

Washer disinfectors

> DS 610 SL



Steelco
devoted to hygiene



“For the Environmentally conscious”



> For your safety



DS 610/1 SL - DS 610/2 SL washer disinfector



- > Nowadays washer disinfector manufacturers not only have to take into consideration the compliance of their products to the corresponding statutory hygiene guidelines as the new 15883/2 rule but also have to follow the more and more growing Customer demand for washer disinfectors which can combine thorough cleaning results with working efficiency and environment care.
- > Thanks to the experience we have made with the manufacturing of our DS 1000 3S and DS 800 3S models for which a standard cleaning, disinfecting and drying cycle time has been reduced up to 30 minutes, Steelco has now developed a new fast cycle machine.
- > The DS 610 SL is a 10 DIN basket capacity machine which combines high efficiency and energy saving concept with exceptional cleaning/drying results in a very short cycle time, meeting every need in the healthcare sector.

The new DS 610 SL is a fully automatic washer disinfector with motorized vertical sliding down door available in single or double door pass-through version, standard configuration or **fast cycle concept** - 35 min.

STANDARD COMPLIANT

Steelco Washer-Disinfectors are designed and constructed to comply with the latest European and UK guidelines on decontamination. EN ISO 15883-1/2 and HTM 2030

Steelco Washer-Disinfectors are classified CE Medical Device (Community rule 93/42/CEE) code nr. 0051.



> For their safety



The Fast Cycle concept

“to combine the energy saving concept with a high standard cleaning and drying performance in a very short cycle time - 35 minutes”



LCD TOUCH CONTROL SYSTEM

- > Easy to use, the touch control system with LCD display can simplify the end user job when operating the machine. The glass control panel can also guarantee the operator a better protection against contamination when selecting the cycle type.
- > The control panel is provided with 8 touch buttons and 8 led (for easy cycle selection). LCD color panel visualizes cycle status and alarms.
- > LCD touch control system allows to optimize the washing process and the programs personalization directly operating on front panel.



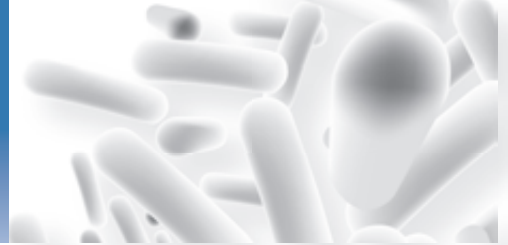
FAST CYCLE

- > The great advantage of a fast cycle washer disinfector like the DS 610 SL is to combine a high standard cleaning and drying performance with the need to reduce cycle time up to 35 minutes, into this machine size.
- > Time saving can improve the efficiency of the entire system and increase the cleaning capacity maintaining high level of disinfection.



AUTOMATIC SLIDING DOWN DOOR

- > Allows professional high standard performance in every reprocessing area also when the space is very limited. DS 610 SL thanks to its compact size is ideal for space saving projects. The full HST glass motorized door guarantees the end user a complete visual inspection during washing cycle.
- > All loading and unloading operations can be done by using a manual transfer trolley.



Perfect drying

“the efficient distribution of air on all chamber parts and wash cart levels reaches all instruments and tubes”

This model is equipped with filtered forced air drying system which ensure a perfect drying of all instruments and tubes after disinfection thanks to an efficient distribution of air on all chamber parts and wash cart levels.

The large capacity of this model assures consistently tested and efficient washing-disinfecting performances and meets at the same time increasing reprocessing needs.

Up to 5 levels washing carts are available to treat up to 10 DIN net baskets in a single cycle. A multi level basic wash cart with removable shelves with washing arms is available to reach a higher level of versatility.

- > Chamber volume **250 lt**
- > Basket volume **220 lt**



USB PORT

Inside the lower panel a protected USB port is available as optional to download hystorical cycle data and for software upgrades.



