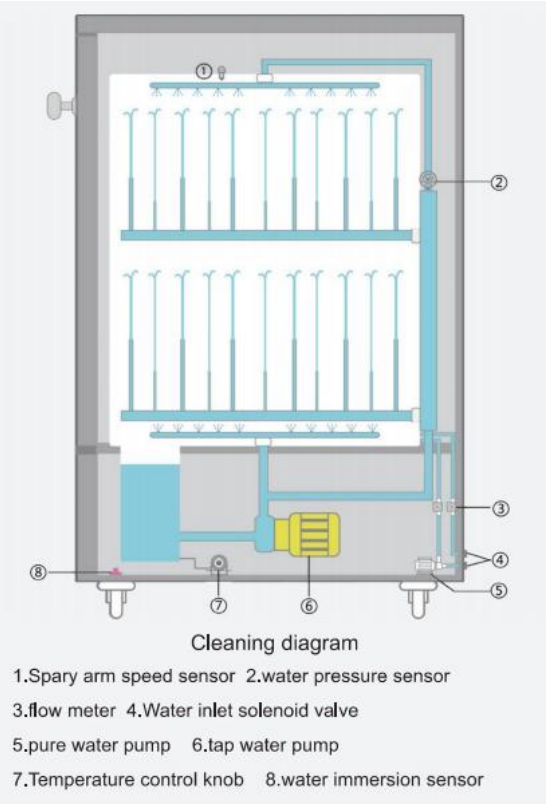
Laboratory Glassware Washer

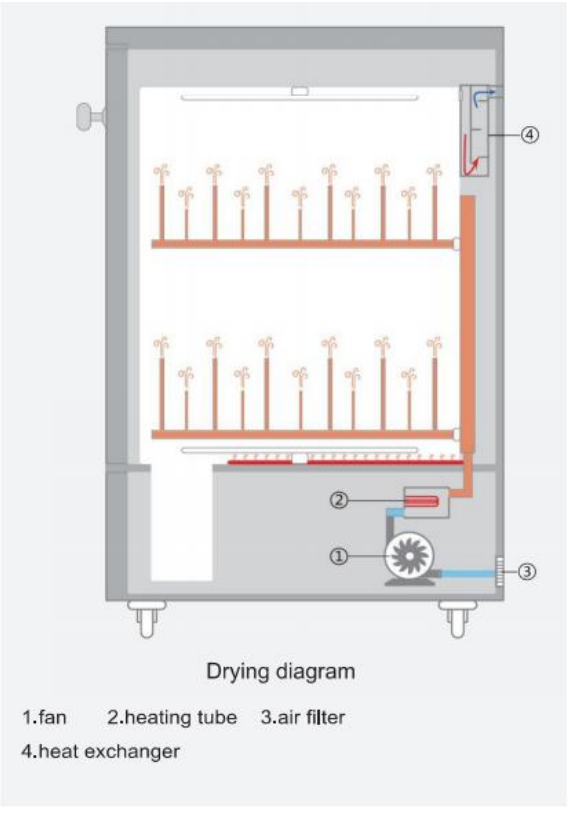
Features

- **Microcomputer chip control technology(non-PLC)**
  The main control circuit adopt gold-plating technology and military-grade electronic devices;
  Full color OLED LCD touch screen operating system;
  Fingerprint recognition system and SD card;
  30 standard program and 120 self-defined program;
- **Variable frequency soft-start function**
  The circulating water can be adjusted from 0-1600L/min. The pipeline pressure was monitored through sensor in real-time and the pump can be stopped when the pressure is too low or disappear.
- **Back water supply method**
  The pressure is uniform and the water outlet height is same.module can be changed freely,cleaning basket adopt quick-plug design, easy to install.Cleaning basket adopt FL-EXCH module design, every 1/2 module can be changed freely,cleaning basket adopt quick-plug design, easy to install.
- **Black box was set to record the running status**
  Buzzing and panel reminding after the cleaning, cleaning data can be stored and printed.
- **Safety protection system**
  Water heating over temperature protection,hot air heating over temperature protection,monitoring water leakage.The instrument will recovery automatically after water cut,and have the remain function when the cleaning agent is lacking.Multi-layer filtration system to prevent pollutants.



