



Wolflabs

Wolf Laboratories Limited

www.wolflabs.co.uk

Tel: 01759 301142

Fax:01759 301143

sales@wolflabs.co.uk



If the literature below doesn't answer all your questions, click these links to:

[Request details on an alternative product of the same type](#)

[Request details on accessories](#)

[Request details on other product categories](#)

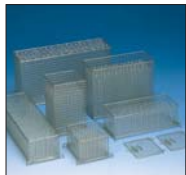


• Wide range of accessories for all types of glassware

Available accessories include basic baskets for open mouth glassware such as beakers and dishes. Injector racks are available for narrow neck glassware including Erlenmeyer and flasks. Special racks available for pipettes and other miscellaneous items.



PST STANDARD BASKET



ST, LT BASKETS FOR TUBES AND SMALL MATERIALS



BP RACK FOR PETRI DISHES



116 PPI RACK FOR PIPETTES

• Technical data & utilities

OVERALL DIMENSIONS	1466 x 604 x 736 (h x w x d) (mm) 57.75" x 23.75" x 29.00" (h x w x d) (inch)	TOTAL ELECTRICAL POWER	10 Kw
CHAMBER DIMENSIONS	544 x 535 x 510 (h x w x d) (mm) 21.40" x 21.00" x 20.00" (h x w x d) (inch)	DRAINAGE	Waste pipe diam. 40 with siphon, 800 - 1000 mm from the floor
WASHING LEVELS	1 or 2 with upper level adjustable in height	VOLTAGE	230 V x 3 / 400 V x 3 + N ₀ 50 Hz 208 V x 3 / 208 V x 2, 60 Hz <i>(other electrical supplies available on request)</i>
WATER CONSUMPTION (approximate per operation, according to the basket used)	11 to 15 l	NET WEIGHT	143 Kg
RECIRCULATION PUMP (flow rate)	340 l / min 60 Hz - 380 l / min 50 Hz	HEAT LOSS	770 Kcal/h - 3050 BTU/h
HEATING	9 Kw	NOISE LEVEL	< 65 dba
DRYING	1,8 Kw	WATER SUPPLY (water softener included)	Diam. 20/27 20l/min 2-6 bars
		• Cold Water	
		• Hot Water	
		• Ro Water	

OPTIONAL FEATURES

Drain discharge cooldown: cooling of effluent to < 60 °C.

Low pressure valve-pump for purified water: guarantees proper water pressure for purified water supply.

Emergency stop button: located on the exterior of the washer, shuts off all power.

Gravity drop drain: pneumatic valve discharges waste water to floor level drain.

pH neutralization: automatically adds a base or acid solution to neutralize the discharge.

External printer (via RS-232 connection): supplies a printed ticket with all cycle data.

Steam condenser: eliminates vapor and steam when chamber temperature exceeds 50 °C. Vapor and steam are condensed and sent to drain.

Pre-IQ/OQ protocol : additional IQ/OQ testing is performed at the factory, documentation is supplied enabling complete on-site IQ/OQ.

• Lancer is your guarantee of performance

Durable & reliable design, for professional use: Chamber and door made of AISI-316L stainless steel. Exterior panels are made of AISI-304L stainless steel. Insulated, double wall construction provides thermal and sound protection.

Proven experience: as the leader in critical cleaning for the pharmaceutical industry (cGMP), LANCER supplies research and production units to the largest pharmaceutical groups in the world. It is with this same knowledge, that we have developed our range of LABEXIA LX washers for laboratories.

Widest range of washers and accessories: from undercounter glassware washers to customized industrial models, LANCER has the widest range of washers and accessories available on the market.



LANCER
advanced washing
& disinfection solutions

Labexia 9 10 LX



Injector drying technology is standard

LANCER

• HEPA filtered injector drying system



Complete and rapid drying of glassware:

- Exterior: chamber drying by hot air injection circulated throughout chamber
- Interior: air is directed into hydraulic circuit and glassware through injectors

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 at the end of the cycle.

HEPA H13 filtration system guarantees the quality of the drying air.

• Easy and safe loading/unloading

Ergonomic design of door level height allows convenient loading and unloading of the washer. (800 mm / 31.5" inches of the ground).

Telescopic rails: baskets are mounted on full load bearing rails in the extended position allowing the operator to easily load and unload glassware.

Electric door closing system: at the beginning of the cycle a silent motorized system automatically closes the door. Door lock prevents interference with wash cycle during operation.

• On-board storage and automatic dosing of cleaning chemicals

The 910 LX features a built-in storage drawer with capacity for 2 x 10 l. (2.5 gallons) chemical containers.

Two peristaltic pumps automatically dose liquid detergents and neutralizers during the cycle. Chemical intake time is preset, but user adjustable. Cleaning and rinse agents are accurately dosed eliminating the dangers of handling wash chemicals.

Automatic liquid level detectors are provided for each chemical container.



• Multiple loading configurations for extreme flexibility

Two independent washing levels: LANCER accessories are individually connected allowing the use of a wide range of baskets and racks. Racks and baskets are interchangeable between levels allowing chamber configuration to be adapted according to the items being washed and dried.

Adjustable heights : the upper level can be placed at two different positions depending on the height of the glassware to be loaded. If you already own a LANCER washer, you will be able to use the same baskets from the 810 LX model to the 1300 UP.



Configuration 1

Configuration 2

Configuration 3

• User friendly programmable microprocessor

Up to 42 easy-to-select standard washing programs for many applications including: chemistry glassware, bacteriology/virology (high temperature), stubborn stains (agar), volumetric glassware (low-temp) and others. 4 programs are factory pre-set, 38 programs are user-customized.



Adjustable parameters: Up to 53 different parameters can be easily adjusted including: program phases, temperature and time of each phase, cleaning chemical dosing, and drying temperature (password-protected access).

Self-diagnostic program, with visual and audible alarms, alerts the user in the event of a malfunction enabling quick troubleshooting and maintenance.

• Powerful hydraulic circuit

The unique mechanical washing design ensures efficient washing on all levels. Water circulates at full pressure throughout all glassware, due to direct injection at each washing level. Stainless steel washing arms located at the top and bottom of the chamber ensure thorough washing of external glassware surfaces.



• Wide range of accessories for all types of glassware (continued)



20 IXL RACK
LONG INJECTORS



36 IXL RACK SHORT
AND LONG INJECTORS



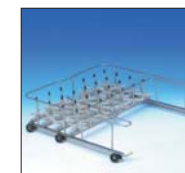
48 IXC RACK
SHORT INJECTORS



100 IXA RACK
SHORT 2 MM INJECTORS



P5/27 IXLC MIXED RACK



27 IXC 1/2 HALF-RACK
SHORT INJECTORS