Steelco

Washer Disinfectors for CSSDs

systems and automation

Miele Group Member

Customization. Innovation. Excellence.

Driven by customer needs

Steelco is a leading infection control solution provider, supplying the healthcare, laboratory research and pharma sectors. Active in over 100 countries, Steelco has equipped numerous world renowned hospitals and counts among its customers household names in the laboratory, pharmaceutical and industrial sectors.

Driven by customer feedback, Steelco develops, manufactures and supplies solutions that maximize infection control, safety, optimize processes and minimize costs. Already a leader in innovation in areas such as automation, the integration within the Miele organization has provided additional boost in technological development.

Steelco provides technical service and user training courses at the Steelco Academy as well as at customer sites.
Our optional remote diagnostics capabilities and worldwide team of factory trained engineers ensure that you receive the service support you need to cost effectively maximize the uptime of your equipment.

Steelco

Miele Group Member

Washer disinfectors for CSSDs

Steelco has developed a complete range of medical devices for cleaning, washing, and disinfecting equipment. All models in the range share the same washing and transport carts as well as loading automation.

Steelco can therefore offer fully flexible solutions to achieve desired productivity, even with pre-existing architectural constraints.

1100 mm

DS 1000

900 mm

DS 1000N

No. of chambers: 1
single or double sliding door(s); capacity up to 18 DIN trays

1150 mm

TW 3000/2

No. of chambers: 2
sliding doors; capacity up to 18 DIN trays per chamber

1900-2100 mm

TW 3000 Multichamber

No. of chambers: from 3 to 5
sliding doors; capacity up to 18 DIN trays per chamber

1250 mm

US 1000 Ultrasonic Unit

No. of chambers: 1
single or double sliding door(s); capacity up to 18 DIN trays

Steelco "washing system" much more than isolated devices

The "core"

Steelco washer disinfectors in this brochure are designed around a range of cross-compatible "core" elements: wash carts, loading carts, automations, and robotics.

A wide variety of loading solutions and accessories meets the needs of all surgical disciplines whilst optimizing workflow.

Optimized Process Speed

Steelco offers class-leading capacity and throughput.
Fast cycles are achieved through hydraulic efficiency, tanks with preheating functions, and dedicated drying chambers.

Eco Friendly Efficiency

Attention is focused on the reduction of water, energy, and detergent consumption as well as overall operating costs. Device configurations include water recovery systems, control of drying performance, and limitation of electricity usage.

Layout Optimization Solutions

A key benefit of Steelco "washing system" is its versatility in fitting different layout, productivity, automation, and architectural requirements.

Process Quality Focus

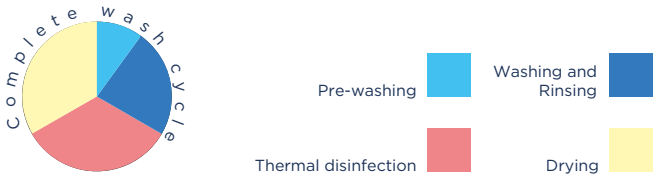
Solutions are developed considering all factors affecting the quality of the process, including washing and high-level disinfection performance, loading accessories' design, and chemical characteristics.

Operators have access - through the HMI, optical printer, and traceability systems - to cycle data and equipment performance.

Multiple Loading Options

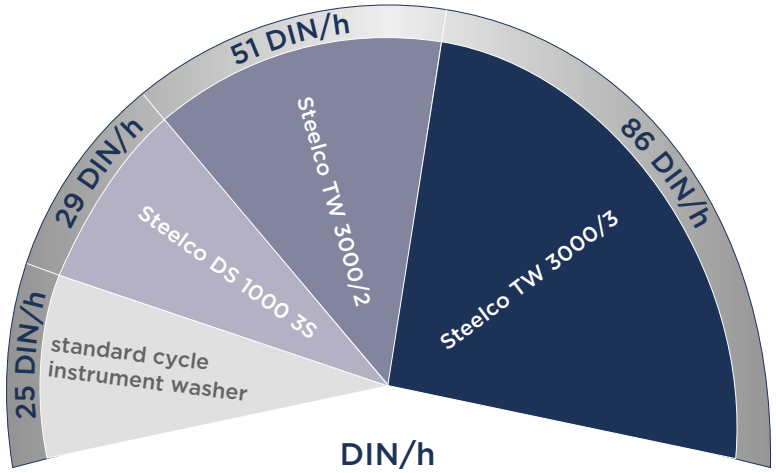
Accessories to load and unload Steelco washer disinfectors, whether manual or automatic, are designed to be extremely functional and ergonomic.

Efficiency & Performance
a winning combination



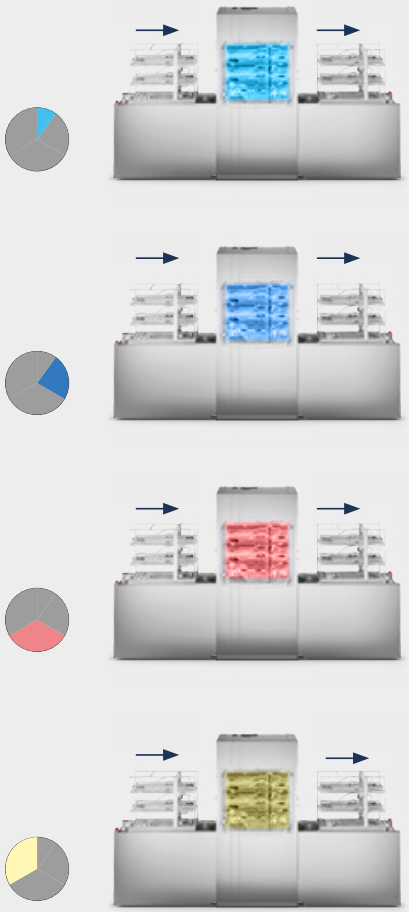
State-of-the-art performance washer disinfectors for sterilisation plants

Steelco devices offer multiple solutions and configurations. Thanks to the TW multichamber systems it is possible to reprocess up to 86 DIN/h.



High capacity washer disinfectors

All washing, disinfecting, and drying phases occur in the same chamber, sequentially.

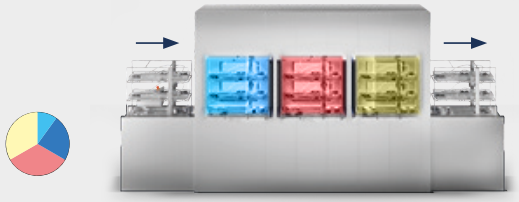


2-chamber washer disinfectors

The first chamber performs the washing and thermodisinfection steps while another load is drying in the second chamber.

3- (or more) chamber washer disinfectors

The first chamber is for pre-washing and washing phases; the second chamber is used for thermal disinfection, and the last chamber dries the load. The system can be expanded by adding additional chambers and can integrate an ultrasonic washing device.



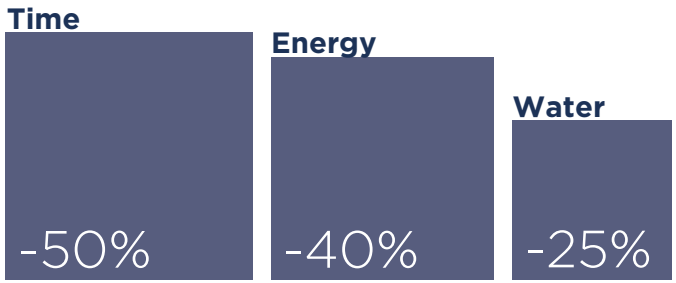
Performance & Sustainability
a winning combination

Eco Friendly Efficiency

Optimized Process Speed

The Fast Cycle concept

Fast Cycle configurations are Steelco's answer to the growing demand for combining high-quality washing and drying results with energy efficiency and significantly reduced cycle times. Results are never compromised.



Compared to the standard configuration of the same washer disinfector.

Pre-heat and reuse water

Time saving - thanks to a significant reduction in time for filling the wash sump and reaching the required temperature of the cycle stages. The water heating time of the final thermal-disinfection stage can be reduced by up to 80% thanks to preheating tanks.

Water saving - Water savings can exceed 25% through the recovery of thermal-disinfection water and its reuse during the next load's processing.