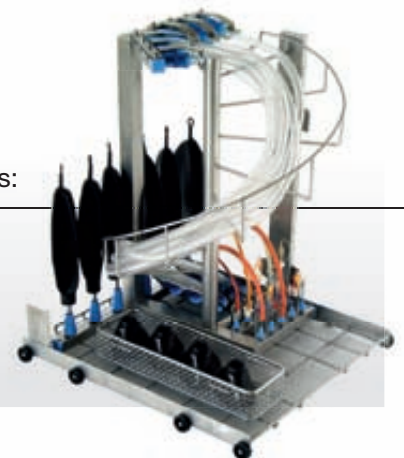
HIGH QUALITY MATERIALS

Frame and body of machine made of AISI 304 stainless steel.
Inner cabinet, washing arms and tank filters made of high quality AISI 316 L stainless steel.
Construction system with total removal of angles.
Self cleaning tank with rounded edges, water filtering system in three levels.



> The following applications are performed using dedicated wash carts and accessories:

- Surgical instruments
- Ophthalmology instruments
- Containers
- MIS instruments
- OP rubber shoes
- Baby bottles
- Anaesthesia instruments



> Key features

- Large capacity up to 10 DIN 1/1 net basket.
- LCD touch control system with color panel to visualize cycle status.
- USB port to download historical cycle data with possibility to upgrade the software (optional)
- 20 standard pre-programmed cycles available and 20 additional cycles available for customization
- RS 232 port is provided with printer connection for monitoring and validating washing phases.
- Motorized sliding down glass door made of HST temperate glass.
- Ergonomic design of the door level height allows convenient loading and unloading operations with the support of a transport trolley.
- An efficient filtered forced air drying system with adjustable time and temperature setting, helps to ensure the complete inside and outside drying of all the surgical instruments and tubes.
- Optional steam condenser eliminates vapours from entering into the washing area.

- Washing and DI disinfection temperature are fully adjustable up to 93°C. Temperature is monitored by two independent sensors.
- Machine can be equipped with a steam condenser to eliminate vapors from entering into the washing area. (optional)
- Heavy washing pump ensure high flow rate combined with effective spray pressure.
- Washing/drying injection system on the same circuit.
- Inner cabinet, washing arms and tank filters entirely made of high quality AISI 316 L stainless steel. Frame and body of machine made of AISI 304L stainless steel.
- Triple water filtering system ensures to capture residue preventing re-circulation of contaminated material.
- Two standard automatic liquid dispensers provided with level control. Two more dispensers are available as optional.
- Large storage on bottom basement to allocate up to four 5 lt chemical container.

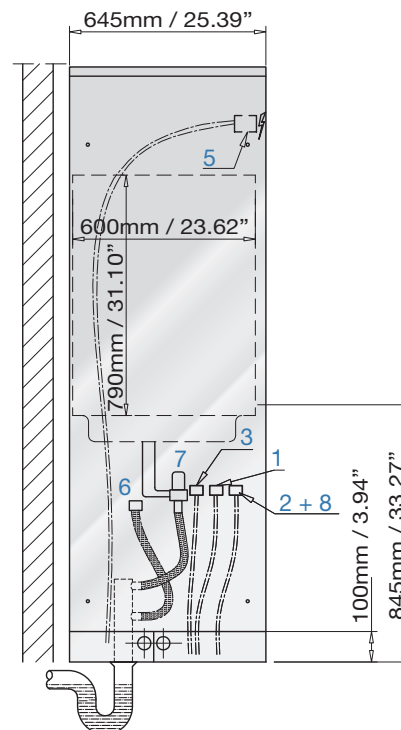
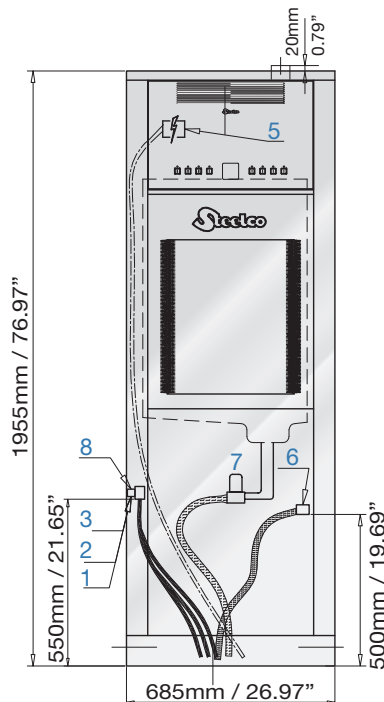
> Connections

