LAB 610 G2

High capacity/small footprint glassware washer for mid-size laboratories



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.

Efficiency

We strive for peak productivity by optimizing our processes, resources, and operations.

Our goal is to deliver solutions and services swiftly and effectively, without compromise, minimizing waste and maximizing value.

Reliability

We stand by our word, delivering solid and trustworthy solutions every time.

Our aim is to forge long lasting relationships built on trust and mutual respect by consistently meeting our commitments.

SteelcoBelimed

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LAB 610 G2
Laboratory Glassware Washer



The LAB 610 G2 is a large-capacity front loading glassware washer to meet the needs of medium-size facilities.

This unit is capable of injection washing and drying up to 3 baskets at 4 different levels, providing maximum flexibility through multiple chamber configurations depending on the height of loaded items.

Thanks to an intelligent use of space with the SmartLoad system, capacity has been increased by more than 50% when compared to the previous model.

With a variable-speed pump, circulation pressure and water consumption is optimized to individual loads.

Steelco laboratory washers offer versatility, safety, high performance, and process traceability with low total life costs.

Capacity up to 192 pieces of 100 ml bottles!



LAB 610 G2

Up to 3 baskets (on telescopic runners) at 4 different levels
Chamber volume 270 litres
Load volume 241 litres

Key Advantages
a Winning Combination



Eco Friendly Efficiency

Steelco laboratory washers are engineered to offer best-in-class solutions for reducing energy and water consumption, giving users the lowest operating costs per load.

Optimized Process Speed

Our focus is to provide customers with the fastest possible washing processes depending on the amount and type of soil. Check LAB 610 G2 options for time and energy saving

Flexibility, Control & Connectivity

The high-quality colour touch display, in combination with Wi-Fi and Ethernet connection, ensures intuitive operator interaction and excellent control over the entire process. In addition, SteelcoData Live allows remote visualisation of both real-time and historic device performance data.





Easy Plug & Play Installation

Despite its large capacity, the LAB 610 G2 is a compact and “plug and play” device needing just an electrical supply, water inlets, and a drain connection.

It is designed to overcome architectural limitations such as door passages or lifts with a plinth on rollers for easy transfer and positioning.

Loading Configuration Flexibility

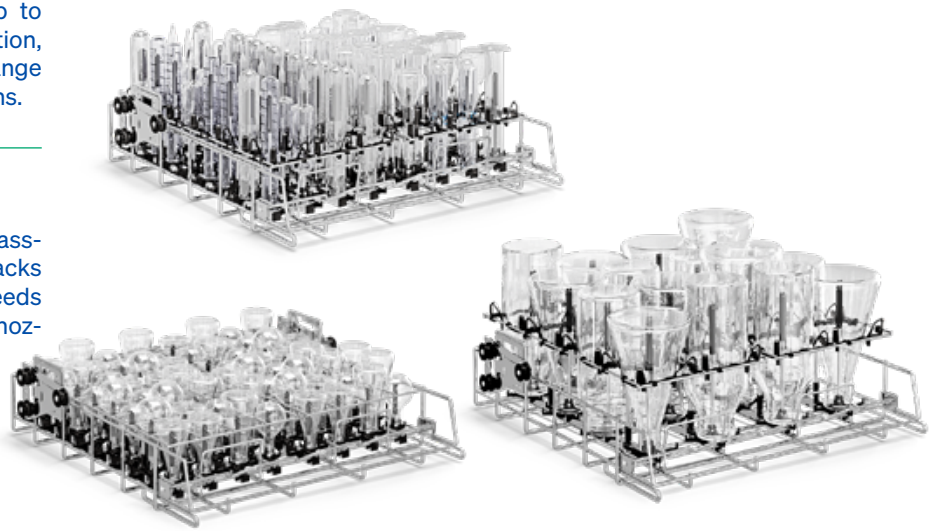
Maximum flexibility is combined with intuitive use.

The improved SmartLoad Plus system allows more flexibility with the availability of up to three loading levels simultaneously. In addition, loading is made fast and easy with a wide range of standard and configurable loading options.

Washing Carts Customizable

Whether you need to wash small or large glassware, or a combination of both, loading racks can be configured to meet your specific needs with modules ranging from 8 to 32 injector nozzles.