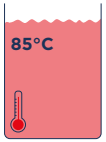
Energy saving - by recovering heat from hot water.

Unrivaled efficiency levels

Energy savings can be achieved by recovering the heat released from the washer disinfector's ventilation system through the adoption of a steam condenser with heat recovery. The system uses cold demineralized water at the condenser inlet to condense exhaust vapors, lowering the vapor at the outlet and recovering valuable thermal energy.

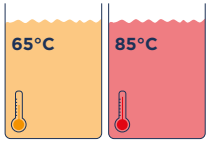
Energy savings can also be achieved by optimizing the drying phase thanks to a humidity sensor and setting a predetermined humidity level target in the chamber.
This function allows the drying phase to be terminated when optimal results are achieved, even before the programmed end of the cycle. Early interruption stops both ventilation and heating and releases the load without additional energy waste.

Configuration options



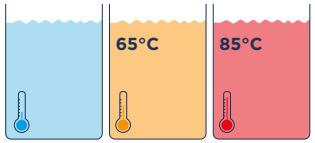
One tank

A single tank is typically dedicated to preheating demineralized water up to 85°C used for the thermal disinfection step.



Two tanks

The addition of a second pre-heating tank allows a further reduction in cycle time and opens the possibility for the recovery of thermal disinfection water, which can be used for the subsequent washing or rinsing stages.



Three tanks

With the third tank, allow cycle time reduction, by using it as a pre heating tank for intermediate rinse or as a cold water for pre-wash phase.

DS 1000 - DS 1000 N

Single chamber washer disinfector

DS 1000 is the single-chamber model in Steelco's range of thermal disinfectors for CSSDs. It can be configured in multiple variants: the standard configuration features a control panel on the side of the machine. The narrow-frame configuration, with a PLC above the door(s), makes it possible to install a higher number of devices in the same available barrier space.

Both configurations can be equipped with standard or rapid cycle - 1S, 2S or 3S - versions with electric, steam or mixed heating elements. The mixed-heating configuration enables the switch over from steam to electrical powered washing and drying in the event of steam supply issues.

DS 1000 can be equipped with time, water, and energy saving options as described in the previous pages.

The entire washing chamber and its parts are made of chemical-resistant AISI 316L stainless steel.
Internal corners are rounded to prevent soil accumulation and possible bacterial growth.

Process control

Washer disinfector and cycle status are indicated by the color change of chamber lighting.

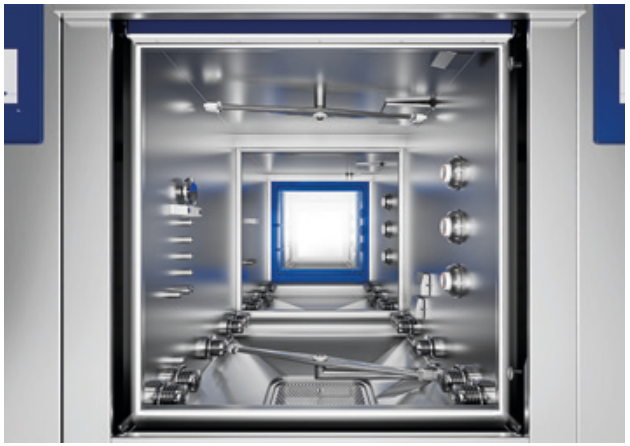
TW 3000/2 "Smart Tunnel"

Double chamber washer disinfector

TW 3000/2 is a fully automatic double chamber washer disinfector with a high production capacity and small footprint.

It performs washing/thermal-disinfection in the first chamber and forced-hot-air drying in the second. Thanks to its multiple chambers, the TW 3000/2 achieves an exceptional quality very quickly.

In TW 3000/2, each load, i.e. each single wash cart, is treated according to the program assigned by the operator - or automatically recognised by the unit - in a totally independent manner from the previous or next load. This process avoids accumulation in the soiled area in which similar loads usually wait for the next reprocessing phase.



The second chamber, exclusively dedicated to drying, increases the performance and reduces cycle time.

High productivity is best when combined with automatic, fully motorized loading/unloading systems.

Fully inspectable washing arms

Steelco AISI 316L spray arms can be easily inspected thanks to the opening system located at the ends of the arms.

TW 3000/3 /4

Multichamber washer disinfector

TW 3000 is a fully automatic multi-chamber tunnel washer disinfector designed to meet the needs of facilities that reprocess large quantities of medical devices. Its independent chambers improve productivity by running multiple cycles simultaneously.

The modular system can be configured with 3, 4, or 5 chambers by combining modules dedicated to the functions of prewash, ultrasonic wash, wash, rinse, thermal disinfection, and drying according to specific CSSD needs.

TW 3000's high productivity makes it advantageous to combine it with automatic loading/unloading systems and has been designed to be compatible with Steelco's ATS and M-ATS systems.

Loading in the chamber is fully motorized and automated.
All doors, including the chamber separation doors, are automatically operated.
Maintenance accessibility is easy from the side of the device with the technical area on the right or left side of the chambers.

A perfectly matching control system

Steelco's multi-chamber washing system achieves high productivity levels and releases a fully reprocessed load in just 15/16 minutes. With these levels of productivity, monitoring the whole process is equally important.

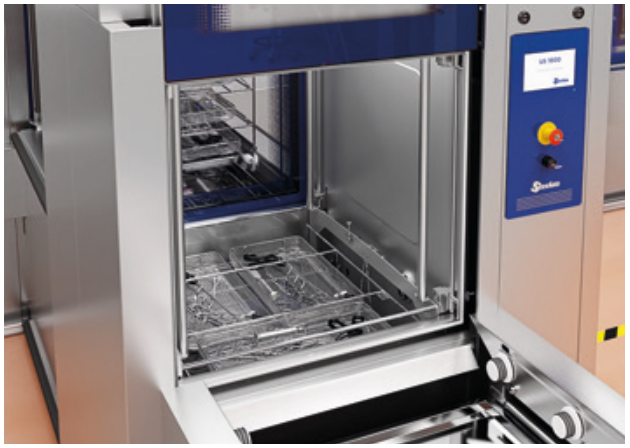
TW 3000 has a large informative and intuitive control panel.

US 1000

High-capacity ultrasonic washer

US 1000 has been designed to meet the ultrasonic treatment needs of large quantities of instruments. It is available in single or double door version, where it can be integrated into an automatic "washing system" to serve different washer disinfectors. It is compatible with the same loading wash carts of other Steelco washing systems and has a capacity of up to 18 DIN 1/1 baskets.

US 1000 can be used as the first cleaning station in front of a washer-disinfector barrier, or as the second treatment device between a cold prewash system and a washer disinfector barrier.



US 1000 runs programmable thermal self-disinfection cycles to disinfect its washing chamber during machine idle times.
Loading of the wash cart inside the device is completely automated and motorized.

Reduced manual pre-treatment of instruments

Based on internal procedures, the ultrasonic cleaning unit can be used as an alternative support to manual cleaning. In fact, US 1000 is able to deeply clean even the most complex shapes.

Flexibility & Control
coming together

Flexibility, Control & Connectivity

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

Increased productivity
The 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.

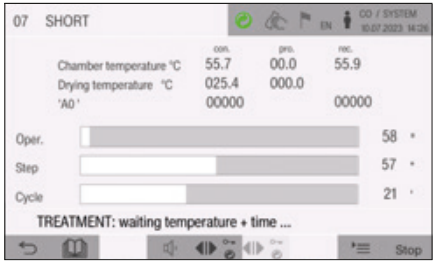
Washing performance
The HMI displays washing pressure and water conductivity parameters during relevant process phases, including final rinse quality check.

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 portfolio of devices, operations are easy and processes are safe.

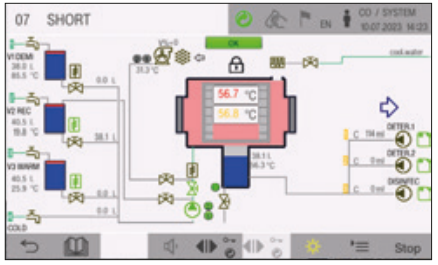
Technical service information
The instrument washer is designed to simplify maintenance. An easy-to-read synoptic panel provides an overview of the machine and active components, speeding up technical service interventions.

