

# Undercounter Glassware Washer for Small and 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.

## Sustainability



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

## Reliability

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

# Undercounter Glassware Washer for Small and Mid-Size Laboratories

A complete range of undercounter glassware washers for the reprocessing needs of laboratories and research facilities.

Each model ensures outstanding cleaning performance and offers dedicated drying systems suitable for various types of laboratory glassware.

Glassware loading is flexible and intuitive thanks to the Simple Load System



## LAB 5010

with **Eco drying**  
60 cm width,  
stainless steel or glass door

## LAB 5011

with **Active drying**  
60 cm width,  
stainless steel door

## LAB 5020

with **Active drying**  
90 cm width,  
glass door



## The Expert for the Experts



Designed for maximum performance, flexibility, and sustainability, our new range of laboratory glassware washers delivers outstanding cleaning and drying results across all laboratory applications.

With intuitive operation, and a modular loading system, these units offer unmatched efficiency, long-term reliability, and seamless integration into modern laboratory workflows.

### Reliable Quality for Perfect Results

Ensures analytically pure cleaning and drying of laboratory glassware at the highest level, with outstanding and effective cleaning performance even at high capacities.

The variable-speed heater pump adjusts the wash pressure to provide optimal results: high pressure removes stubborn soiling, while low pressure wets the glassware evenly and conserves resources.

### Advanced Drying Options for Glassware

To meet all the requirements of laboratory glassware cleaning, the flexible SimpleLoad accessory system makes cleaning considerably faster, simpler and more efficient.

When it comes to drying, our glass washer offers options such as the AutoOpen function and Eco and Active drying.



### Ready, Set, Go!

Optimised commissioning and service-friendly positioning of relevant components.

## Efficiency & Smooth Usability a Winning Combination



### Enhanced Efficiency & Durability

Outstanding cleaning performance thanks to variable-speed pump, the highest possible degree of process reliability thanks to sensor technology and hygiene thanks to gap-free washing chamber and multi-stage filter system.

Engineered for longevity, with a guaranteed operational lifespan of 15,000 hours and spare parts support for 15 years ensuring your investment empowers your daily practice for years to come.



### Effortless Operation

User-friendly colour touch display offers intuitive navigation, quick access to favourite programmes, and a **clear status overview**. Multi language interface with quick language switching even during operation and **on-screen how-to guides**.

**AutoClose function:** a light touch is all it takes for the door to close automatically.

**Chamber lighting** simplifies loading, while the models with glass door with viewing window allow real-time monitoring of the cleaning process.



# Performance & Sustainability

## Coming Together

Whether you're cleaning delicate glassware or managing high-volume laboratory workflows, this range sets new standards in washing performance, intuitive operation, and sustainable resource management.



### Advanced Drying Options

**Eco drying:** ideal for standard glassware, it reduces energy consumption while ensuring gentle and reliable drying. A standard feature of the LAB 5010 model.

The automatic door opening at the end of the cycle allows residual moisture to escape naturally, accelerating the drying process.

**Active drying:** powerful hot-air drying with a HEPA 13 filter guarantees fast and thorough drying—ideal for high-throughput laboratories and complex glassware. A standard feature of the LAB 5011 and LAB 5020 models.

Filter maintenance is made easy via a cover on the front area of the plinth.

### Sustainability in Focus

Optimised for resource efficiency:

- Application-specific, economical wash cycles
- Short programme times
- Integrated dosing pump for precise, automatic detergent dosing.

This results in reduced consumption of water, energy, and cleaning agents, supporting environmentally conscious operation.



### We Understand your Needs

Courtesy lights illuminate the load and help in difficult light conditions

# Optimized Loading, Superior Results

## Analytical Cleanliness of your Laboratory Glassware



### High Capacity

For the safe and effective reprocessing of laboratory glassware, the range of load carriers – including upper and lower wash carts, load trolleys, and inserts – is designed to accommodate a wide variety of glassware formats. These carriers make optimal use of the chamber space, enabling more glassware and accessories to be processed per cycle.

### Greater Efficiency



Another key benefit is the efficient circulation of water and air: both the cleaning medium and drying air are delivered directly to the spray arms and injector systems via short pathways, ensuring maximum effectiveness.

Automatic closure of the coupling valves when not in use further supports ideal pressure conditions.



### Perfect Overview

Thanks to the optional glass door and chamber lighting, the cleaning process is even easier to monitor.

# One Machine, Endless Possibilities

## Customizable Configurations with a Wide Range of Accessories

### Basic

For everyday glassware cleaning with standard loads.

