# Getinge Lancer Ultima series labware washing systems – effective, sustainable and space efficient

### High perfomance in a compact footprint

From quality control to general laboratory research, Getinge Lancer Ultima series washers deliver high performance in a compact footprint. High density loading demands fewer cycles. Efficient use of water, detergents and rinsing agents minimizes the environmental impact. Energy saving construction lowers total cost of ownership.

The exclusive Prolux programmable microprocessor controller commands a full range of prewash, wash, rinse and drying functions through simple touchscreen menus on all Ultima series washers. The

convenience of five preset programs for light to heavy loads simplifies operation, while more complex programs can be customized whenever needed to meet specific applications.





#### **Key features:**

- The high temperature cleaning process is managed with programmable cycles.
- High efficiency powerful fluid circulation with a direct fluid path and rear manifold connections deliver optimal pressure and flow rates.
- The Exclusive Prolux controller displays easy access to preset and custom programmed cycles.
- Injector jets provide inside out wash and rinse functions.
- Automatic chemical dosing pumps, with liquid sensors, are standard on all models.

- Preset or user programmable cycles permit multiple combinations of prewash, wash, rinse, acid rinse, purified final rinse, and forced air or HEPA filtered forced air dry.
- Top and bottom stainless steel spray arms are pressurized to provide exterior coverage to the labware.
- The sump, spray arms, interior chamber walls are fabricated from 316L stainless steel to resist aggressive chemicals and residues.

This document is intended to provide information to a North American audience.



# Undercounter

## precision meets space efficiency



810 LX



815 LX with side chemical cabinet (accessory)

Model	Interior dimensions W x H x D	<b>Exterior dimensions</b> W x H x D
810 LX	21.1" x 19.6" x 20.5" 535 x 498 x 520 mm	23.6" x 33.5" x 29.1" 600 x 850 x 739 mm
With side chemical cabinet (accessory)	21.1″x19.6″x20.5″ 535x498x520 mm	35.4″x33.5″x29.1″ 900x850x739 mm
<ul> <li>No drying</li> <li>2 wash levels</li> <li>3.5" color touchscreen interface</li> </ul>		

- Prolux PLC controller

Model	Interior dimensions W x H x D	<b>Exterior dimensions</b> W×H×D
815 LX	21.1" x 19.6" x 20.5" 535 x 498 x 520 mm	23.6" x 33.5" x 29.1" 600 x 850 x 739 mm
With side chemical cabinet (accessory)	21.1″x19.6″x20.5″ 535x498x520 mm	35.4″x33.5″x29.1″ 900x850x739 mm
Forced-air drying, chamber     Optional: forced-air drying, injectors, HEPA filtered		

2 wash levels

• 3.5" color touchscreen interface

- Prolux PLC controller

# Freestanding

## - high capacity with a small footprint

910 LX	1300 LX	1400 LXP	1600 LXP	1600 LXP/HE

Model

Model	Interior dimensions W x H x D	Exterior dimensions WxHxD	
910 LX	21.1" x 21.4" x 20.5" 535 x 544 x 520 mm	24″ x 58.4″ x 29.6″ 609 x 1483 x 752 mm	
Forced-air drying, injectors, HEPA filtered     2 wash levels     3.5" color touchscreen interface     Projux PLC controller			

- Prolux PLC controller

Model	Interior dimensions W x H x D	<b>Exterior dimensions</b> WxHxD
1300 LX	21.1″ x 25.4″ x 20.5″ 535 x 644 x 520 mm	24" x 64.7" x 29.6" 609 x 1643 x 752 mm
Forced-air drying, injectors, HEPA filtered     3 wash levels		

• 3.5" color touchscreen interface

- Prolux PLC controller

Model	Interior dimensions WxHxD	<b>Exterior dimensions</b> WxHxD	
1400 LXP	24.6" x 30.4" x 24.8" 626 x 773 x 629 mm	31.1" x 68.2" x 31.8" 789 x 1731 x 808 mm	
<ul> <li>Forced-air drying, injectors, HEPA filtered</li> <li>3 wash levels</li> <li>7" color touchscreen interface</li> <li>Prolux Plus PLC controller</li> </ul>			

	WxHxD	WxHxD
1600 LXP	27.7" x 33.8" x 26.7" 703 x 858 x 678 mm	34.1″ x 71.4″ x 33.8″ 866 x 1814 x 858 mm
<ul> <li>Forced-air drying, injectors, HEPA filtered</li> <li>4 wash levels</li> <li>7" color touchscreen interface</li> <li>Prolux Plus PLC controller</li> </ul>		
Model	Interior dimensions	Exterior dimensions

Interior dimensions Exterior dimensions

Model	Interior dimensions W x H x D	Exterior dimensions WxHxD	
1600 LXP/HE	27.7″ x 41.3″ x 26.7″ 703 x 1048 x 678 mm	38.4″ x 78.5″ x 33.8″ 975 x 1995 x 858 mm	
<ul> <li>Forced-air drying, injectors, HEPA filtered</li> <li>4 wash levels</li> <li>7" color touchscreen interface</li> </ul>			

- Prolux Plus PLC controller

## Loading wash racks

- A wide variety of standard inventory baskets and injector racks are available to meet most needs.
- All racks are interchangeable between upper and lower levels to assure maximum flexibility while limiting the number of accessories required.
- Most common racks are interchangeable between models 810 LX-1300 LX.

See the freestanding or undercounter brochure for details.





## **Bioreactor preparation solution**

- consistent processes deliver repeatable results

A solution to prevent cross-contamination, minimize any research downtime and ensure validated outcome through optimal processes and procedures.

This dedicated wash rack, for the Getinge Applikon multi-use bioreactors, establishes a highly reproducible system with significant benefits such as:

- Free-up resources to increase laboratory throughput and minimize downtime
- Decreasing operational labor costs compared to manual cleaning processes
- Improving staff safety

Getinge Applikon Bioreactors in place, multi-use, 0.26-0.79 gal (1-3 liter)



Getinge Lancer Ultima model 910 LX freestanding labware washer

## **Getinge Lancer Cleaning Chemicals**

- cleaning capabilities for various types of laboratory soils

Getinge Lancer Cleaning Chemicals includes LancerClean Detergent (LCD-P, LCD-S, LCD-H) and LancerAcid Rinse (LCA-A, LCA-C, LCA-P) providing an efficient and reliable cleaning process.