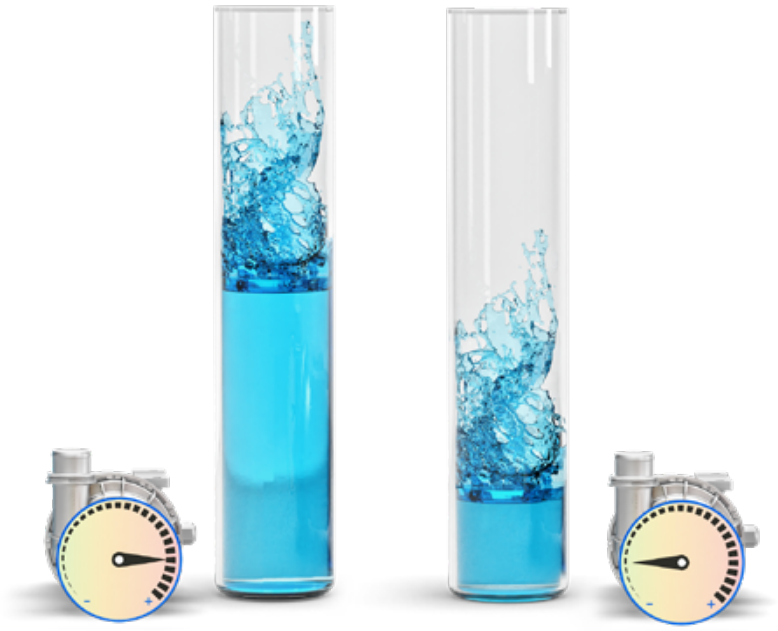
Efficiency & Sustainability
Coming Together

Unrivalled levels of efficiency, Reduction of energy and water consumption with the lowest operating costs per load.

The variable speed pump adjusts circulation pressure (maximum performance when needed) and water consumption (water conservation when possible). Washing performance is therefore always optimal and can be accurately monitored via a pressure transducer.

Speeding up the cycle while saving time and energy

Thanks to the availability of the Fast Cycle option's preheated tank, it is possible to save time and to have reprocessed items available sooner without diminishing process quality. The heating-up time of the final rinse phase can be reduced by 80% in average use conditions.



Main Wash

maximum washing performance
with thorough and fast cleaning

Rinse Phase

safe rinse performance with
reduced water consumption

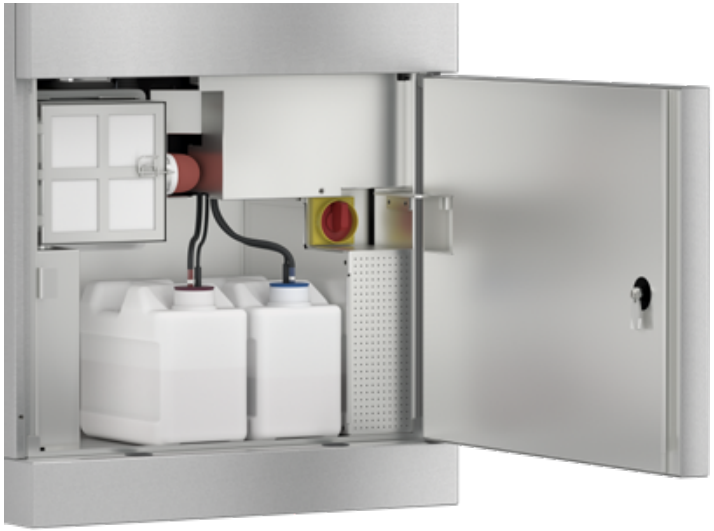
Top quality materials, devices made to last

Chamber, spray arms, and sump filters are made from high-grade, electro-polished stainless steel AISI 316 L; a guarantee for cleanliness, long-term reliability, and easy recycling of the product at the end of its life.

The structural frame of the LAB 610 G2 is made of high quality stainless steel to ensure longer life.

Forced, filtered air drying

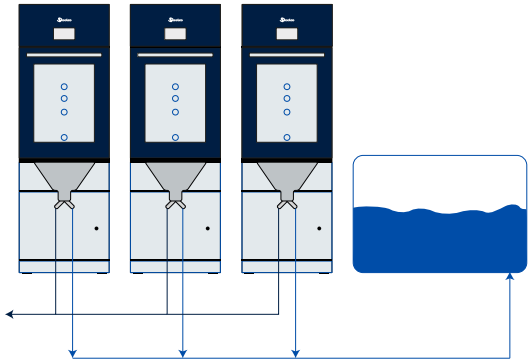
Forced and hot air drying allows for perfectly dry goods. A HEPA H14 filter unit ensures contamination-free results. The optional humidity sensor ensures that goods are dried efficiently with the minimum time and energy necessary.