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

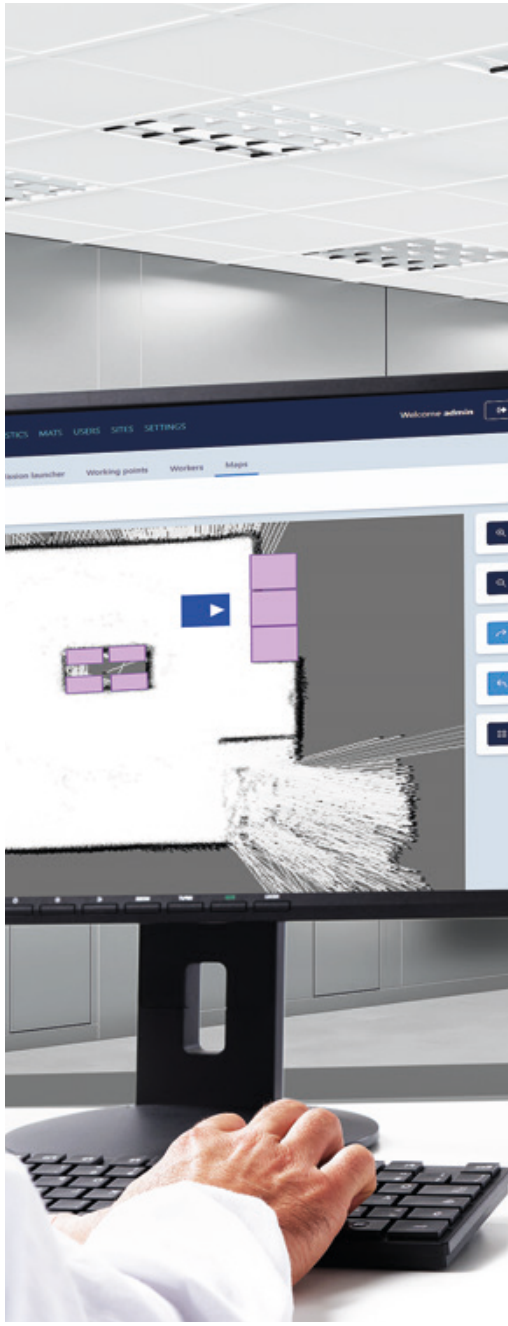
Clear and easy to understand main menu



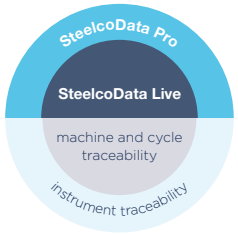
Highly visible cycle status and alarm messages.



Easy-to-read synoptic panel



SteelcoData Live & Pro
management & traceability system



To ensure the availability of the right instruments in the right place at the right time, consistently reprocessed to the correct standard in the minimum amount of time and at the lowest cost.

SteelcoData Live

It is a web-based software allowing to see real-time machine performance, cycle data, and alarms with historic records. When available from the device, utility consumption is also stored. Information is traced and efficiently visualized for device monitoring and data management with different authorisation levels.

SteelcoData Live is also the link between Steelco devices and instrument traceability systems such as SteelcoData Pro.

SteelcoData Pro

It allows to track sets as well as individual instruments from their point of use in the OR through each stage of reprocessing, transportation, and storage until they are ready to be used again.

Software features:

+ Respects HL7 standard
+ Reliable information and data entirety
+ Traceability and backward traceability of user activities and material handling
+ Full coverage of activities in the CSSD
+ Real-time analysis
+ Efficiency improvement tools
+ Procedure automation, no unnecessary steps
+ Workstations can only display activities in the specific user's area of competence
+ Effective information sharing with customers
+ Integrable with other client software systems

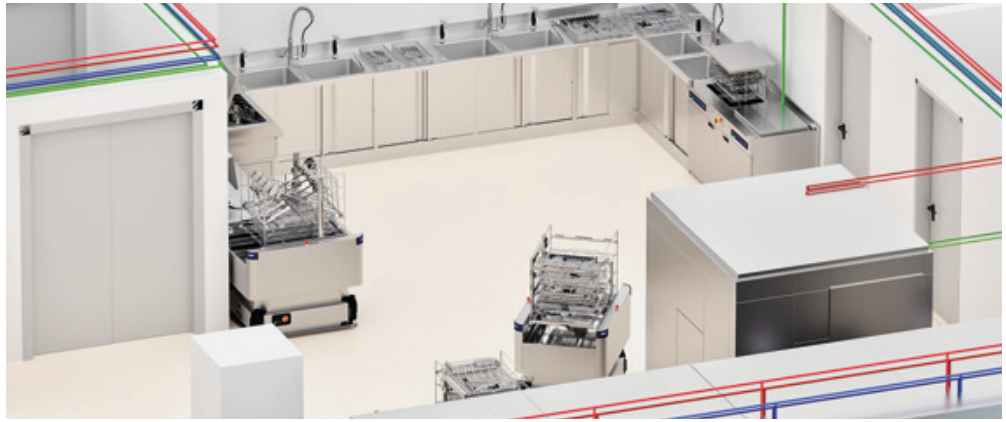
Flexibility & Specialization a winning combination

Layout Optimization Solutions

The combination of washer disinfectors and automation solutions creates unrivalled flexibility for productivity, safety, and ergonomics whilst respecting architectural constraints.

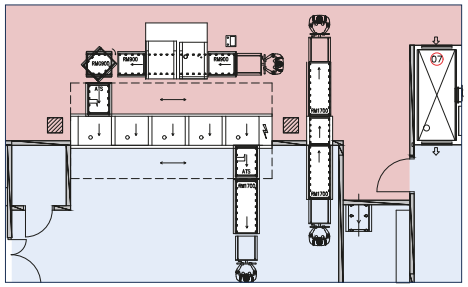
ATS - Automatic Transfer System

This automatic system consists of shuttles that move along the washing barrier and are fed by conveyor/storage systems. It can be used in both soiled and clean areas and allows for autonomous handling and distribution of wash carts, thus optimizing reprocessing time and allowing operators to undertake other tasks.



M-ATS - Self-Driving Robot Transfer System

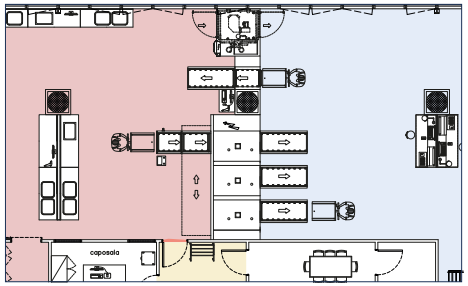
The logical evolution of the ATS system: a self-driving vehicle that is responsible for managing the logistics of wash carts by not limiting itself to the loading/unloading of the washer disinfectors.



Limited-depth washing barrier

The most common layout of a washer barrier is with a large width. System expansion can be critical if not originally planned.

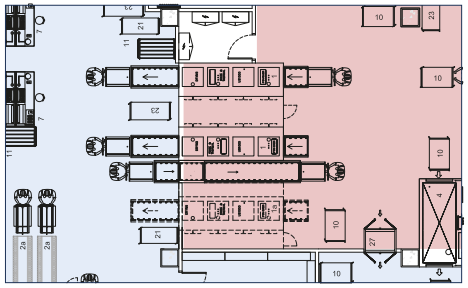
This layout shows how productivity and flexibility of use can be increased by adopting a prewash or ultrasonic treatment unit. ATS system and the 90° arrangement of the loading point limit the footprint to a minimum.



Limited-width washing barrier

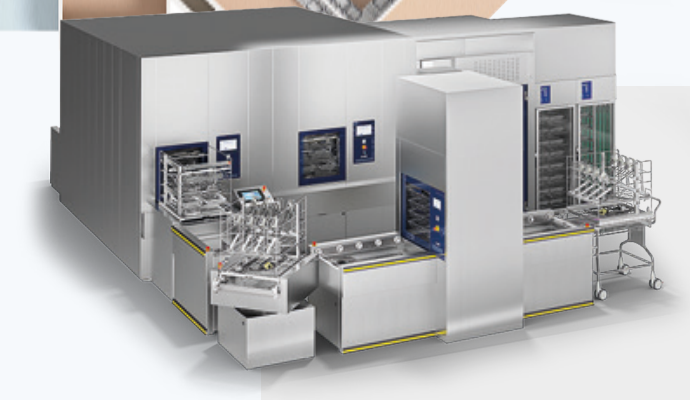
When CSSDs have a narrow barrier width available, high productivity can be achieved with multi-chamber solutions such as TW 3000/2.

