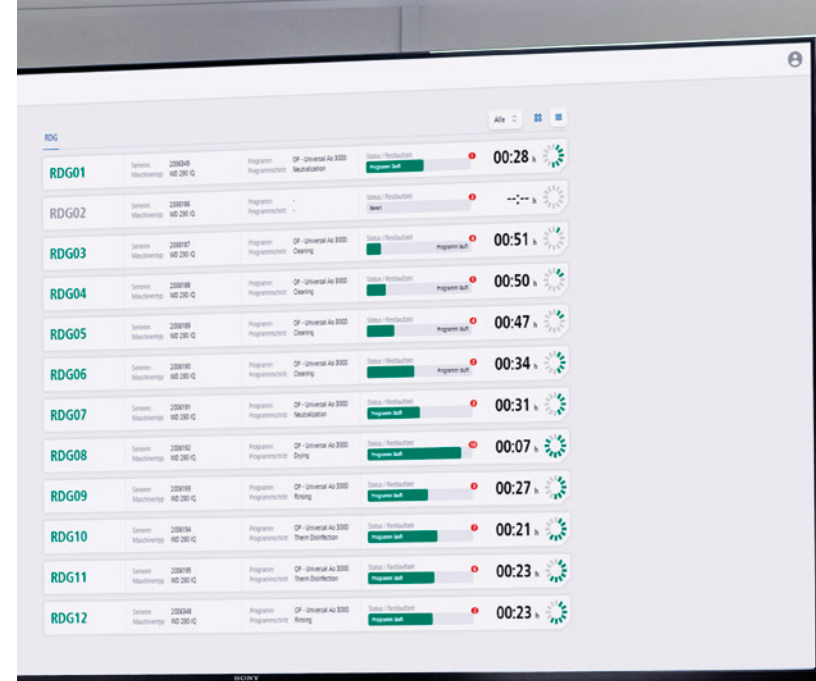
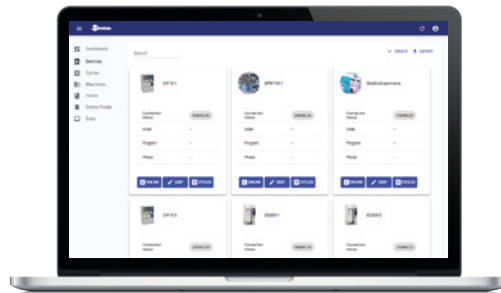
Designed to address the growing complexity of your CSSD, the software provides an accurate and secure monitoring tool allowing you to progressively refine your workflow and maintain high-productivity standards.

The collected information about the production, shipment, and warehouse handlings helps to precisely quantify and analyze production expenditure, improving cost-efficiency. The software is compliant to the international security standards, i.e. ISO 27001, ISO 13485.

SmartHub Orbit

SmartHub Orbit is our innovative web-based application that transforms machine data into actionable insights and added value. All relevant equipment data and cycle statuses are accessible from any device, anywhere, at any time.

This gives CSSD managers full control and revolutionizes their way of working. SmartHub is designed to support the entire CSSD team with continuously evolving features and updates, such as e-learning, troubleshooting, process digitalization, and advanced analytics.



Washing Trolleys

Customizable Solutions

The LC cart washers' range offers customers a wide choice of dedicated washing trolleys for sterile containers, OP rubber shoes, washing bowls, large bins and other bulky items. Built to maximize capacity, they are designed for a flexible use.

Specific Trolleys for Different Loads

To optimize and ensure proper cleaning and decontamination results, we can develop customized washing trolleys for specific applications.



Operating Theatre Shoes and Clogs



Carboys and bottles



Mattresses



Commode chairs



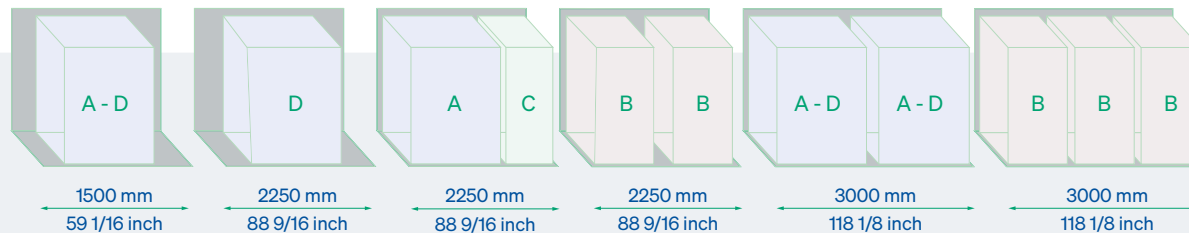
Wheelchair



Hospital containers



Loading trolleys size



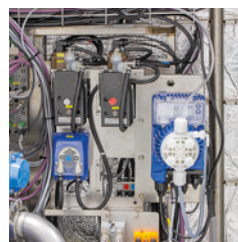
Each trolley is identified with a dimensional class to maximize washer productivity and minimize energy and water consumption.

Components

Details to Make the Difference

The LC series is designed to optimize the footprint/capacity ratio. The service area is lit and easy to access. Maintenance is streamlined, highly simplified, and cost effective. Components are all easy to access and regular maintenance can be performed rapidly, thus enhancing up-time.

The chamber floor has easily removable panels to facilitate regular maintenance.