Efficient water recycling

As natural resources are becoming increasingly valuable, Steelco helps reduce water consumption by an additional 30%. The “two-way drain” option allows for recycling the final rinse water into an external tank for subsequent reuse by the same or other devices.

Alternatively water can be collected for treated by dedicated purification plants.





Summary of Efficiency & Sustainability options

Preheating Tank 1 - Two-way drain for water recycling system

Dynamic drying - Steam condenser





Flexibility & Control
Coming Together

The large 7” touchscreen control panel (on both sides for double door devices) facilitates device control with bright, easy-to-read information even from a distance: an intuitive and practical aid for operators in their daily tasks. In addition, the well-thought-out and user-friendly design is consistent throughout the portfolio of Steelco devices, supporting intuitive operation and reliable processes.

A user-friendly interface

The large 7” touch screen control panel facilitates device control with bright, easy-to-read information even from a distance. Operators are supported at every step with clear and intuitive commands.

User access levels

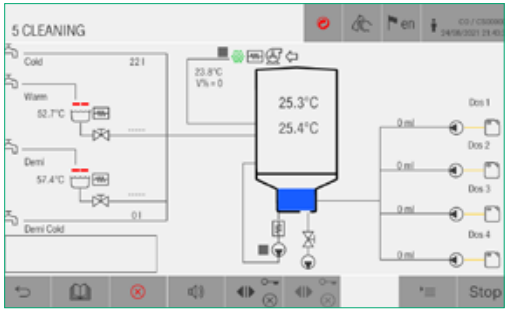
Five levels of access ensure that only trained staff have access to specific functions: operator, department manager, service technician at the customer’s site, authorized service technician, and manufacturer.

Technical service mode

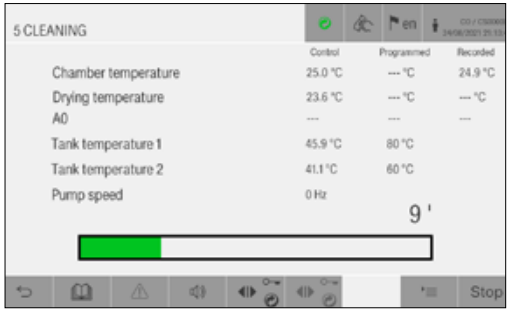
The washer is designed with few components to streamline maintenance. An easy-to-read synoptic panel allows for an in-depth overview of component status of the device, speeding up service interventions.

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.



Easy-to-read synoptic panel



Highly visible cycle status and alarm messages.

Connectivity Made Simple

Seamless Connectivity and Smarter Workflows

Wi-Fi and Ethernet connections are standard for machine performance and cycle data collection via traceability software. In addition, a USB port allows the download of raw cycle data, washing programs, parameters, and machine software updates. The LAB 610 G2 is natively ready to connect with a cloud environment.

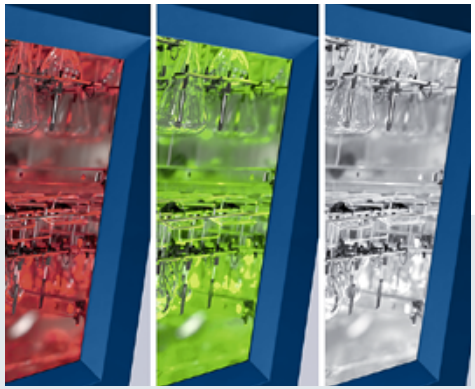
Cycle traceability software

A web-based software enables to view in real-time machine performance, cycle data, and alarms with historical records.

Software features:

- Stores utility consumption when available from devices
- Device cycle and alarm monitoring and data management with different authorisation levels
- Reliable information and data entirety
- Real-time analysis
- Can be integrated with other client software systems







I'm ready!

Device status and availability are clearly shown by the change of colour of the chamber light. White: cycle in progress - Green: process completed OK - Red: alarm active

Small Footprint & Easy Installation
Coming Together

With a small footprint, the LAB 610 G2's high capacity does not affect a department's space. The simplified "plug and play" installation just needs flexible connections to the electrical main, water inlet and drain.



Flexibility in configuration

Depending on the utilities available, Steelco LAB 610 G2 can be configured for:

electrical heating

indirect external steam heating reducing overall electrical power supply need

mixed heating allowing switching from steam to electrical heating as a backup solution

An optional built-in water softener can be added in case of poor incoming water quality or busy laboratories.