High productivity benefits from the combination with ATS and M-ATS shuttles and loading/unloading conveyors.



High-capacity, limited-width washing barrier

Multi-chamber tunnel washers enables to increase productivity and flexibility. This is possible, for example, by integrating an ultrasonic washer in the second chamber of the tunnel washer. In this case, the width of the washing barrier remains limited in relation to production capacity.



Specialization and combination of devices

Steelco washing barrier is more than a group of individual devices installed side by side.
This image displays a washing "system" with a dedicated cold prewash station to serve a group of washer disinfectors. Washer disinfectors in the barrier perform only the stages of washing, rinsing, thermal disinfection, and drying for faster cycles and lower energy consumption.

Productivity & Automation coming together

Multiple Loading Options

Trolleys and conveyors

A variety of loading and unloading solutions are available to ensure optimal CSSD operations around the world. A popular layout in some Asian countries is shown below: wash carts are loaded and unloaded onto conveyors. This solution maximizes the available space in the Central Sterile Supply Department.

Ergonomics & Logistics
a winning combination

Simplify your daily work

Every CSSD has its own requirements. Steelco includes a wide range of accessories and equipment in its product portfolio to match the needs of operators.

T672
height adjustable transfer trolley

T371
fixed height transfer trolley

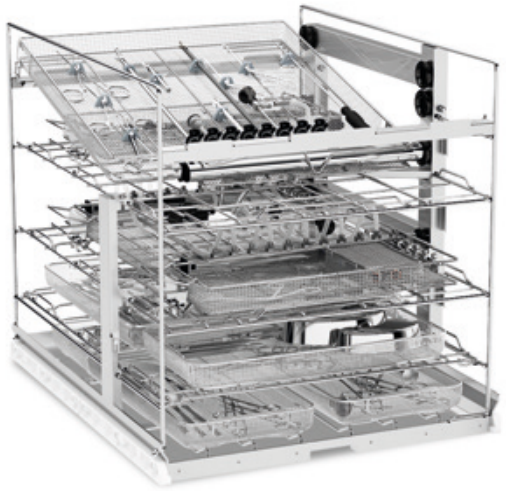
Double-deck trolley storage

The automatic double-deck storage system for wash carts maximizes space in the CSSD and ensures that operators can ergonomically pick each wash carts up.

Wash carts, modules, and connectors

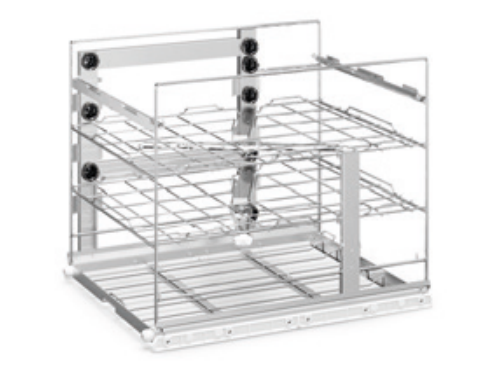
Flexible Loading System

Surgical instruments to be reprocessed can present a challenge for operators. Steelco Flexible Loading System allows for preparation of instruments in customized modules to assist ergonomic loading and reprocessing.

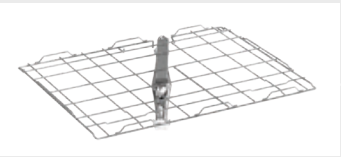


C1715W wash cart is the system's basic unit. It can be equipped with additional modules and levels (see below).
The following pages illustrate the most common set-ups and introduce standard configurations and accessories for instruments connection.

Modules and additional levels

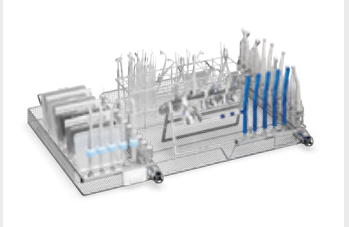


C1715W 3-level wash cart for OR/trays with connections for injection modules

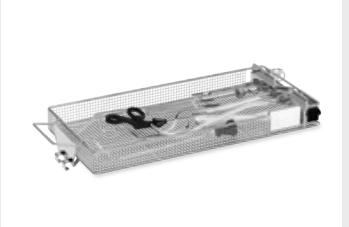


C1715W001
Additional level with spray arm

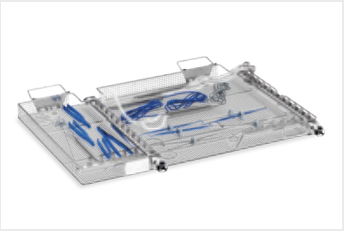
A 608 Module to reprocess MIS instruments with length up to 500 mm / 19.69 "
11 connections



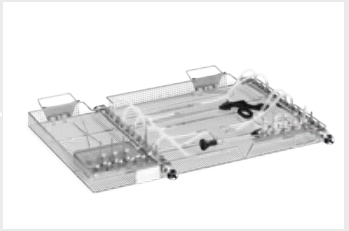
A 604 Module to reprocess hollow dental instruments
32 connections



A 607 Module to reprocess MIS instruments with length up to 400 mm / 15.75 "
6 connections



A 625 Module to reprocess ophthalmic instruments with length up to 450 mm / 17.72 "
32 connections



A 624 Module to reprocess MIS instruments with length up to 450 mm / 17.72 "
32 connections

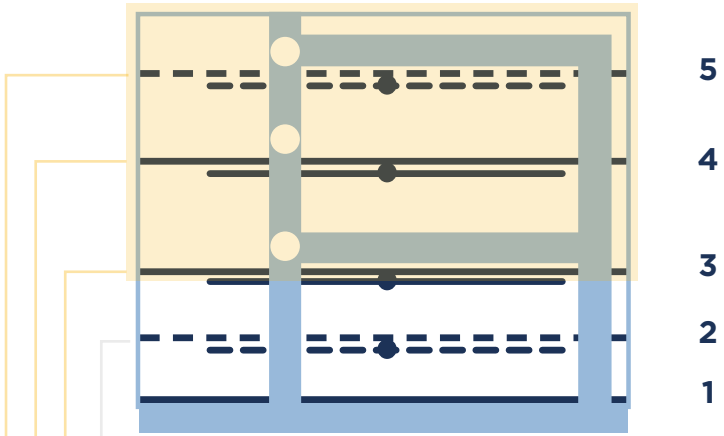
A 624/1 Module to reprocess MIS instruments with length up to 630 mm /24.8 "
26 connections

Configuration Guide

Removable level with washing arm

Fixed level with washing arm

Levels suitable for modules



Possible combination of modules:

C1715W001

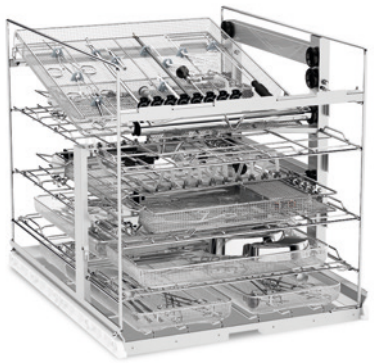
2 x **A 607** or 1 x **A 625**

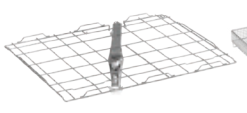
2 x **A 607** or 1 x **A 625**
1 x **A 624*** or 1 x **A 604*** or 1 x **A 608*** + 1 x **A 607**

C1715W001 + 2 x **A 607** or 1 x **A 625**

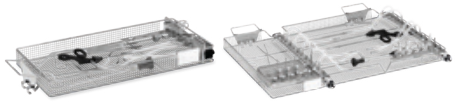
* Not compatible when upper removable level is present

