

# Labexia 820 LX

Undercounter Laboratory Glassware Washer Dryer



***Big washer for small spaces!***



## FRIENDLY MICROPROCESSOR CONTROL

**Easy selection of 6 standard washing programs**, for chemistry glassware, bacteriology/virology (high temperature), heavily soiled glassware (i.e. agar) and volumetric flasks, plus two free additional programs.

**Adjustable parameters:** program phases, temperature, phase time, chemical intake time, drying temperature... can be easily modified by the user (password protection).

**Self diagnostic alarms:** the microprocessor constantly checks for critical parameters and the source of alarms is indicated on display in case of anomalies.



## LOADING HAS NEVER BEEN SO EASY!

**Two independent washing levels:** LANCER unique chamber design allows automatic connection of independent loading accessories (basic baskets, injector baskets,...). Racks are interchangeable among levels thus allowing the glassware to determine the load positions. If you already own a LANCER washer, you will be able to use the same baskets.



**Telescopic rails:** Rails are full load bearing in the extended position allowing the operator ease of use to load and unload the washer.

## CUSTOMISED OPTIONS



**Condenser option** will prevent condensation from the exhaust of the washer from damaging the surrounding lab casework when installing the machine in undercounter position.

**Plinth option** will raise the loading level of the 820LX at 750 mm. (29,52") and will allow extra storage space under the chamber.

**Door lock option** will prevent the door to be opened during operation.

**Drain temperature cool down option** will cool down the waste water under 60°C (140°F).

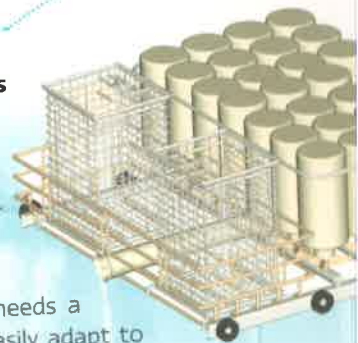


## MULTIPLE LOADING ACCESSORIES

**Starter kit:** we have designed a **versatile accessory with direct injectors (PS/27IXLC)** that will enable washing of all the glassware in the same batch (up to 27 narrow-neck bottles, open-mouthed glassware and test tubes), thus reducing the number of washing cycles.



**Wide range of accessories:** if your lab needs a higher throughput, the Labexia 820LX will easily adapt to your needs, as a myriad of accessories will enable you to work in two independent levels, wash pipettes, volumetric flasks, etc. LANCER has the accessory for your application.



## INJECTOR DRYING SYSTEM

**Complete and rapid drying** of the glassware:



- **outside:** chamber drying by hot air injection through the washing arms.
- **inside:** the air is directed into the hydraulic circuit and reaches the inside of the glassware through the injectors.

The built-in drying system eliminates the need for a separate drying oven and avoids double handling of glassware and all the related risks. The glassware is ready to use after the opening of the door.

**Optionally, a HEPA filtration** system can be fitted to this model, even after the washer is installed in the lab.

## STRONG AND EFFECTIVE DESIGN

**Superior construction materials:**

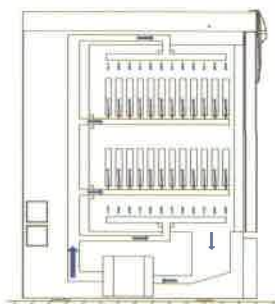
Chamber, door and frame, made of AISI-304L stainless steel. In the 820 LX side, rear and top 304L stainless steel panels are standard, thus it can be used as a self-standing unit without options.



**Easy installation.** The stainless steel side and rear panels are pre-cut, thus permitting utility connections (water, electricity, drainage) from the left, right, or rear.

## POWERFUL HYDRAULIC CIRCUIT

**The design of the hydraulic circuit** is important to guarantee the mechanical washing power when washing in multiple levels. LANCER washers and accessories are designed in such a way that the water flows very easily into the glassware, as the **water injection is done directly at each level.**



A 350 l/min. recirculating pump, protected from obstructions by a multiple filter system, ensures a powerful water flow.

**Stainless steel top and bottom washing arms** ensure the cleanliness of the external surfaces of the glassware.

## LANCER STRENGTHS

**Know-how:** LANCER is at the cutting edge in the development of washing solutions for the pharmaceutical (cGMP) arena, and equip the production and research facilities of the biggest pharmaceutical groups in the world. It is with the same level of expertise that we have developed our LABEXIA range for laboratories.

**Widest range of washers and accessories:** from the undercounter glassware washers up to the customised industrial models, LANCER has the widest range of washers and accessories available in the market.

## ON BOARD CHEMICALS STORAGE AND AUTOMATIC DOSING OF CHEMICALS

This undercounter model includes the stock of 2 chemicals containers within the machine.

**Two peristaltic pumps** automatically dose the liquid detergents and neutralisers during the cycle. The chemical intake time is preset, and user adjustable. Chemical products are thus maximized, and the handling dangers due to the use of powder detergents disappears. An **automatic liquid level detector** is provided as standard for two chemical containers.



TECHNICAL DATA & UTILITIES			
<b>OVERALL DIMENSIONS</b> (h x w x d) (mm) (h x w x d) (inch.)	845 x 900 x 680 33,26" x 35,43" x 26,77"	<b>DRAINING</b>	Waste pipe diam. 40 with siphon, 500 - 700 mm from the floor
<b>CHAMBER DIMENSIONS</b> (h x w x d) (mm) (h x w x d) (inch.)	508 x 535 x 510 20" x 21,06" x 20,07"	<b>TENSION</b> (EU / USA)	400 V x 3 / 400 V x 3 + N, 50 Hz 208 V x 3 / 208 V x 2, 60 Hz other electrical supplies available on request
<b>WASHING LEVELS</b>	2 Independent	<b>NET WEIGHT</b>	90 kg
<b>WATER CONSUMPTION</b> (approximate per operation, according to the baskets used)	12 l	<b>HEAT LOSS</b>	600 Kcal / h - 2380 BTU / h
<b>RECIRCULATING PUMP</b> (Flow rate)	350 l / min	<b>NOISE LEVEL</b>	≥ 65 dBa
<b>HEATING</b>	6 kW	<b>WATER SUPPLY</b> Softened cold water	Diam. 20/27, 20l /min 2-6 bars
<b>DRYING</b>	1,8 kW	Softened hot water	Diam. 20/27, 20l /min 2-6 bars
<b>TOTAL ELECTRICAL POWER</b>	7 kW	Distilled / Ro water	Diam. 20/27, 20l /min 2-6 bars

## Accessories



PS BASIC BASKETS



TE 1/3, TE 2/9, TE TALL BASKETS  
AND TH 1/3, TH 2/9, TH LOW BASKETS



BP BASKET FOR CULTURE DISHES



116 PPI BASKET FOR PIPETTES



20 IXL TALL INJECTORS BASKET



36 IXLC TALL AND LOW INJECTORS BASKET



48 IXC LOW INJECTORS BASKET



100 IXA LOW INJECTORS BASKET



PS/27 IXLC



27 IXC 1/2