Cleaning diagram

1.Spary arm speed sensor 2.water pressure sensor
3.flow meter 4.Water inlet solenoid valve
5.pure water pump 6.tap water pump
7.Temperature control knob 8.water immersion sensor



Drying diagram

1.fan 2.heating tube 3.air filter
4.heat exchanger



Lab washer LW160

Small size,it can placed under the bench or on the bench,it is an economical and practical lab washer.



Lab washer LW190/LW190P

Small size, large cleaning volume, the drying function can be selected

Technical Parameter

Model	LW160	LW190	LW190P
Power	220V 5kW	220V 5kW	220V 5kW
Screen Size	8.8 Inch	8.8 Inch	8.8 Inch
Standard Program	30	30	30
Self-defined Program	120	120	120
Pump Flow	0-400L/MIN	0-500L/MIN	0-500L/MIN
printer Interface	-	-	YES
Drying System	Box drying	No	Injection drying
Air heating Power	0.5kW	3kW	3kW
Black Box System	YES	YES	YES
Cleaning Basket Layer	1 layer	2 layer	2 layer
Intelligent Switch Door	YES	YES	YES
3 Level Permissions	YES	YES	YES
Cleaning Basket identification	-	-	-
Pipeline Pressure Monitoring	YES	YES	YES
Fingerprint Identification system	-	-	-
SD Card Store System	-	-	YES
Cleaning Chamber Volume	158L	185L	185L
External Diameter:mm(LxWxH)	640×726×778	670×691×940	670×691×940





Lab washer LW220/LW220H

The most representative lab washer, meeting the cleaning requirements of most laboratories.

Lab washer LW230/LW230H

High-throughput cleaning while occupying a smaller footprint.

Technical Parameter

Model	LW220	LW220H	LW230	LW230H
Power	220V 5kW	380V 10kW	220V 5kW	380V 10kW
Screen Size	7 Inch	7 Inch	7 Inch	7 Inch
Standard Program	30	30	30	30
Self-defined Program	120	120	120	120
Pump Flow	0-600L/MIN	0-600L/MIN	0-600L/MIN	0-600L/MIN
printer Interface	YES	YES	YES	YES
Drying System	Injection drying	Injection drying	Injection drying	Injection drying
Air heating Power	3kW	3kW	3kW	3kW
Black Box System	YES	YES	YES	YES
Cleaning Basket Layer	2 layer	2 layer	2 layer	2 layer
Intelligent Switch Door	YES	YES	YES	YES
3 Level Permissions	YES	YES	YES	YES
Cleaning Basket	YES	YES	YES	YES
Pipeline Pressure	YES	YES	YES	YES
Fingerprint Identification	YES	YES	YES	YES
SD Card Store System	YES	YES	YES	YES
Cleaning Chamber Volume	223L	223L	223L	223L
External Diameter:mm(LxWxH)	915X760X1200	915X760X1200	670X760X1400	670X760X1400



Lab washer LW320/LW320H

Large cleaning volume, it can place 3 layers of cleaning basket.



Lab washer LW640

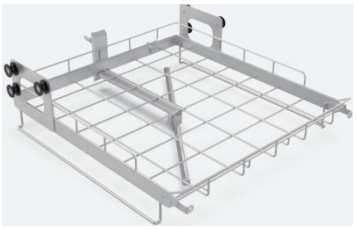
Simen control system, it can place 6 layers of cleaning basket.

Technical Parameter

Model	LW320	LW320H	LW640
Power	220V 5kW	380V 10kW	380V 21kW
Screen Size	7 Inch	7 Inch	7 Inch
Standard Program	30	30	10
Self-defined Program	120	120	10
Pump Flow	0-800L/MIN	0-800L/MIN	0-1600L/MIN
printer Interface	YES	YES	Built in printer
Drying System	Injection drying	Injection drying	Injection drying
Air heating Power	4kW	4kW	8kW
Black Box System	YES	YES	YES
Cleaning Basket Layer	3 layer	3 layer	6 layer
Intelligent Switch Door	YES	YES	YES
3 Level Permissions	YES	YES	YES,4 level
Cleaning Basket identification	YES	YES	-
Pipeline Pressure Monitoring	YES	YES	YES
Fingerprint Identification system	YES	YES	-
SD Card Store System	YES	YES	YES, U disk
Cleaning Chamber Volume	317L	317L	680L
External Diameter:mm(LxWxH)	670×757×1650	670×757×1650	1560×790×1980