- A 101 Upper wash cart with spray arm
- 2x AK 12/1 Insert
- A 150 Lower wash cart for injector modules
- A 300/3 Injector module equipped with 8 injector nozzles
- A 860 Retaining grid for A 300/3
- A 301/5 Injector module equipped with 18 injector nozzles
- A 861 Retaining grid for A 301/5



### High Performance

Best for large batches and complex setups requiring maximum capacity.

- A 100 Upper wash cart for injector modules
- 2x A 302/3 Injector module equipped with 32 injector nozzles
- 2x A 862 Retaining grid for A 302/3
- A 150 Lower wash cart for injector modules
- A 300/3 Injector module equipped with 8 injector nozzles
- A 860 Retaining grid for A 300/3
- A 301/5 Injector module equipped with 18 injector nozzles
- A 861 Retaining grid for A 301/5



### Large Laboratory Glassware

Designed for bottles and round-bottom flasks, ensuring secure positioning and thorough cleaning.

- A 150 Lower wash cart for injector modules
- 2x A 313 Module for processing large-volume laboratory glassware
- 4x A 846 Injector nozzle with support, for cleaning laboratory bottles and round-bottom flasks



### Measuring Cylinders

Perfect for tall, narrow vessels where precision matters.

- A 150 Lower wash cart for injector modules
- 2x A 306/1 Module for optimal accommodation of large-volume laboratory glassware



### Pipettes and Other Laboratory Glassware

Safely accommodates up to 98 pipettes for complete internal cleaning.

- A 150 Lower wash cart for injector modules
- A 303 Module for optimal accommodation of up to 98 pipettes
- A 301/5 Injector module for optimal accommodation of laboratory glassware – equipped with 18 nozzles
- A 861 Retaining grid for injector modules A 301/4 and A 301/5



### Sedimentation Vessels

Ideal for Imhoff cones and similar items, guaranteeing full coverage.

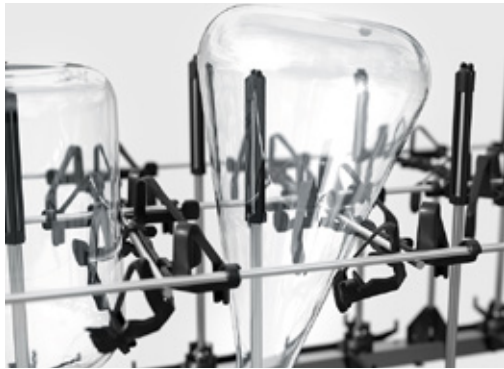
- A 150 Lower wash cart for injector modules
- 2x A 300/2 Injector module for optimal accommodation of laboratory glassware – can be equipped with 8 nozzles
- 2x APLW 870 Injector nozzle set with support, for cleaning sedimentation vessels (Imhoff cones)



## 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 Carts Customizable

### Flexible Solutions for Every Glassware Size

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.



# Wash Cart

## Injector Modules

### A 100

Upper wash cart  
For the optimum loading  
of injector modules or inserts.



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



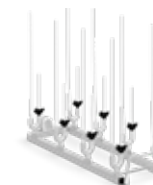
**A 301/4**  
module 3x6 (w/o nozzles)



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

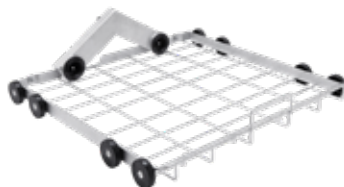


**A 312**  
for reprocessing up to 8 visco-  
meters  
With 8 x A 867 special nozzles.  
Nozzle spacing 118 mm across  
width, 118 mm across depth



### A 150

Lower wash cart  
For the optimum loading  
of injector modules or inserts.



**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 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 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



### Vertical clearance combinations:

|      |               |
|------|---------------|
| A100 | 240 mm        |
| A101 | 265 +/- 30 mm |
| A102 | 225 +/- 30 mm |
| A103 | 305 mm        |



**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 par-  
ticular large measuring cylinders  
Suitable for 4 1-2 liter measuring  
cylinders, high shape.

**A 860**  
holder frame 2x4



**A 861**  
holder frame 3x6



**A 862**  
holder frame 4x8



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

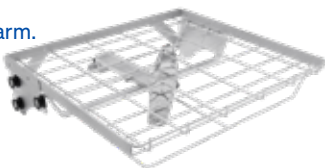


# Wash Carts Configurations

## A 103

Top wash cart with integrated spray arm.  
For the optimum loading of inserts.