Top Quality Materials, Devices Made to Last

The washing chamber and all critical components involved in the washing process are made of high-quality AISI 316 L stainless steel, a guarantee for cleanliness, reliability, and long life expectancy.

Water Filtration for a Reliable Washing Performance

The double-stage filtering system has an easily accessible first-stage filter at chamber floor level and a second, fine-mesh self-cleaning filter - in the technical area - protecting spray nozzles from potential clogging.

Chemicals Storage and Dosing Pumps

Up to 4 chemical dosing pumps (5 on the hybrid version) provide sufficient flexibility for load-specific washing processes. In addition, maintenance-free chemical dosing pumps are also available. Chemicals are stored in a dedicated easy-to-access compartment in the technical area of the unit (up to five 10-liter tanks).

Service Made Easy

Service is made easy by the position and arrangement of all electrical, hydraulic, and pneumatic components. In addition, most of the electrical connections are with IO link sockets, better supporting the service technician in troubleshooting possible malfunctions.

Planning & Design

the Best Solution for Every Need

Planning & Design Expertise

For decades, our Planning and Design team has been a trusted provider of data-driven planning and design solutions for the hospital design and layout.

Our expertise extends to hospitals, CSSD service providers, technical designers, architects, and equipment planners.

We excel in overseeing the entire design process, which encompasses comprehensive hospital floor plan layouts, three dimensional visualization techniques and advanced simulation modeling.

Example Project



Decontamination Area



Preparation and Packaging



Preparation and Packaging



Sterilization Area

Capacity & Dimensions

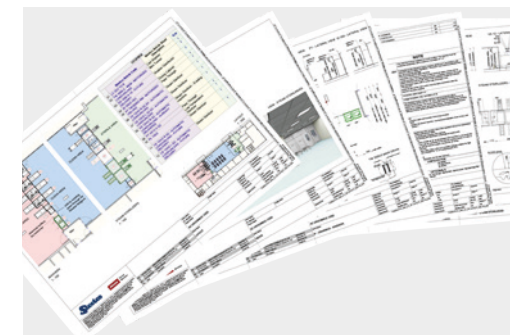
Configurations

Chamber Dimensions				Overall Dimensions		
Model	Height	Depth	Width	Height	Depth	Width
LC 20	1850 mm	1500 mm	900 mm	2460 mm	1658 mm	1800 mm

Chamber Dimensions				Overall Dimensions		
Model	Height	Depth	Width	Height	Depth	Width
LC 80/2	1890 mm	2250 mm	1000 mm	2410 mm	2550 mm	2500 mm
LC 80/3	1890 mm	3000 mm	1000 mm	2410 mm	3300 mm	2500 mm
LC 80/2 BOT	1890 mm	2250 mm	1200 mm	2410 mm	2550 mm	2900 mm
LC 80/3 BOT	1890 mm	3000 mm	1200 mm	2410 mm	3300 mm	2900 mm

The device can be installed on the floor with small ramps, or into a pit for floor level loading. - Steelco cart washers have a modular design, enabling access through existing buildings. Some configurations may affect overall dimensions.

Thanks to its wide range of devices and solutions, SteelcoBelimed can offer the optimal solution to the most challenging applications by appropriately combining washers, sterilizers, furniture, and automation equipment.



Maximized performance with SteelcoBelimed's experts

Service Plans

Prevention is better than cure. Our tailored service plans ensure maximum equipment uptime through customized preventive maintenance based on machine usage. Whether you rely on in-house technicians or our expert team, different solutions may include scheduled preventive maintenance visits, repairs and parts, depending on the options chosen. Optional enhancements, such as chamber cleaning and water quality monitoring, help optimize performance and control costs – keeping your operations running smoothly and efficiently. Ask your local SteelcoBelimed representative for the range of services offered in your area.

SteelcoBelimed Academy

The SteelcoBelimed Academy offers a diverse range of training options tailored to the specific needs of CSSD professionals. The state-of-the-art training facility in Riese, Italy, serves SteelcoBelimed divisions Infection Control, Laboratory, and Biomedical Research (BMR) with an impressive capacity to train up to 1,100 service technicians annually. The Academy represents our commitment to advancing the entire field of sterile processing. Healthcare professionals who train here will gain insights that go beyond equipment operation to encompass the science of infection control and the optimization of sterile processing workflows. This knowledge translates directly to improved patient safety and operational efficiency in their facilities.

Total Cost of Ownership (TCO) Contracts

Our TCO contracts offer a multi-year, fixed-cost service solution that ensures budget stability and long-term value. By locking in rates and minimizing exposure to rising costs, these contracts provide clear financial planning. Ideal for extending the life of your equipment, these all-inclusive packages reduce operating costs, protect investments and support sustainability goals over the entire equipment lifecycle.

Digitalization in Service Operations

Our digital solutions provide access to real-time equipment data, helping service teams monitor performance and more quickly identify any potential issues. Clear dashboards and automated alerts allow maintenance to become more predictive and efficient. These tools support better planning, reduce unexpected downtime and simplify compliance. By integrating digital workflows into service routines, facilities can improve reliability and make more informed decisions based on actual usage and performance trends.

SteelcoBelimed  Group Member

Innovate with confidence

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Products offered for sale may differ from those described or illustrated in this brochure due to later production changes or/and optional configurations. The products and technical specifications are subject to change without prior notice. Please contact your Steelco dealer for the latest information.

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* Refers only to the products listed in certificate 909/MDD