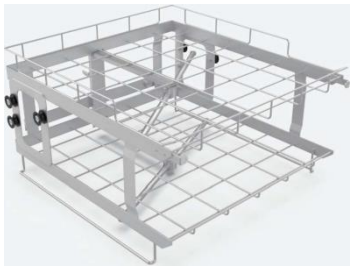
SC-01 Upper cleaning chassis without spray arm
Place PLYT,PLWT,PL,MX,



SC-02 Upper cleaning chassis with spray arm
Place K-01,K-02,K-03,K-04,K-30



XC-03 Lower cleaning chassis without spray arm Place all kinds of cleaning basket.



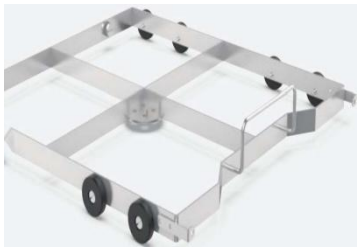
SC-05 Upper cleaning chassis with spray arm
Place K-01,K-02,K-30



XC-06 Lower cleaning chassis with spray am
Place K-01,K-02,K-30



SC-07 Upper cleaning chassis with spray arm
Only place K-03



XC-08 Lower cleaning chassis without spray arm
Only place K-03



PLYT-08 8 positions cleaning bottle size:250-2000ml PLYT-08 cleaning Erlenmeyer flask, volumetric flask with cross bottle holder.Without three-petal flower basket bottle holder.



PLYT-21 21 positions cleaning bottle size:50-250ml PLYT-21 cleaning Erlenmeyer flask. volumetric flask with cross bottle holder.Without three-petal flower basket bottle holder.



PLYT-32 32 positions cleaning bottle size:50-250ml PLYT-32 cleaning Erlenmeyer flasks, volumetric flasks, and flasks.With cross bottle holder and three-petal flower basket bottle holder.



PLYT-50 50 positions cleaning bottle
size:10-100ml PLYT-50 cleaning Erlenmeyer flasks.volumetric flasks, and flasks.With cross bottle holder and three-petal flower basket bottle holder.



PLYT-66 66 positions cleaning bottle
size:10-50ml PLYT-66 cleaning Erlenmeyer flasks, volumetric flasks, and flasks.With cross bottle holder and three-petal flower basket bottle holder.



PLYT-20 20 positions cleaning bottle
size:1000ml PLYT-20 cleaning Erlenmeyer flask volumetric flask with cross bottle holder.Each layer can put one cleaning basket with 20 bottles.



PLYT-25 25 positions cleaning bottle
size:500ml PLYT-25 cleaning Erlenmeyer flask, volumetric flask with cross bottle holder.Each layer can put one cleaning basket with 25 bottles.



PLWT-21 21 positions cleaning bottle
size:50-250ml PLWT-21 cleaning Erlenmeyer flask, volumetric flask with cross bottle holder.Without three-petal flower basket bottle holder.



PLWT-32 32 positions cleaning bottle
size:50-250ml PLWT-32 cleaning Erlenmeyer flask, volumetric flask with cross bottle holder.Without three-petal flower basket bottle holder.



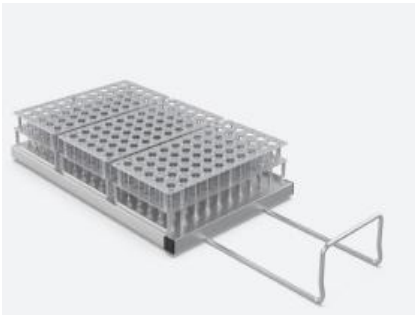
PLWT-50 50 positions cleaning bottle
size:10-100ml PLWT-50 cleaning Erlenmeyer flask, volumetric flask with cross bottle holder.Without three-petal flower basket bottle holder.



