



## Washer Disinfectors

LK/QX automatic washer disinfectors are researched and developed by Laoken with reference to international advanced technologies and demands and adopts to national standards. According to specific character and requirements, different medical equipments are washed and disinfected by hot water spraying with different washing modes. During the washing process, the machine automatically washes, disinfects, lubricates and dries instruments, which guarantees effectiveness and ensures operator safety and limits cross infection.

LK/QX is suitable for the cleaning of:  
Surgical Instruments (clippers, pliers, tweezers and other metal instruments),  
Basins (dressing bowls, curved plates, test tubes, and beakers),  
Anesthesia Instruments (anesthesia pipes, respiratory hag and masks),  
Shoes,  
Endoscopes,  
Etcetera.

## Working Mode

LK/QX Washer Disinfectant has four working modes: standard mode, customized mode, manual mode, service mode.

### Standard mode (standard cycle): for regular instruments

Mode 1	high temperature: cleaning of stainless steel made surgical instrument.
Mode 2	low temperature: for cleaning of plastic instruments.
Mode 3	anaesthesia tunnel: for cleaning of anesthesia / respiratory instruments.
Mode 4	delicate instruments: for cleaning of delicate instruments (e.g. surgical needles, etc.)
Mode 5	bowls: for cleaning of kidney trays, regular trays, pots and bowls and other utensils.
Mode 6	glass instrument: for cleaning of glass instrument.

**Note:** parameters of each standard mode have been already set and can not be revised.

- **Customized mode:** users can add optional function according to instrument categories, set parameters of every step.
- **Manual mode:** select appropriate programs depending on respective requirements .
- **Service mode:** for system maintenance.

## Standard Work Flow

Every standard mode (standard cycle) has seven steps: system automatically add and drain washing water, as well as rinsing enzyme, lubrication and antirust treatment. It takes 85 minutes for one standard working mode.





## LK/QX-500B automatic washer disinfecter

LK/QX-500B automatic washer disinfecter is researched and developed by Laoken with reference to international advanced technologies and demands and adopts to national standards. The suction injection and ultrasonic washing functions are initiative and unique in this field which can provide a comprehensive washing solution for hospitals.



### Specifications:

- Single Door Configurations are on request and Double Door Configurations uses the Washer Disinfecter as a barrier to avoid cross infection.
- Fine anti-corrosion stainless steel exterior covers are very easy to be cleaned.
- Hollow glass doors are convenient for observation of washing process.
- Operators can easily manage all operations. with a simple training.
- PLC + Touch Screen designed to assist and reduce work load of operators.
- Temperature and Time of every washing stage are saved for future reference and printing.
- Middle layers washing rack can be removable for big instruments.
- More efficient washing less time to ensure a shorter instrument turnaround cycle.
- Unique Injection-flow and Ultrasonic Cleaning function.
- Mainly wash and disinfect for 20 3-9mm diameter MIC equipment's.
- Completely wash and disinfect, medical equipment's turn around time is more quick and ultrasonic wash effectively removes stubborn dirt on equipment.

## Parameters

Model	Technical Parameter			
LK/QX-500B	Dimension	1310x1005x1920mm	Ports for Lumens	20
	Chamber Dimension	730x780x890mm	Water Inlet Diameter	DN20
	Chamber Volume	500L	Draining Pipe Diameter	DN32
	Water Consumption	40L/Stage	Air Exhausting Pipe Diameter	ø90mm
	Heater Power Consumption	27KW(Electric heating)	Standard Pure Water Consumption	200L/Cycle
	Ultrasonic Power Consumption	2040W	Net Weight	680kg
	Drying and heating	12kW		

## Advantages - Special Technology

### 1 Standard Functions of all Washer Disinfectors

### 2 Unique Technology Automatic wash and disinfect of endoscopes and lumens/tubes

Manual wash of endoscopes and lumens not only takes time, but also doesn't have a stable effect. The Unique design of LK/QX-500B ensures automatic washing and disinfecting of endoscopes and lumens enhancing the washing effect, and also frees operators for other work.