Configuration examples





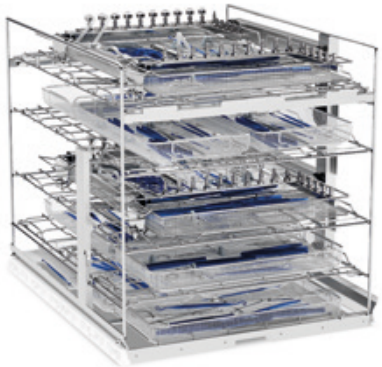
1 X C1715W001 **1** X A 608

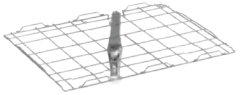


1 X A 607 **1** X A 624

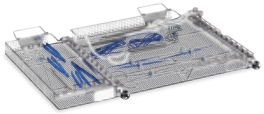
49 connections
for hollow instruments

6 DIN trays





2 X C1715W001

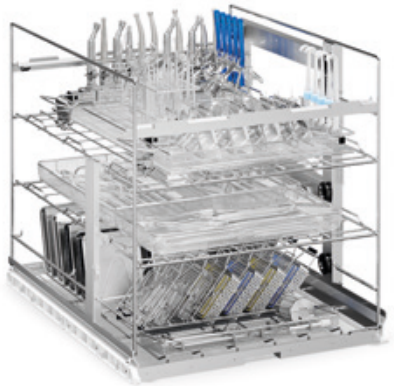


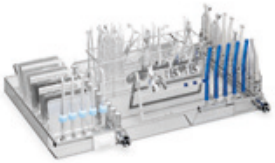
2 X A 625*

64 connections
for ophthalmic instruments

9 DIN trays

* Module loading capacity depends on the configured connection accessories





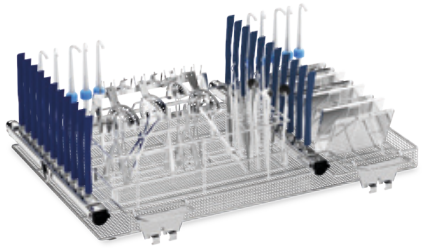
1 X A 604

capacity up to 32
dental instruments

2 levels for trays
and cassettes

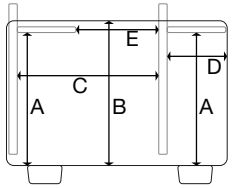
C1715W Modules composition

A 604



Overall size WxDxH:
717x584x71 mm / 28.23x22.99x2.80 "

Useful space:
A 425 mm / 16.73 "
B 465 mm / 18.31 "
C 455 mm / 17.91 "
D 185 mm / 7.28 "
E 270 mm / 10.63 "

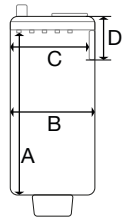


Items supplied:
32 x **A 833**, injector nozzle with aperture on the side, length 110 mm, Ø 4 mm
32 x **E 472**, spring clamp for injector jets Ø 4 mm

A 607

Overall size WxDxH:
245x858x71 mm / 9.65x33.78x2.80 "

Useful space:
A 445 mm / 17.52 "
B 220 mm / 8.66 "
C 210 mm / 8.27 "
D 120 mm / 4.72 "

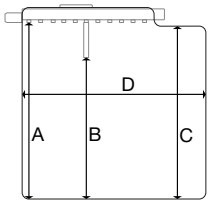


Items supplied:
4 x **A 855**, silicone hose with M Luer Lock adapter for F Luer Lock, length 160 mm
2 x **E 362**, blind stoppers
1 x **E 447**, Luer Lock adapters F for Luer Lock M
1 x **E 449**, Luer Lock adapters M for Luer Lock F
2 x **E 452**, injector nozzle, 60 mm long, Ø 2.5 mm
1 x **E 453**, injector nozzle with retaining clamp, 100 mm long, Ø 4 mm
1 x **E 472**, Spring clamp for injector jets Ø 4 mm

A 608

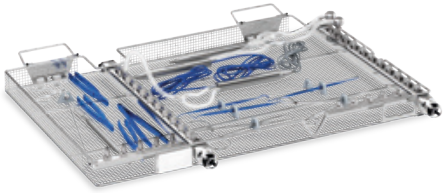
Overall size WxDxH:
611x577x104 mm / 24.06x22.72x4.09 "

Useful space:
A 530 mm / 20.87 "
B 420 mm / 16.54 "
C 515 mm / 20.28 "
D 545 mm / 21.46 "



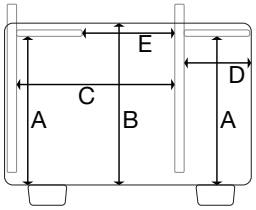
Items supplied:
2 x **A 856**, silicone hose with M Luer Lock adapter for F Luer Lock, length 300 mm
1 x **E 336**, irrigation sleeve, length 121 mm, Ø 11 mm
2 x **E 362**, blind stoppers
6 x **E 442** irrigation sleeves for instruments Ø 4 - 8 mm, 121 mm long, Ø 11 mm, cap with aperture Ø 6 mm
1 x **E 443**, Sleeves for instruments Ø 8 - 8.5 mm, length 121 mm, Ø 11 mm, cap with aperture Ø 10 mm
1 x **E 454** injector nozzle for hollow instruments Ø 10 to 15 mm, e.g. trocar sleeves, with height adjustment clip, 150 mm long, Ø 8 mm
2 x **E 456**, Spring stays for MIS instruments
1 x **E 464**, Holders for injector jet E 454 for hollow instruments Ø 20 mm, with height adjustment spring, length 65 mm, Ø 13 mm

A 625



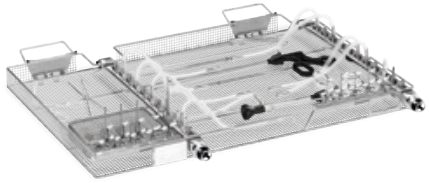
Overall size WxDxH:
717x584x71 mm / 28.23x22.99x2.80 "

Useful space:
A 425 mm / 16.73 "
B 465 mm / 18.31 "
C 455 mm / 17.91 "
D 185 mm / 7.28 "
E 270 mm / 10.63 "



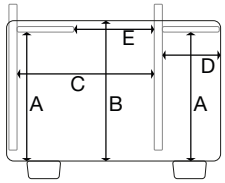
Items supplied:
2 x **A 800**, reusable tubular filter, length 405 mm, Ø 22.5 mm
10 x **A 854**, 90° adapter with screw connection, e.g. for hose connections
10 x **A 855**, silicone hose with M Luer Lock adapter for F Luer Lock, length 160 mm
11 x **E 447**, Luer Lock adapters F for Luer Lock M
11 x **E 517**, Luer Lock adapters M for Luer Lock F

A 624



Overall size WxDxH:
717x584x71 mm / 28.23x22.99x2.80 ″

Useful space:
A 425 mm / 16.73 ″
B 465 mm / 18.31 ″
C 455 mm / 17.91 ″
D 185 mm / 7.28 ″
E 270 mm / 10.63 ″

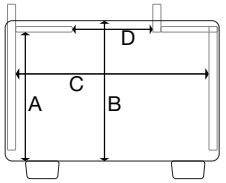


Items supplied:
10 x **A 855**, silicone hose with M Luer-Lock adapter for F Luer-Lock, length 160 mm
10 x **A 856**, silicone hose with M Luer Lock adapter for F Luer Lock, length 300 mm
5 x **E 362**, blind stoppers
4 x **E 449**, Luer-Lock adapters M for Luer-Lock F
8 x **E 452**, injector nozzle, 60 mm long, Ø 2.5 mm
8 x **E 471**, spring clip for injector nozzles Ø 2.5 mm
1 x **E 476**, 50 holders for micro-instruments, Ø 4 to 8 mm, for use in mesh trays with a 5 mm grid
1 x **E 477**, 20 holders for micro-instruments, for use in mesh trays with a 5 mm grid
1 x **E 907/1**, mesh tray with lockable lid and hook for hanging, height 48 mm, width 129 mm, depth 170 mm

A 624\1

Overall size WxDxH:
717x584x71 mm / 28.23x22.99x2.80 ″

Useful space:
A 425 mm / 16.73 ″
B 465 mm / 18.31 ″
C 630 mm / 24.80 ″
D 254 mm / 10 ″