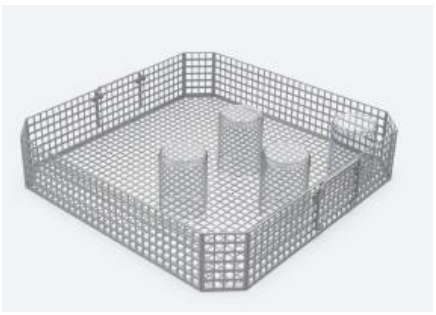
PLWT-66-1 66 positions cleaning bottle size:0.1-50ml PLWT-66-1 cleaning test tubes, centrifuge tubes.



PLWT-66-2 66 positions cleaning bottle
size:0.1-50ml PLWT-66-2 cleaning pipettes.



PL-150 150 positions cleaning bottle
size:2ml PL-150 cleaning injection bottles.



K-01 cleaning frame cleaning bottle
size:10-2000ml K-01 cleaning jars, beakers, glass rods, bottle caps, etc



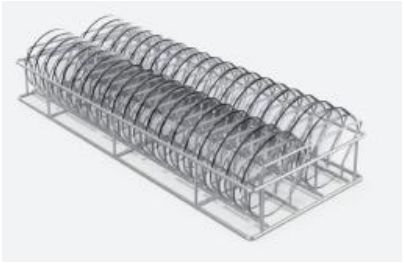
K-02 cleaning frame cleaning bottle
size:10-2000ml K-02 cleaning jars, beakers, glass rods, bottle caps, etc



K-03 cleaning frame cleaning bottle
size:10-20ml K-03 cleaning test tubes,centrifuge tubes.One layer can put 4 units of K-03.



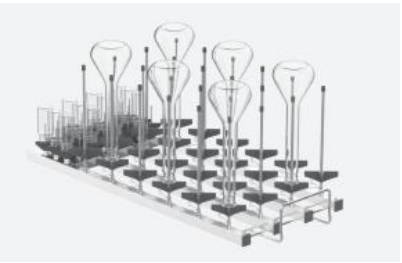
K-04 cleaning frame cleaning bottle
size:10-20mlK-04 cleaning test tubes,centrifuge tubes.One layer can put 4 units of K-04.



K-30 30 position cleaning bottle
size:60-150mm petri dishK-30 cleaning 30 petri dishes, 90mm.Petri dishes with larger diameter can be customized with cleaning basket



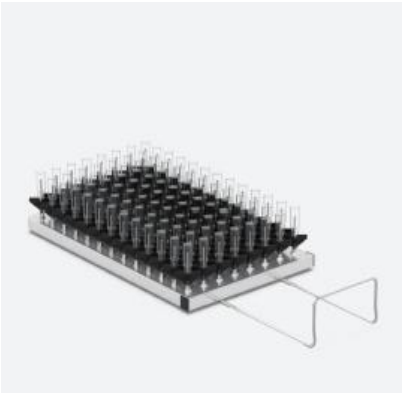
MX-48-1 48 position cleaning bottle
size:0.1-100ml MX-48-1 cleaning 24 pipettes and 24 volumetric flasks.



MX-48-2 48 position cleaning bottle
size:0.1-100mlMX-48-2 cleaning 24 injection bottles and 24 volumetric flasks.



MX-74-1/2 74 position cleaning bottle
size:2-100ml MX-74-1 cleaning 50 injection bottles and 24 volumetric flask.MX-74-2 cleaning 50 petri dishes and 24 volumetric flasks.



PL-102-1/2/3 102 position
PL-102-1 cleaning injection bottlesPL-102-2 cleaning test tube,centrifuge tubePL-102-3 cleaning petri dish, NMR tubes.



MX-102-1/2 102 position cleaning bottle size:0.1-50mlMX-102-1 cleaning 78 injection bottles and24 pipettes.MX-102-2 cleaning 78 injection bottles and24 test tubes.



MX-102-3/4 102 position cleaning bottle

size:0.1-50ml MX-102-3 cleaning 54 injection bottles and 48 pipettes.MX-102-4 cleaning 54 injection bottles and 48 test tubes.



MX-102-5/6 102 position cleaning bottle

size:0.1-50ml MX-102-5 cleaning 78 test tubes and 24 MX-102-6 cleaning 54 test tubes and 48 pipettes.pipettes.