The washer is suitable for vented or not vented installation with steam condensing options.

Flexibility in after sale options

Steelco offers retrofit kits to this range of devices to adapt to customer needs:

- Analog pressure transducer to record water circuit pressure
- Conductivity sensor for monitoring final rinse water
- Drain pump to match with high or remote drains
- Drying phase controlled by humidity sensor
- ...and much more

Minimized service requirements

Device's maintenance is highly simplified and cost-effective. Access for service is fully frontal via the hinged door which opens completely.
This grants access to all the components and streamline maintenance. LAB 610 G2 is equipped with wheels for fast and easy positioning.



High Capacity & Flexibility
Coming Together

Make the most of your laboratory capacity.
The new LAB 610 G2 optimise handling and the use of chamber space.

SmartLoad Plus

SmartLoad Plus system allows the use of up to three baskets on telescopic runners which can be flexibly positioned and connected to the water circuit at four different levels. This allows various loading combinations to accommodate a variety of different goods.
All baskets can be used on any level. The differentiation between baskets which run on the open door and ones on telescopic runners now no longer applies.

Telescopic racks on all levels guarantee greater loading flexibility. Vertical clearances depend on which baskets are used, their position and height of the load (see table on page 18).







C1832 with spray arm, for optimum loading of inserts. For use on levels 2 to 4.
Loading surface: W 507 mm, D 545 mm



C1833 without spray arm, for optimum loading of inserts. For use on level 1 only.
Loading surface: W 507 mm, D 545 mm

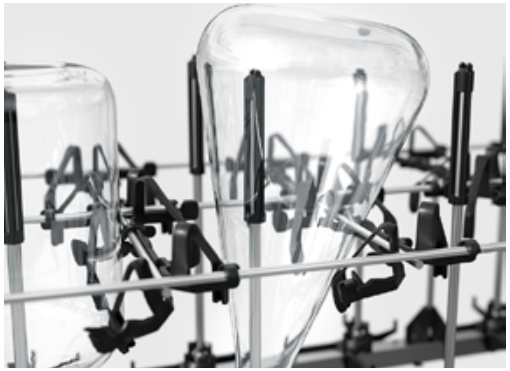


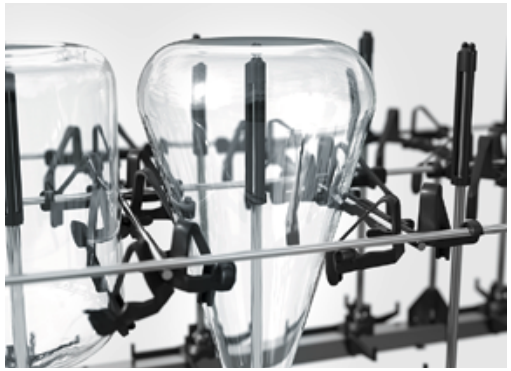
C1834 with two docking connections for up to 2 injector modules or inserts. Automatic closing of the connections when not in use. For use on all levels.
Loading surface: W 507 mm, D 520 mm

Simple Load System

Glassware Loading Has Never Been so Simple

Glassware loading is flexible and intuitive thanks to new injection nozzles, new plastic supports, injection modules and support grid, increasing the laboratory washer's load capacity.





Glassware positioning is easy, quick, and self centring.



During the wash cycle, the supports ensure the best cleanliness avoiding alterations to the glassware, such as scratches.

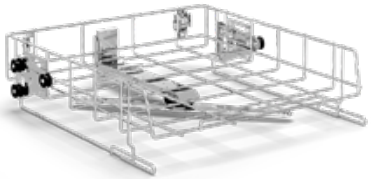


Support for nozzles that help you to maximize the load height, increasing your available space inside the chamber.



Washing baskets
Configurations

All baskets used on the laboratory washer LAB 610 G2 can be fitted with the following inserts:



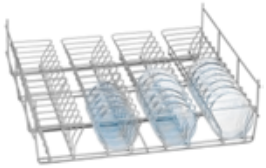
C1832 For use on levels 2 to 4



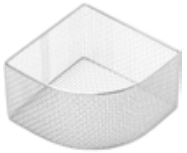
C1833 For use on level 1



E 402
insert 1/2 for optimum loading of up to 44 watch glasses Ø 80 - 125 mm. Equipped with 23 bars spaced 15 mm apart



E 136
insert 1/1 for optimum loading of 56 half petri dishes with Ø 100 mm. Equipped with 56 holders, height 70 mm, distance apart approx. 26 mm



