



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 Disinfecter 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.





Parameters

Model	Technical Parameter			
LK/QX-500	Dimension	1260x1000x1920mm	Water Inlet Diameter	DN20
	Chamber Dimension	730x730x940mm	Draining Pipe Diameter	DN32
	Chamber Volume	500L	Air Exhausting Pipe Diameter	ø90mm
	Water Consumption	40L/Stage	Standard Pure Water Consumption	200L/Cycle
	Heater Power Consumption	27KW(Electric heating)	Net Weight	680kg
	Drying and heating	12kW		



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	Steam Consumption	39Kg/hr	Net Weight	680kg
	Drying and heating rate	12kW		

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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	Safety measures: 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