Standard electrical connection (International)	400 Vac 3 N+T / 50Hz
Optional electrical connection (North America)*	3x208V/60Hz or 3x480V/60Hz
Power	8250 W
Pump power	750 W
Noise	57.5 dB(A)
Permitted room temperature	+5°C / +40°C
Dryer blower	250 m³/h
Dryer heating	3000 W

*other electrical connections also available as optional

> Optional

- | | | | |
|------------------------------------------------------------|--------------------------|------------------------|-------------------|
| - 3 rd and 4 th Chemical dosing pump | - Integrated printer ST2 | - Light inside chamber | - Steam condenser |
| - HEPA H14 air filter | - USB port | - Steam heating | |



1	Warm water connection	¾" male	DN 20 mm
2	Cold water connection	¾" male	DN 20 mm
3	Demineralized water connection	¾" male	DN 20 mm
4	Breather pipe chamber	Ø 60 mm	

5	Electrical connection		
6	Steam condenser	Ø 25 mm	
7	Machine drain	Ø 25 mm	
8	Steam condenser cold water connection	¾" male	DN 20 mm



> Surgical instruments wash carts



C830

- > Lower instruments wash cart
Size: 535x585x615h mm
Capacity of 2 DIN 1/1 net basket or 1 SPRI I



C740

- > Two levels instruments wash cart provided with one washing arm
Size: 535x585x495h mm
Capacity of 4 DIN 1/1 net baskets or 2 SPRI I
- 1° Level: working height 300 mm
- 2° Level: working height 290mm



C739

- > Three levels instruments wash cart provided with two washing arms
Size: 535x585x615h mm
Capacity of 6 DIN 1/1 net baskets or 3 SPRI I
Description:
- 1° Level: working height 200 mm
- 2° Level: working height 180 mm
- 3° Level: working height 130 mm



C738

- > Four levels instruments wash cart provided with 3 washing arms
Size :535x585x615h mm
Capacity of 8 DIN 1/1 net baskets or 4 SPRI I
Description:
1° Level: working height 130 mm
2° Level: working height 130 mm
3° Level: working height 130 mm
4° Level: working height 80 mm



C737

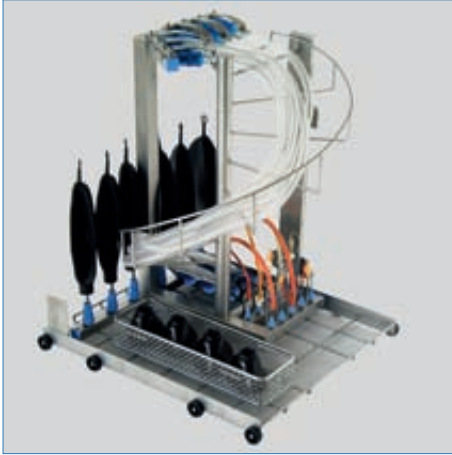
- > 5 Levels instruments wash cart provided with 4 washing arms
Size: 535x585x615 h mm
Capacity of 10 DIN 1/1 net baskets or 5 SPRI I
Description:
1° Level: working height 90 mm
2° Level: working height 90 mm
3° Level: working height 90 mm
4° Level: working height 90 mm
5° Level: working height 80 mm