**Vertical clearance:**  
95 mm

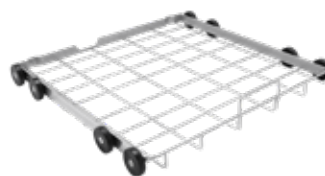


## A 151

Lower wash cart

**Vertical clearance combinations:**

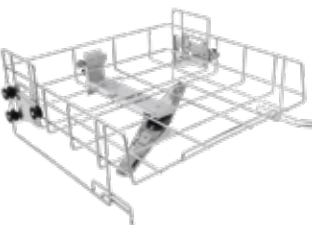
|      |               |
|------|---------------|
| A100 | 240 mm        |
| A101 | 265 +/- 30 mm |
| A102 | 225 +/- 30 mm |
| A103 | 305 mm        |



## A 101

Top wash cart - height adjustable  
with integrated spray arm.

**Vertical clearance:**  
160 +/- 30 mm



## A 202

Wash cart for inserts  
It can be used in combination with  
the A 103 upper wash cart

**Vertical clearance:**

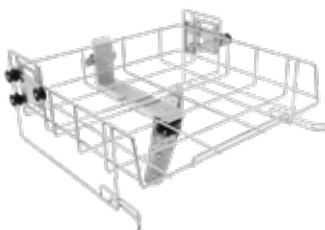
|                            |        |
|----------------------------|--------|
| Level 2                    | 135 mm |
| Level 1 without the grille | 135 mm |
| Level 1 (bottom)           | 95 mm  |



## A 102

Top wash cart - height adjustable  
with integrated spray arm.

**Vertical clearance:**  
205 +/- 30 mm

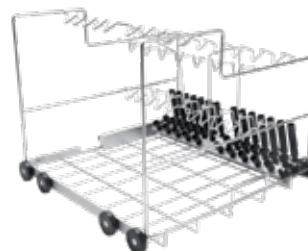


## A 200

Wash cart for the optimum loading of pipettes.

### Capacity

- for 10 100 ml pipettes in row 1,  
distance 20 mm
- for 14 25 ml pipettes in a 2nd row,  
distance 26 mm
- for 14 10 ml pipettes in a 3rd row,  
distance 26 mm



# Inserts



**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 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 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

Stackable



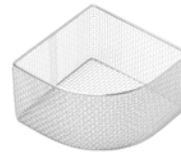
**E 136**  
insert 1/1 for optimum loading of 56 half petri dishes with Ø 100 mm. Equipped with 56 holders, height 70 mm, distance apart approx. 26 mm



**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



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



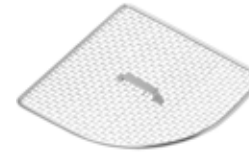
Insert for loading test tubes  
**E103/1** up to 75 mm height  
**E104/1** up to 105 mm height  
**E105/1** up to 165 mm height  
**E139/1** up to 200 mm height



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



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



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



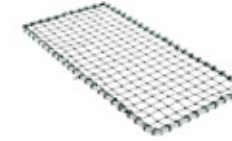
Insert for loading of wide-necked Erlenmeyer flasks and measuring cylinders  
**E106** 195 x 186 x 180h mm  
**E106/1** 445 x 220 x 110h mm  
**E106/2** 445 x 220 x 186h mm



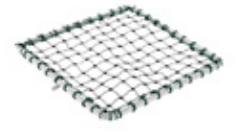
**E134**  
insert for optimum loading of for optimum loading of up to 210 slides. 445 x 200 x 73h mm



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



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



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



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



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

# Stands, Transfer Trolleys & Components for Storage

## UG 30-60/60-85/1

Plinth, closed to raise the machine, 60 cm deep, 60 cm wide



## UG 30-90/60-85/1

Plinth, closed to raise the machine included side cabinet, 60 cm deep, 90 cm wide



## UG 70-60/80/1

Underframe with door for ergonomic loading and unloading of the glassware washer - height 70 cm



## MC/2

Transport trolley



## PG 8596

Cabinet for chemicals and dispenser modules. Capacity: Top level: 3 x 5 L Lower level: 3 x 5 L or 2 x 10 L



# Dimensions & Configurations

| Model    | Height | Depth  | Width  | Door type               | Drying type |
|----------|--------|--------|--------|-------------------------|-------------|
| LAB 5010 | 820 mm | 598 mm | 598 mm | Glass   Stainless steel | Eco         |
| LAB 5011 | 820 mm | 598 mm | 598 mm | Stainless steel         | Active      |
| LAB 5020 | 820 mm | 598 mm | 898 mm | Glass                   | Active      |

# 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



**E 336**  
irrigation sleeve



**E 362**  
blanking screw

Suitable for A 313 Module



**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



**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

# Maximized performance with SteelcoBelimed's experts

---

## Service Plans

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

---

## SteelcoBelimed Academy

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

---

## Total Cost of Ownership (TCO) Contracts

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

---

## Digitalization in Service Operations

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

**SteelcoBelimed**  Group Member

Innovate with confidence