### 3 Unique Technology Ultrasonic cleaning

Ultrasound is used to effectively remove blood stains and dirt, avoiding direct contact with instruments, lowering the risk of cross infection.



### 7 High Quality Parts.



### 4 Unique Technology Suction & Flow-injection

Flow-injection repetitively rinsing the interior of tubes for better cleaning, while suction function helps to reduce time for drying the interior of the tubes.

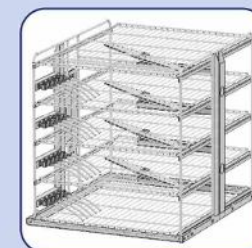


### 8 PLC + Touch Screen control system makes operation visualized and simpler.



### 9 Multi-functional washing racks

Able to load not only a lot of washing baskets, but also many devices with lumens.



### 5 Pass-Through design isolates contaminated area and clean area or stand alone single door entry machines.

### 6 304 Stainless steel frame and mirror finished stainless steel chamber -ensures a longer life span.

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## Washing Chamber

A	Spot-welded chamber with less shape changes. Isolation sheets surrounding the chamber minimize heat loss and noise.
B	Declined bottom of the chamber is not only good for complete drainage of water, but also dedicate to configure an appropriate amount of rinsing water, saving energy.
C	Extra water spray arms at top and bottom of the chamber moves together with the spray arms on washing rack, providing a better washing effect.

## Sealing Door ( LK/QX-500B , LK/QX-500 )

A	Operate on touch screen to open or close the door.
B	Lifting chamber doors are sealed tightly during washing process.
C	Sealing doors are made of double-layer toughened glass. It's transparent and with better safety measures and heat isolation.
D	Gear powered door moves stably. Chamber door is opened downwardly to save energy and avoid of misoperation of operators.
E	<b>Safety measures:</b> Interlock: One door will be closed and seal tightly before the other door is opened. Auto-lock: Chamber doors will be closed before washing is started. If door is open, washing process can't be started. Safety lock: If any object stand in the way when door is closing, the door will bounce back immediately.

## Sealing Door ( LK/QX-350 )

A	Pass through design. Doors are opened manually.
	Similar to item C, E above.

## Exterior Cover Imported stainless steel with fine finish and harmonious with surroundings.

## Washing Rack ( LK/QX-500B , LK/QX-500 )

A	Various washing racks for different instruments and washing requirements.
B	5-layer washing rack (LK/QX-500): spray arms on every layer, wash in the same time for 8 standard ISO/DIN wash trays (460mm x 320mm x 50mm/480mm x 250mm x 50mm) or 16 standard ISO/DIN wash trays (230mm x 320mm x 50mm/240mm x 250mm x 50mm). Washing rack (LK/QX-500B): 20 flushable MIC devices with exterior diameter of 1mm - 10mm; also for regular washing of 15 wash trays (498mm x 230mm x 50mm), or 30 wash trays (226mm x 226mm x 50mm).
C	Dressing bowl washing rack: 80 bowls of 16cm can be washed in one cycle.
D	Kidney bowl washing rack: 60 bowls can be washed in one cycle.
E	Anesthetic instruments washing rack: 16 pipes, 6 breathing bag, 6 breathing mask and 6 small conduits in one cycle.
F	Together with special accessories makes possible of washing feeding bottle, instrument trays, operating room shoes and comply with most strict standard.

## Washing Rack ( LK/QX-350 )

A	Various washing racks for different instruments and washing requirements.
B	4-layer washing rack: spray arms on every layer, wash in the same time for 8 wash trays (498mm x 230mm x 50mm) or 16 wash trays (226mm x 226mm x 50mm).
C	Dressing bowl washing rack: 40 bowls can be washed in one cycle.
D	Kidney bowl washing rack: 40 bowls can be washed in one cycle.
E	Together with special accessories makes possible of washing feeding bottle, instrument trays, operating room shoes and comply with most strict standard.

## Trolley Convenient for loading and unloading instruments.



**Proven Reliability**