C701

- > 5 Levels instruments wash cart provided with 4 washing arms and removable shelves
Size :535x585x615 h mm
Capacity of 10 DIN 1/1 net baskets or 5 SPRI I
Description:
Three removable shelves and two fix
1° Level: working height 90 mm
2° Level: working height 90 mm
3° Level: working height 90 mm
4° Level: working height 90 mm
5° Level: working height 80 mm

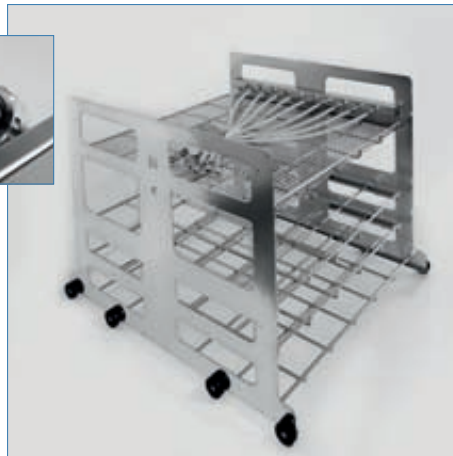
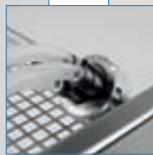
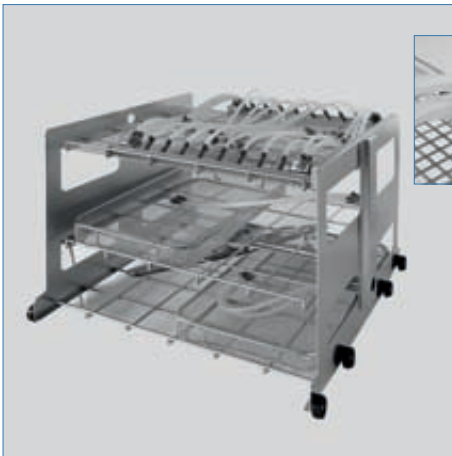
> AN wash cart



C741

- > Anaesthesia instruments injection wash cart with drying
- Size: 535x585x670h mm
- Description:
 - Nr. 6 Connectors for flexible pipes (max 150cm)
 - Nr.6 Anaesthesia balloons nozzles
 - Nr.10 Endotracheal tubes nozzles 2,5x80 diam.
 - Nr. 6 Masks

> Ophthalmology wash carts

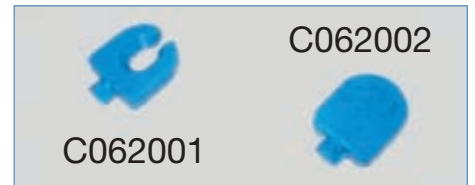
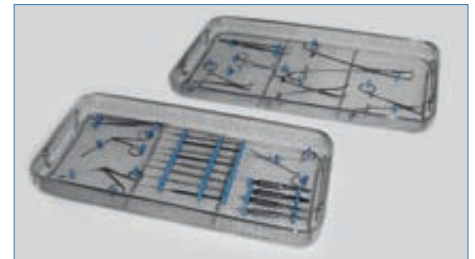


C802

- > Three levels ophthalmology injection wash cart with drying provided with 2 washing arms
- Size: 535x585x520h mm
- Description:
 - Nr. 16 Luer lock conn. plus silicon pipes
 - Nr. 4 lateral Luer lock conn. plus silicon pipes
 - Nr. 4 triple Luer lock conn. plus silicon pipes
 - Injectors connection diam 3,5 mm
 - 1° Level: working height 100 mm
 - 2° Level: working height 200 mm
 - 3° Level: working height 170 mm

C803

- > Four levels ophthalmology injection wash cart with drying provided with 2 washing arms
- Size: 535x585x455h mm
- Description:
 - Nr. 10 Luer lock connections plus silicon pipes - Injectors connections diam. 3,5
 - 1° Level: working height 110 mm
 - 2° Level: working height 110 mm
 - 3° Level: working height 110 mm
 - 4° Level: working height 170 mm



C62

- > DIN 1/1 net basket
- Size: 485x250x50h mm
- (Cover C96)
- Equipped with fixing instrument accessories