Insert for loading test tubes
E103/1 up to 75 mm height
E104/1 up to 105 mm height
E105/1 up to 165 mm height
E139/1 up to 200 mm height



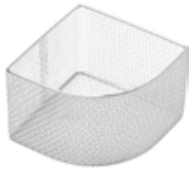
E144
insert for up to 18 beakers
445 x 200 x 131h mm



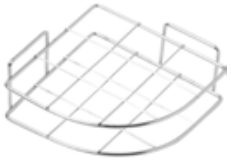
E 403
insert 1/2 for optimum loading of up to 105 watch glasses Ø 50 - 60 mm. Equipped with 36 bars spaced 9 mm apart



E 137
insert 1/1 for E 136
for optimum loading of 56 half petri dishes with Ø 100 mm. Equipped with 56 holders, height 70 mm, distance apart approx. 26 mm



E149
Insert - suitable for 80 test tubes up to 16 x 105 mm.



Insert for loading of wide-necked Erlenmeyer flasks and measuring cylinders
E109 up to 250 ml
dim. 460 x 230 x 155h mm
E110 from 250 to 600 ml
dim. 460 x 230 x 175h mm
E111 from 600 to 1.000 ml
460 x 230 x 205h mm



E 149
insert 1/4, for 80 test tubes up to 16 x 105 mm, 80 compartments. Mesh width on the base 8 x 8 mm



E 118
insert 1/1 for the optimum loading of 38 half petri dishes with Ø 100 mm. Equipped with 38 holders, height 70 mm, distance approx. 26 mm



E 494
insert 1/2 for the gentle holding of 5 microtiter plates



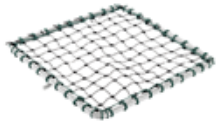
A 14/1
lid for fixing delicate wash items. Stainless steel, 7 x 7 mm perforations, 3 mm slat



Insert for loading of wide-necked Erlenmeyer flasks and measuring cylinders
E106 195 x 186 x 180h mm
E106/1 445 x 220 x 110h mm
E106/2 445 x 220 x 186h mm



E134
insert for optimum loading of for optimum loading of up to 210 slides.
445 x 200 x 73h mm



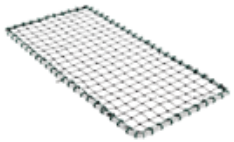
A 3
cover net 1/4, plastic coated metal frame with plastic netting



AK 12/1
insert 1/2 suitable for beakers, funnels, breast milk pumps, for example. With flexible handles



A 320
insert for the gentle cleaning of delicate load items by interrupting the water jet. Perforations 7 x 7 mm



A 2
cover net 1/2, for fixing delicate wash items. Plastic coated metal frame with plastic netting

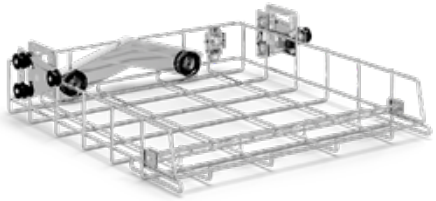


A 321
insert suitable for beakers, funnels, breast milk pumps, for example. With flexible handles



Washing Baskets
Configurations

C1834 basket used on the laboratory washer LAB 610 G2 can be fitted with the following modules.



C1834 For use on levels 1 to 4



A 313
for reprocessing bulky laboratory glassware items using A 846, A 847 and A 848 injector nozzles:
- Laboratory bottles
- Round flasks
- Erlenmeyer flasks
- Measuring cylinders



A 306/1
for laboratory glassware, in particular large measuring cylinders
Capacity: four 1-2 l tall measuring cylinders. Suitable for two 1-2 l short measuring cylinders, and 2 tall measuring cylinders



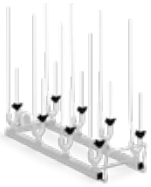
C1846
ideal for large-volume glassware, bottles up to 50 l.