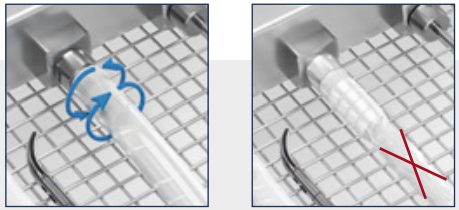
Items supplied:
10 x **A 855**, silicone hose with M Luer-Lock adapter for F Luer-Lock, length 160 mm
10 x **A 856**, silicone hose with M Luer Lock adapter for F Luer Lock, length 300 mm
5 x **E 362**, blind stoppers
4 x **E 449**, Luer-Lock adapters M for Luer-Lock F
8 x **E 452**, injector nozzle, 60 mm long, Ø 2.5 mm
8 x **E 471**, spring clip for injector nozzles Ø 2.5 mm
1 x **E 476**, 50 holders for micro-instruments, Ø 4 to 8 mm, for use in mesh trays with a 5 mm grid
1 x **E 477**, 20 holders for micro-instruments, for use in mesh trays with a 5 mm grid
1 x **E 907/1**, mesh tray with lockable lid and hook for hanging, height 48 mm, width 129 mm, depth 170 mm

Optional accessories

	A 800	A 803	A 813	A 814	A 816	A 854	A 855	A 856	E 362	E 476	E 477	E 479	E 499	E 790	E 791
A 604	•	•	•	•			•	•	•	•	•	•		•	•
A 607					•		•	•	•	•	•	•		•	•
A 608	•						•	•	•	•	•	•		•	•
A 624	•					•	•	•	•	•	•	•	•	•	•
A 625	included by default					•	•	•	•	•	•	•		•	•

Practical and effective even in the smallest details

These images represent only a few examples of the advanced design of Steelco accessories.



Swivel anti-torsion hose system for easy instrument port connection, avoiding water flow restrictions.

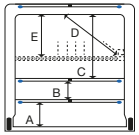
Holders with varying contact points for full instrument washing coverage.

Specialized wash carts

C102W

3-level MIS wash cart
with 2 washing arms.

Useful space:
A ~ 90 mm/3.54"
B ~ 75 mm/2.95"
C ~ 365 mm/14.37"
D ~ 395 mm/15.55"



C104W

Anaesthesia wash cart
- 24 connectors for flexible pipes
- 12 rebreathing bag nozzles
- 24 endotracheal tubes nozzles

Dimensions:
W 645mm/25.39"
D 820mm/32.28"
H 660mm/25.98"

C107W

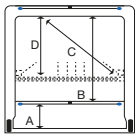
Pressure chamber MIS wash cart. Rigid endoscope wash cart with luer lock connection.

Dimensions:
W 645mm/25.39"
D 815mm/32.08"
H 655mm/25.78"

C120W

2-level MIS wash cart
with 1 washing arm.

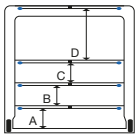
Useful space:
A ~ 87 mm/3.42"
B ~ 490 mm/19.29"
C ~ 567 mm/22.32"
D ~ 357 mm/14"



C1332W

4-level wash cart
with 3 washing arms.
72 hand pieces positions.

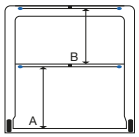
Useful space:
A ~ 82 mm/3.2"
B C ~ 65 mm/2.55"
D ~ 252 mm/9.92"

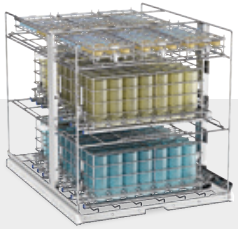


C1076W

2-level wash cart
with 1 washing arm.
72 hand pieces positions.

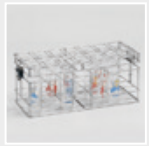
Useful space:
A ~ 285 mm/11.22"
B ~ 290 mm/11.42"

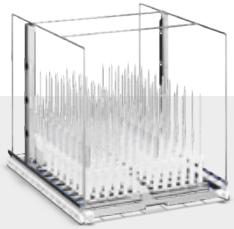




Baby bottles and laboratory glassware

C998W
3-level baby bottles wash cart;
with C34 or C35 dedicated
basket not included.





C1223W
Wash cart for pipettes.
114 Pipettes max lenght 500 mm

C1208W
Injection wash cart for
laboratory glassware.

Wash carts for robotic surgery instruments

Steelco provides reprocessing solution for different brands of robotic surgical instruments with dedicated or modular wash carts.

Ask Steelco for the most up-to-date validated reprocessing solutions.

Sterilization Solutions for any Purpose

Steelco has developed a full range of steam and low-temp sterilizers to satisfy the needs of every facility, from the smallest one to the largest CSSD. As Robotic-Assisted Surgery (RAS) are found in many surgical departments of hospitals around the world – both big and small, reprocessing solutions are designed to meet different throughput needs. Steelco sterilizers offer versatility, safety, and high performance whilst keeping cost of ownership low. Traceability is also cost-effective thanks to our SteelcoData software suite.

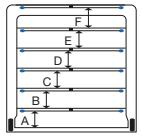
Fixed levels wash carts

C115W

6-level wash cart with washing arms.

Up to 18 DIN 1/1 trays

Useful space:
A B C D E F ~ 63 mm / 2.48"



C114W

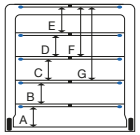
5-level wash cart with washing arms.

Up to 15 DIN 1/1 trays

Up to 10 SPRI I trays

The two top levels are removable.

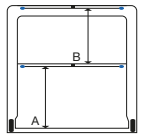
Useful space:
A B C D ~ 78 mm / 3.1"
E ~ 100 mm / 3.94"
F ~ 230 mm / 9"
G ~ 360 mm / 14.2"

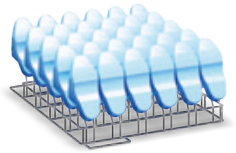


C103W

2-level wash cart with washing arms.
Dedicated to OP theatre shoes/clogs.

Useful space:
A ~ 300 mm / 11.81"
B ~ 275 mm / 10.82"





C130: 30 rubber shoes/ clogs support for 2-level wash cart.

C131: 18 rubber shoes/ clogs support for 2-level wash cart.

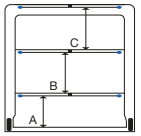
C101W

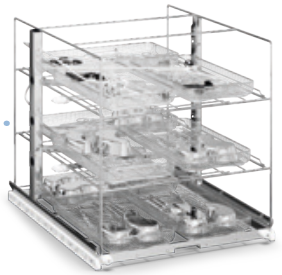
3 level wash cart with washing arms.

Up to 9 DIN 1/1 trays

Up to 6 SPRI I trays.

Useful space:
A B ~ 200 mm / 7.87"
C ~ 130 mm / 5.12"





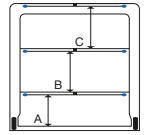
C1080WE

3 level wash cart with washing arms.

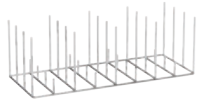
Up to 9 DIN 1/1 trays

Up to 6 SPRI I trays.

Useful space:
A B C ~ 170 mm / 6.7"



C1841: multi-use holder for bowls, trays and cassettes.



C1842: multi-use holder for bowls, trays and cassettes.

Storage shelving

Storage shelving system for up to 4 wash carts

Removable levels

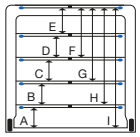
C100W

5 **removable** level wash cart with washing arms

Up to 15 DIN 1/1 trays.

Up to 10 SPRI I trays.

Useful space:
A B C D E - 80 mm / 3.15"
F - 220 mm / 8.7"
G - 360 mm / 14.2"
H - 500 mm / 19.7"
I - 638 mm / 25.2"

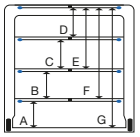


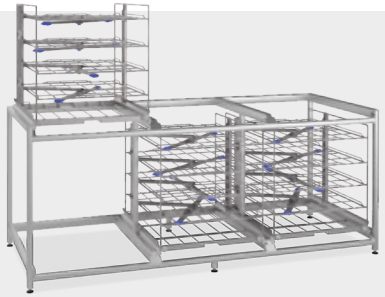
C111W

4 **removable** level wash cart with washing arms.