DS 610 - carts availability



> MIS wash carts



C742

- > Three levels mis injection wash cart with drying provided with two washing arms
- Size: 535x585x520h mm
- Description:
 - 1° and 2° levels for two DIN in 1/1 net baskets (485x250x50h mm) each
 - 3° Level working height 360 mm: for Nr. 18 Mis (max length instrument 500 mm)
 - Nr. 18 Luer lock with silicon pipe



C867

- > Four levels mis injection wash cart with drying provided with three washing arms
- Size: 535x585x615h mm
- Description:
 - 1°, 2° 3° levels for two DIN in 1/1 net baskets (485x250x50h mm) each
 - 4° Level: for Nr. 18 Mis (max length instrument 500 mm)
 - Nr. 18 Luer lock with silicon pipe



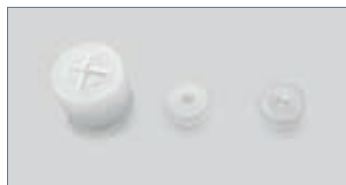
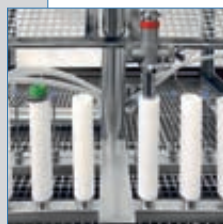
C40

- > Net DIN 1/1 basket for rigid optic and mis
- Size: 485x250x50mm h
- Description:
 - Adjustable fixing system for short and long instruments



C801

- > Two levels rigid endoscope wash cart with drying provided with pressure chamber
- Size: 535x585x485h mm
- Description:
 - Nr. 2 Din 1/1 net basket with rigid endoscope connections
 - Nr. 6 Hollow instrumentation connections
 - Nr. 12 Pipes, channels and catheters connections
 - Nr. 10 Luer lock connections with silicon pipes



- > Silicon gasket for rigid instruments support to enable perfect injection water connection

C058003

- > ø 21 mm cross cutted

C058006

- > ø 21 mm ø 6 mm insertion hole

C058003

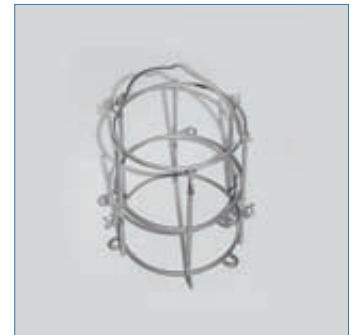
- > ø 21 mm ø 6 mm insertion hole



Net basket with cover

- > C43 for 1 rigid endoscope
- Size: 290x80x52mm h

- > C44 for 2 rigid endoscopes
- Size: 460x80x52mm h



C41

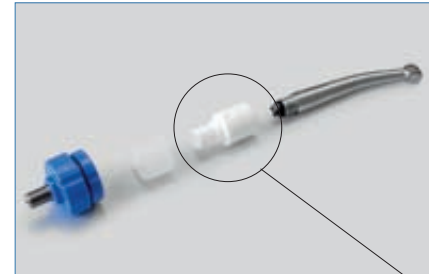
- > Cylindric basket for ladic hollow, cold light pipes and suction little pipes

> Dental wash cart and accessories



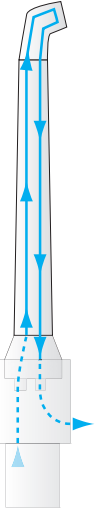
C860

- > Two levels wash cart provided with washing arm and 48 injector positions for hand pieces
- Size: 535x585x615h mm
- Capacity:
 - 1° level nr 24 hand pieces plus inserts
 - 2° level nr 24 hand pieces plus inserts



C080015

- > Patented adaptor available for all hand pieces brands. It allows to have the perfect inside channels cleaning through water circulation.



