

LABTEX Glassware Washer



CTLW-120

CTLW-200

CTLW-220

CTLW-320

Programmed cleaning, disinfecting and drying process to clean all glassware stuff, including beaker, flask, pipette, petri dish, burette, measuring cylinder/glass, test tube etc.

Stainless steel interior, exterior, racks and inserts withstand heavy use and reduce corrosion and contaminant build-up. Internal components such as pumps and seals are laboratory-grade, engineered for long life.

Interior work area: #316L stainless Steel

Exterior body : #304 stainless steel

Washer trolley:#304 stainless steel and optional for : #316L stainless Steel

Standard washing procedure



Humanized design for washing program

Program	Application range	Time (min)
Standard Program	The general pollution glassware washing	60
Fast washing program	Light pollution glassware washing	30
User-defined program	Setting the personalized parameters as per the different pollution degree glassware	User-defined
Automatic cleaning Program	Periodic cleaning for washing cabinet and pipeline	30
Drying program	Separate dry for glassware	1-99

High efficient cleaning system, designed with European reliable pump, optimized spray arm and nozzles, and self-cleaning program.

Rapid and efficient drying system, designed with independent air heater, HEPA filter and thorough drying process.

Professional configuration design — stainless steel for corrosion resistance; two inlets for both tap water and pure water and one outlet in anti-backflow design; reinforced glass window mounted to achieve a clear view on washing process.

Excellent control system—PLC touch screen control with preset 6 programs(including one customized program) to monitor all the operation processes.

Safety protection — electronic security door lock to prevent unexpected door opening, water & drying air temperature dual control and equipped with emergency switch.

Microprocessor Control System

7' LCD display touch screen, microprocessor with PLC system which is various of programmable washer cycles, detergent volume etc. User programmable with 99 storable programs and definable. All significant parameters can be set. These include: execution times, operating temperatures, quantity of additives, number of phases, and so on. Access to the control operations is protected by a system of four user passwords.

Drop Down Door

Counterbalanced for ease of operation

Ensures proper rack placement and connection to manifold

Manufactured of solid 304L stainless steel with safe double glass window

Fully insulated to reduce heat loss and noise

Provides loading platform eliminating need for loading cart



System Wash Levels

1 to 3 levels according to the models

Rack actuated via automatic manifold connections when door is closed

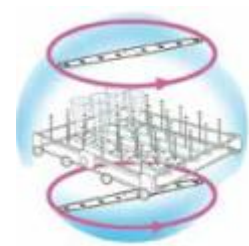
Rack accessories independent and easily removable for use on all levels