Up to 12 DIN 1/1 trays.

Useful space:
A B C D - 114 mm / 4.49"
E - 300 mm / 11.8"
F - 470 mm / 18.5"
G - 635 mm / 25"





Storage shelving system for up to 6 wash carts

C110

MIS instrument ramp:
14 injector sleeves
40 silicone support
8 Luer-lock connections
Can be used on C100W only.

C981

Micro surgery and ophthalmic instruments washing ramp:
40+24 micro-filtered connections

C1553

Insert for
24 hand pieces

C1552

Insert for
12 hand pieces

Multipurpose wash cart C105W

The single-level wash cart C105W can be equipped with dedicated inserts for washing DIN containers, clogs or kidney dishes.

Useful height: 630mm/24.80"
Dimensions WxDxH:
645mm/25.39" x 805mm/31.69" x 660mm/25.98"
Materials: S.S. AISI 304, plastic components

C109 insert: up to 6 DIN 150 mm height containers with lids.

C108 insert: up to 2 DIN 150 mm height containers with lids.

C106 insert: up to 4 DIN 300 mm height containers with lids.

C130: up to 30 OP theatre shoes/clogs insert.

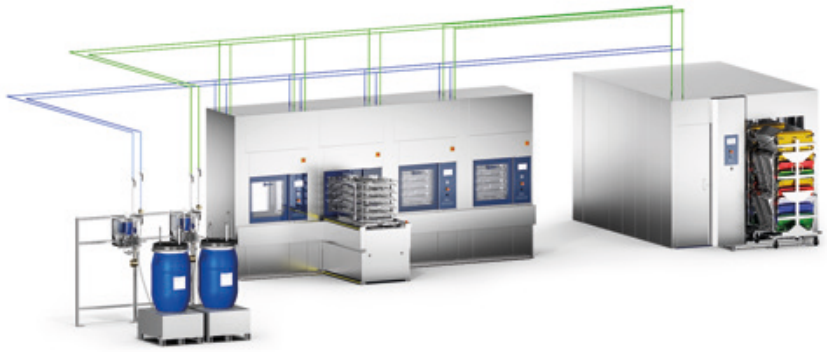
C131: up to 18 OP theatre shoes/clogs insert.

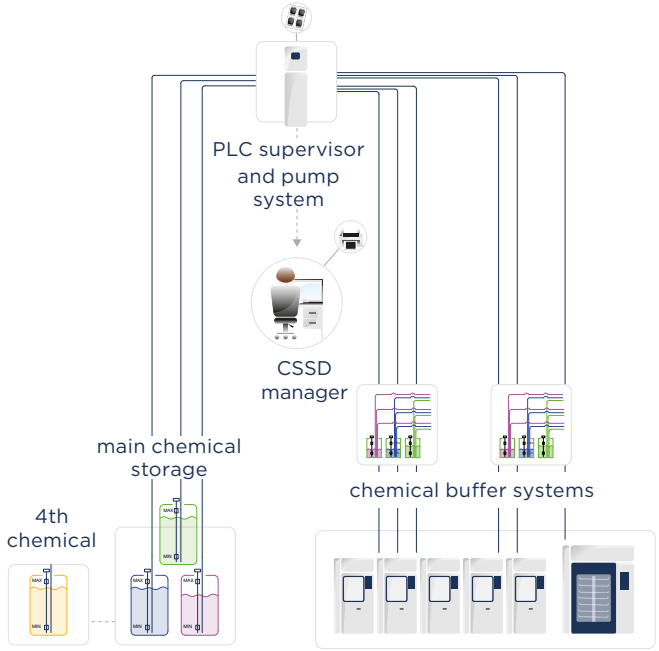
C126: Kidney dish insert, 50mm step.

SteelcoChem
cost and time savings

Designed to automatically supply chemicals to CSSD equipment.

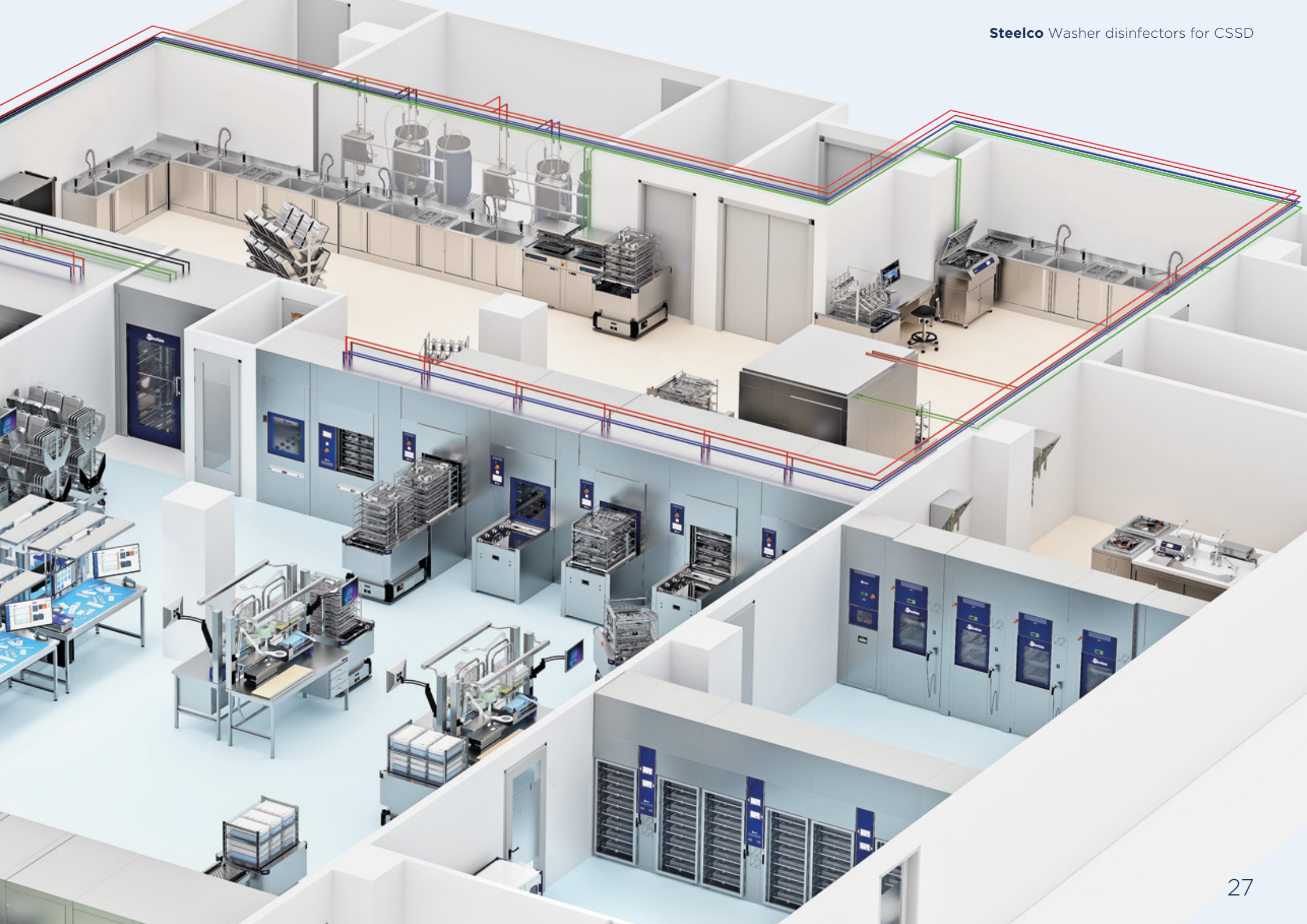
SteelcoChem is the optimal solution to minimize chemical tank changes through the use of centralized bulk chemical tanks, allowing to save time and costs.
It improves operator safety and reduces the risk of error when handling chemicals. Operators can see in real time chemical levels in main and buffer tanks and recall historic data using SteelcoData Live.





ProCare Med **Chemicals to protect your patients, equipment, and staff**

ProCare Med is a comprehensive range of carefully selected and tested chemicals to cover the needs of the complete instrument process cycle.