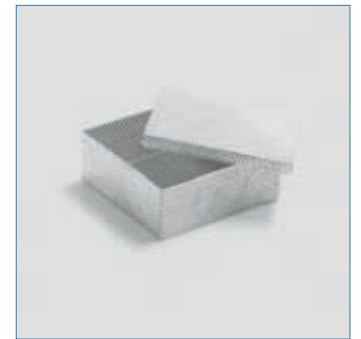
> Hand pieces support

- Cod. **C080010** upper part
- Cod. **C080009** lower part
- Cod. **C080006** stainless steel filter
- Cod. **C080001** adaptor ø mm 15
- Cod. **C080005** adaptor ø mm 20
- Cod. **C080011** injector cover ø mm 15
- Cod. **C080012** injector cover ø mm 20



C862

- > Four position insert for large instrument cassettes to be used with C860



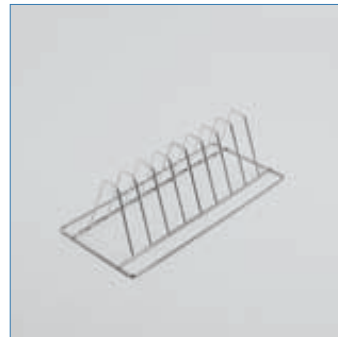
C28

- > Net basket for small items
- Size: 100x100x40h mm



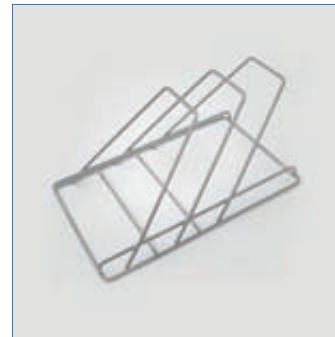
C03

- > Vertical basket for mirrors and instruments
- Size: 440x170x63h mm



C04

- > 8 positions tray insert
- Size: 390x180x110mm h
- Step: 36mm



C90

- > 3 positions insert for instruments cassette (max height mm 80)
- Size: 385x250x180mm h



C91

- > 4 positions insert for instruments cassette (max height mm 50)
- Size: 385x250x180mm h

> Baby bottles wash cart



C745

- > Baby bottles injection wash cart on three levels provided with 2 washing arms.
Size: 535x585x615h mm
Capacity: 1° Lev. 2x C34 (n° 42 250ml bottles d.55 -170h)
2° Lev. 2x C34 (n° 42 250ml bottles d.55 -170h)
3° Lev. 2x baskets with cover for dummies / rings



C35



C17



C16



C34

C34 Baby bottles basket

- > Size: 440x190x185mmh
Description:
- 21 Baby bottles places
(250 ml - diam 55mm;
170h mm)

C35 Dummy basket

- > Size: 360x160x60mm h
Description:
- 21 Dummies positions

C16 Baby bottles basket

- > Size: 370x190x185mm h
Description:
- 18 Baby bottles places
(250 ml - diam 55mm;
170h mm)

C17 Dummy basket

- > Size: 310x160x60mm h
Description:
- 18 Dummies places

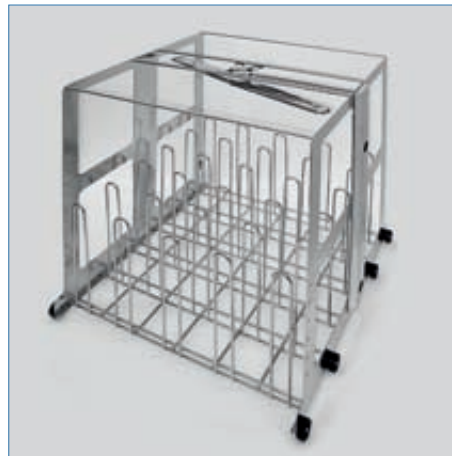
> Containers cart



C743

- > Standard containers washing cart
Size: 535x585x520h mm
Description:
Capacity of 4 DIN containers of 300x600x150h mm plus lids or 2 DIN containers 300x600x300h mm plus lids

> OP shoes cart



C840

- > Rubber OP shoes wash cart provided with washing arm
Size: 535x585x615h mm
Description:
- 30 Positions OP shoes