Spray System

Two rotary spray arms are located top of and bottom of chamber

Rotary sprayer made of # 4 sanitary high-grade 304L stainless steel

Easily disassembled for cleaning and maintenance

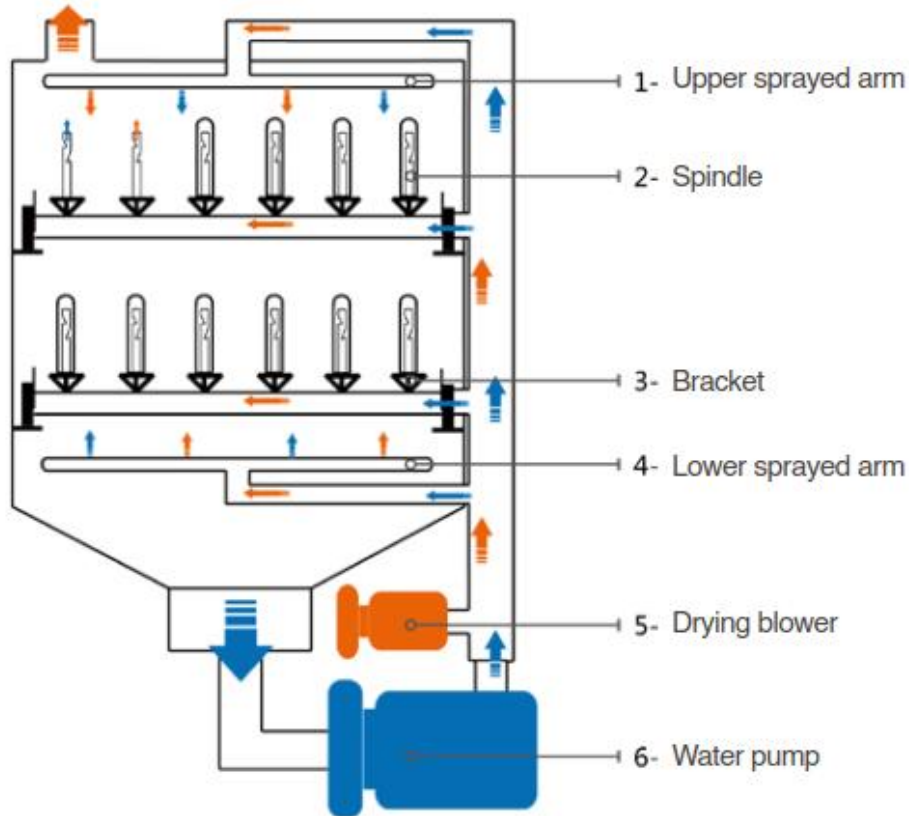


Programming Cycle Operation

Users can define different washing steps such Pre-Wash, Wash, Running Water, Acid Rinse, Neutralized Washing, Hot Water Washing, Drying etc. in one washing cycle. It can also adjust water temperature, washing time, volume of detergent, drying temperature and drying time in related washing step.

Washing & Drying Cycle

- Water flow
- Drying air flow



Monitoring System

Audible and visual alarms provide quality control for each wash cycle water level sensors
 Two independent sensors control chamber water level and prevent overflow.

Water Injection System

Two water inlets Controlled by electromagnetic valve, users can choose the cold water and pure water in wash and rinse phase. Washer trolley can connect the water and gas outlet automatically on each level which reduces the pressure loss and ensures wash and dry efficacy.

Dual Powerful Pumps




one for washing and one for draining, reduce the potential risk of cross contamination between wash and drain water.

Powerful pump recirculates water at a high rate to dislodge dried contaminants for thorough cleaning.

Drain pump is associated with water seal drainage pipeline design avoid polluted water backflow.

Model	CTLW-120	CTLW-200	CTLW-220		CTLW-320	
Capacity	120L	200L	220L		320L	
Voltage (V/Hz)	AC220V, 50-60Hz	AC220V, 50-60Hz	AC220V, 50-60Hz	AC380V, 50-60Hz	AC220V, 50-60Hz	AC380V, 50-60Hz
Material	Internal material: SS316, Outer material: SS304					
Washer Load Level	1	2	2		3	
Overall Power Consumption	6KW	6KW	6KW	16KW	7KW	17KW
Power Consumption-Water Washing	0.4KW	0.75KW	0.75KW		1.5 KW	
Power Consumption-Water Heating	5KW	5KW	5KW	15KW	5KW	15KW
Power Consumption-Drying	3 KW	3 KW	3.6KW		3.6KW	
Optional Accessories	USB interface, printer, Cleaning racks					
Washer Chamber Size(W*D*H)mm	600*629*465	600*629*635	600*629*658		600*629*820	
External Size(W*D*H)mm	960*740*850	980*740*1080	790*690*1760		790*690*1950	

Accessory/rack

Model	Washing Capacity	Product Picture	Note
CWIR30	To wash max 30ea of 250ml infusion bottles and caps; Or other volumetric flasks, conical flasks or beakers		Washing columns with different height can be selected: 90mm, 140mm, or 220mm; Brackets to hold washing columns can be adjusted according to different washing items.
CWIR36	To wash max 36ea of 10-250ml volumetric flasks, conical flasks or beakers(diameter within 90mm)		Washing columns with different height can be selected: 90mm, 140mm, or 220mm; Brackets to hold washing columns can be adjusted according to different washing items.
CWIR56	To wash max 56ea of 10-250ml volumetric flasks, conical flasks or beakers(diameter within 60mm)		Washing columns with different height can be selected: 90mm, 140mm, or 220mm; Brackets to hold washing columns can be adjusted according to different washing items.

Model	Washing Capacity	Product Picture	Note
CWIR10918	To wash max 109ea of sample bottles or test tubes and max 18ea of 10-250ml volumetric flasks, conical flasks or beakers(diameter within 90mm)		Washing columns with different height can be selected: 90mm, 140mm, or 220mm; Brackets to hold washing columns can be adjusted according to different washing items.
CWBR01	To wash beakers or other wide mouth bottles specially		Washing area is 560x510mm
CWPDR9075U	Upper rack to wash 75ea of petri dishes or caps within diameters 90mm		/

Model	Washing Capacity	Product Picture	Note
CWPDR9075L	Lower rack to wash 75ea of petri dishes or caps within diameters 90mm		/
CWPR26	To wash 26ea of transfer pipettes with its length less than 550mm; meanwhile a 510x280mm area can be used to wash beakers or other wide mouth bottles		/
CWRTR20	To wash 20ea of rubber tubes with its inner diameters 3~8mm and length less than 3m		/