Design & Layout
the best solution for every need

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

Example of a CSSD with:

Soiled area:

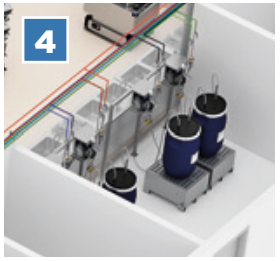
1 Barrier of washer disinfectors, endoscope washers, and trolley washers.
2 Dedicated furniture with sinks, ultrasonic machines
3 ATS automatic loading/unloading shuttle
4 SteelcoChem centralized chemical distribution system

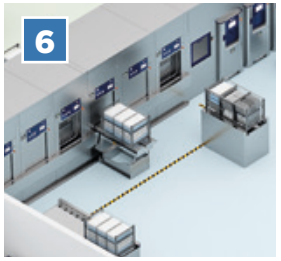
Clean area:

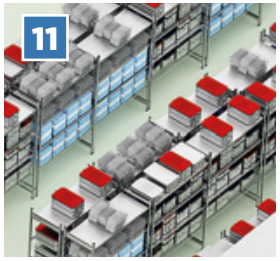
5 Drying and storage cabinets
6 M-ATS and ATS shuttles at loading/unloading sides
7 SUIS Vision System: artificial intelligence for instruments' automatic recognition
8 Dedicated furniture and accessories for in-house packaging and distribution

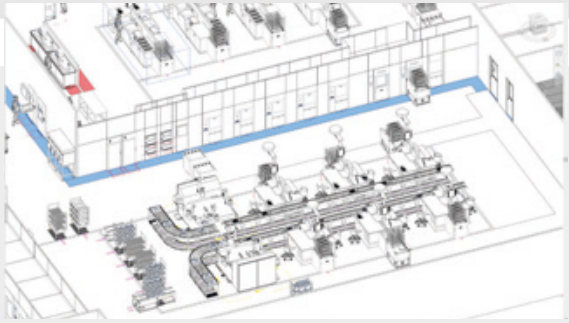
Sterile area:

9 Barrier of steam and low-temperature sterilizers
10 Automatic unloading systems
11 Sterile storage and distribution systems
12 SteelcoData traceability software suite for CSSDs.









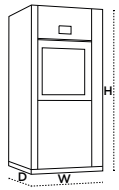
Thanks to know-how acquired over the decades in the medical industry in numerous countries, Steelco is able to offer design consultancy services to meet individual client needs.

We can provide 2D layouts and 3D models to hospital design and engineering offices for an easy understanding and simpler installation.

Capacity and Dimensions

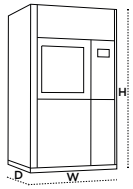
Layouts and configurations

DS 900 N
DS 1000 N



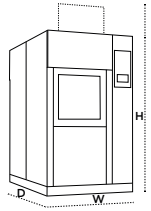
Model	Usable chamber (WxDxH) - mm/inches			Volume	Overall (WxDxH) - mm/inches		
Single door							
DS 900 N - Standard cycle	660/26	810/31.89	675/26.57	~ 360 lt	900/35.43	960/37.79	1940/76.37
DS 900 N 1S - Fast cycle version					900/35.43	960/37.79	1940/76.37
DS 900 N 2S - DS 900N 3S - Fast cycle version					900/35.43	960/37.79	2620/103.14
Double door							
DS 1000 N - Standard cycle	660/26	810/31.89	675/26.57	~ 360 lt	900/35.43	960/37.79	1940/76.37
DS 1000 N 1S - Fast cycle version					900/35.43	960/37.79	1940/76.37
DS 1000 N 2S - DS 1000N 3S - Fast cycle version					900/35.43	960/37.79	2620/103.14

DS 900
DS 1000



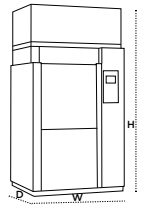
Model	Usable chamber (WxDxH) - mm/inches			Volume	Overall (WxDxH) - mm/inches		
Single door							
DS 900	660/26	810/31.89	675/26.57	~ 360 lt	1100/43.3	960/37.79	1940/76.37
Double door							
DS 1000	660/26	810/31.89	675/26.57	~ 360 lt	1100/43.3	960/37.79	1940/76.37

TW 3000/2



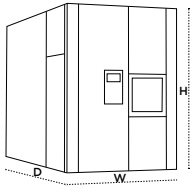
Model	Usable chamber (WxDxH) - mm/inches			Volume	Overall (WxDxH) - mm/inches		
Multichamber							
TW 3000/2	660/26	810/31.89	675/26.57	~ 360 lt	1150/45.27	1775/69.88	1980/77.95

US 900
US 1000



Model	Usable chamber (WxDxH) - mm/inches			Volume	Overall (WxDxH) - mm/inches		
Single door version							
US 900	660/26	810/31.89	675/26.57	~ 350 lt	1250/49.21	1020/40.15	2393.5/94.23
Double door models							
US 1000	660/26	810/31.89	675/26.57	~ 350 lt	1250/49.21	1020/40.15	2393.5/94.23

TW 3000/3/4/5



Model	Usable chamber (WxDxH) - mm/inches			Volume	Overall (WxDxH) - mm/inches		
Multichamber							
TW 3000/3 - 3 step process	660/26	810/31.89	675/26.57	~ 360 lt	2100/82.67	2937/115.62	2650/104.33
TW 3000/4 - 4 step process	660/26	810/31.89	675/26.57	~ 360 lt	2100/82.67	3942/155.19	2650/104.33
TW 3000/5 - 5 step process	660/26	810/31.89	675/26.57	~ 360 lt	1900/74.8 /2100/82.67*	4854/191.10	2650/104.33

* Some configurations may affect overall dimensions.

Technical Data

Models, technical characteristics, and options

	DS 900/1000 (N)	TW 3000/2	TW 3000/3	TW 3000/4	US 900/1000
Standard compliance					
93/42/EEC and s.m.i Medical Devices Directive EN ISO 15883-1/2/5	•	•	•	•	-
2006/42/CE and s.m.i Machine Directive CE mark issued by the notified body: 0051	•	•	•	•	-
Chamber and door(s)					
Number of door(s)	1/2	4	6	8	1/2
Door(s) type	Sliding Automatic	Sliding Automatic	Sliding Automatic	Sliding Automatic	Sliding Automatic
Door(s) movement	downward	upward	upward	upward	upward
Load capacity					
Number of standard DIN 1/1 trays	18	36	54	72	18
Water heating system					
Electric	•	•	o	o	•
Steam	o	o	•	•	-
Mixed	o	o	o	o	-
Chemical dosing					
Chemical dosing pumps controlled by flow meters	2xStd up to 4	2xStd up to 4	2xStd up to 6	3xStd up to 6	-
Drying					
Electrically heated HEPA H14 filtered forced air	•	•	•	•	-
Control system and traceability					
7" HMI	•	•	-	-	•
10" HMI	-	o	•	•	
Barcode reader for operator identification and washing program assignment	o	o			
Automatic washing trolley recognition and washing program assignment	Std - magnetic	Std - magnetic	Std - magnetic	Std - barcode	
Integrated printer	o	o	o	o	
Ethernet port for digital traceability (via SteelcoData software)	•	•	•	•	
Light inside the chamber	o	o	o	o	
Multicolor room lighting (highlights machine status)	o	o	-	-	
Sustainability and Performance					
Single or double water pre-heating tank (Fast Cycle configurations)	3 optional	•	1xStd - up to 3	1xStd - up to 3	
Steam condenser/steam condenser with heat recovery	o	o	o	o	
Washing pump with speed regulation	o	o	o	o	
Drying phase controlled by humidity sensor	o	o	o	o	
Process quality					
Washing rotor rotation control	o	o	o	o	
Washing circuit pressure control (analogue transducer)	o	o	o	o	
Quality control of final rinse water (conductivity meter, recorded data)	o	o	o	o	
Connections to services and maintenance					
Exhaust cooling system, controlled by solenoid valve	o	o	o	o	
Full front access for maintenance	•	•	•	•	

• = Standard o = Option - = Not available

Steelco

Miele Group Member

Customization.
Innovation.
Excellence.

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*Only for products listed into the 909/MDD certificate

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 subjected to change without prior notice. Please consult your Steelco dealer for the latest information.

DC-PD-02-CSSD Range EN Rev.02