C687

- > Rubber OP shoes insert to be used with C740 or C830
Description:
- 20 Positions OP shoes

> Loading trolley

C250

- > Manual transfer trolley
Size: 850h mm
Description:
- Two wheels with pedal blocking device
- Provided with linking system to hook the washer for perfect cart loading
- Liquid collector



> Universal trays and baskets



C62
> DIN 1/1 net basket
Size: 485x250x50h mm
(Cover C96)



C96
> DIN 1/1 net basket cover for C62
Size: 485x250mm



C66
> DIN 1/2 net basket
Size: 240x250x50h mm



C72 Net basket
> Size: 400x120x120h mm
C65 Net basket
> Size: 400x120x70h mm
C67 Net basket cover
> for C65 and C72
Size: 420x120

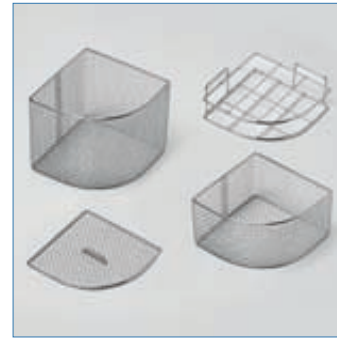


C71 Net basket
> Size: 220x150x50h mm

C87 Net basket cover
> Size: 220x150

C63 Net basket
> Size: 120x120x120h mm

C64 Net basket cover
> Size: 120x120

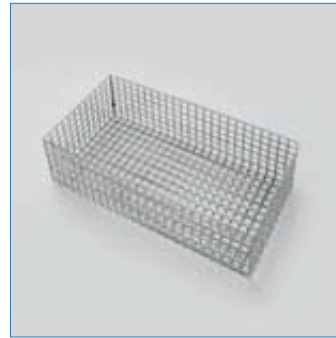


C68 Angular 1/4 net basket
> Size: 220x220x100h mm

C69 Angular 1/4 net basket
> Size: 220x220x130h mm

C77 Cover for C68, C69 and C70
> Size: 210x210

C86 Separated net

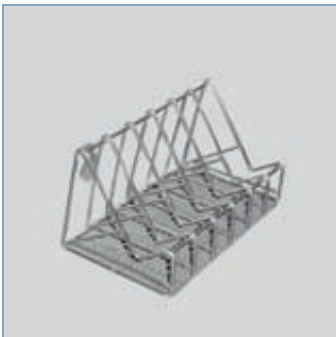


C608
> Net basket
Size: 240x120x70mm h
Net hole measurement: mm8x8

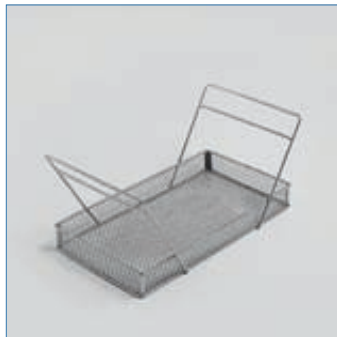
C45
> Net basket
Size: 250x140x70mm h
(Mesh 10x10 mm)



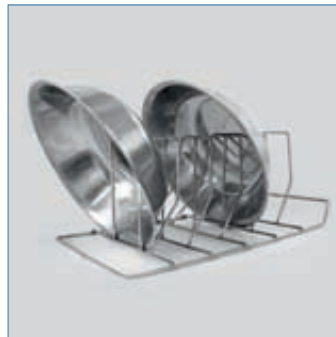
C610
> Ophthalmology specula net basket
Size: 440x170x63h mm



C664
> Six positions gynecology specula insert rack



C07
> Net basket with handles
Size: 420x180x195h mm



C14
> Six positions basin insert
Size: 480x280x185h mm
Step: 70mm



C61
> insert with 28 spring hooks for laboratory glassware



devoted to hygiene

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The products and technical specifications are subjected to change without prior notice. Please consult your Steelco dealer for the latest information.

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