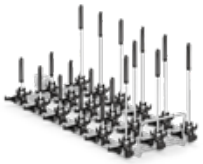
A 301/4
module 3x6 (w/o nozzles)



A 861
holder frame 3x6



A 312
for reprocessing up to 8 viscometers
With 8 x A 867 special nozzles.
Nozzle spacing 118 mm across width, 118 mm across depth



A 301/5
module 3x6 for Erlenmeyer flasks, round flasks, laboratory bottles, measuring flasks, and measuring cylinders (50 - 250 ml)
9 x A 842 injector nozzles
9 x A 843 injector nozzles



A 300/2
module 2x4 (w/o nozzles)



A 302/2
module 4x8 (w/o nozzles)



A 300/3
module 2x4 for Erlenmeyer flasks, round flasks, laboratory bottles, measuring flasks and measuring cylinders (250 - 1000 ml)
4 x A 840 injector nozzles
4 x A 841 injector nozzles



A 302/3
module 4x8 for Erlenmeyer flasks, round flasks, laboratory bottles, measuring flasks, and measuring cylinders (25 - 100 ml)
16 x A 844 injector nozzles
16 x A 845 injector nozzles



A 303
suitable for 98 measuring and full pipettes



A 860
holder frame 2x4



A 862
holder frame 4x8



A 304
for 98 tubes, e.g. centrifuge tubes, phials, tests





Injector Nozzles
& Components

SD-B
for butyrometers
length 240 mm



A 844
Ø 2.5,
length 80 mm



A 842
Ø 4,
length 90 mm



A 845
Ø 2.5,
length 125 mm



A 840
Ø 6,
length 130 mm



A 843
Ø 4,
length 185 mm



A 841
Ø 6,
length 210 mm



A 847
for Erlenmeyer flasks, max. 5 l
Nozzle length: 127 mm,
Ø 10 mm, Ø of hexagonal
support: 142 mm



A 848
for laboratory bottles, max. 10
l, and round flasks, max. 6 l
Nozzle length: 350 mm. Total
length with support:
158 mm, Ø 10 mm



E 336
irrigation sleeve



E 362
blanking screw



A 846
for laboratory bottles, max. 10
l, and round flasks, max. 6 l
Nozzle length: 127 mm.
Total length with support:
158 mm, Ø 10 mm

Capacity and Dimensions
Layouts and Configurations

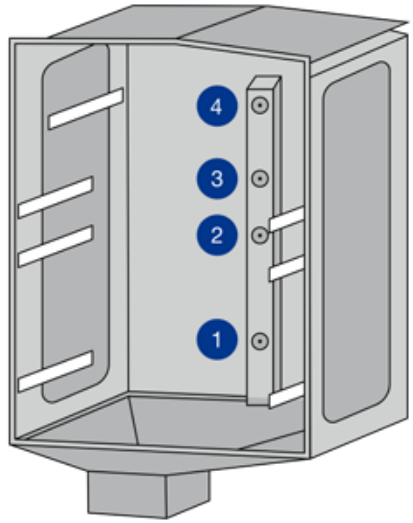
Model	Chamber (WxDxH) - mm			Litres	Overall (WxDxH) - mm		
Single door							
LAB 610 G2	570	609	728	253	650	700	1940

Loading height: 850 mm above finished floor.



Configurable positions

	Reprocessing with spray arm (3 levels)		Reprocessing with spray arms (2 levels)		Blended reprocessing with spray arm and injector nozzles (3 levels)	
	Basket	Load height [mm]	Basket	Load height [mm]	Basket	Load height [mm]
Level 4	C1832	158 ± 30	-	278 ± 30	C1832	158±30
Level 3	-	178 ± 30	C1832		-	244 ± 30
Level 2	C1832		-	354 ± 30	C1834	
Level 1	C1833	234	C1833		C1834	210



	Reprocessing with injector nozzles (3 levels)		Reprocessing with injector nozzles (2 levels)		Reprocessing with spray arm or injector nozzles (1 level)	
	Basket	Load height [mm]	Basket	Load height [mm]	Basket	Load height [mm]
Level 4	C1834	224	-	344	-	-
Level 3	-	220	C1834		-	
Level 2	C1834		-	330	-	
Level 1	C1834	210	C1834		C1833 C1834	690

Maximized performance
with SteelcoBelimed's experts

Global service support

With a global network of certified service technicians and trusted partners, SteelcoBelimed delivers fast, reliable, and locally available technical support to ensure uninterrupted performance of your critical equipment. Whether it's routine maintenance, emergency service, or performance optimization, we respond with precision and speed.

Certified technical training

Our certified technical training held in our Academies worldwide combines classroom and hands-on learning to equip your team with the skills to operate, maintain, and troubleshoot equipment. Small class sizes ensure personalized instruction, and participants receive a certificate upon completion - boosting capabilities and minimizing downtime.

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Innovate with confidence

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The products and technical specifications are subject to change without prior notice. Please contact your SteelcoBelimed dealer for the latest information.

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