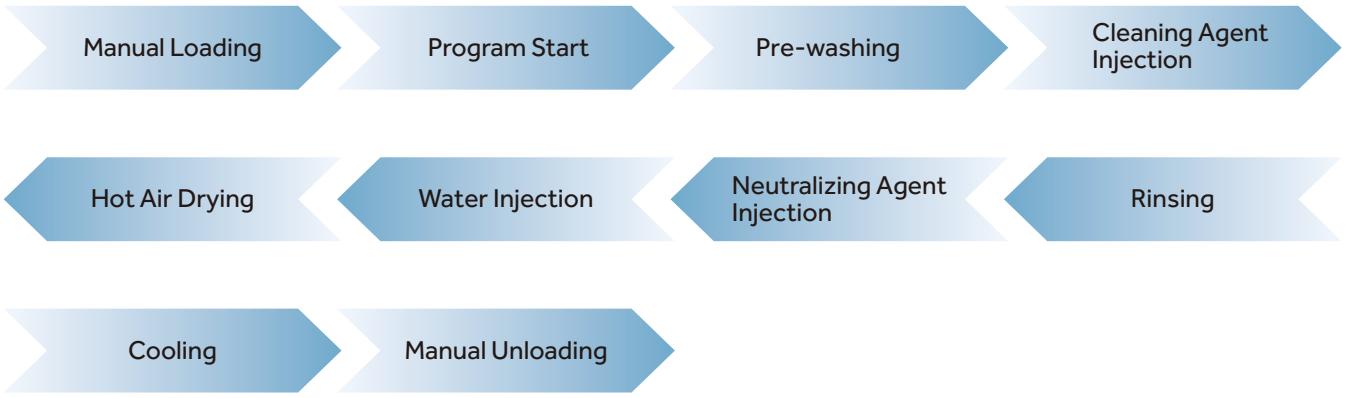
Heavy Duty Glassware Washer

Application

Heavy duty glassware washer is mainly used in the pharmaceutical industry and food enterprises, for automatic cleaning, disinfection and drying various large glassware, components in lling line, components in tablet press, stainless steel lter shells, mixing barrels, bioreactors, PP barrels, connecting hoses, various connecting pipe ttings, etc. It can also be used for automatic cleaning of animal cages, drinking bottles, feed boxes and other equipment in experimental animal breeding

Working Process

Example of Basic Cleaning Process



The cleaning program takes into account the setting and storage operating parameters, such as selection of inuent water sources, cleaning temperature, operating time, cleaning agent dosage, cycle time, etc

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Drying System

- Consists of circulating fan, sanitary air heater and high efficiency air filter
- When drying, hot air pass through the nozzles of the spray arms at the top and bottom of cleaning chamber. The nozzles of the cleaning rack quickly dries the inner and outer surfaces of items via hot air
- Adopts HEPA high-effciency filter to ensure the cleanliness of dry air and avoid secondary pollution of clean items by air
- After drying, contents can be quickly cooled to ensure that users can safely remove the apparatus for use

Structural Design

- The cleaning chamber is made of 316L stainless steel, and the internal rounded structure ensures all cleaned
- All circulating pipelines and parts in contact with cleaning water are made of stainless steel and PTFE
- The ceiling of the cleaning chamber can be equipped with internal lighting for easy visual inspection of cleaning conditions
- Adopts hollow double-layer tempered glass door, which is heat-insulating and noise-reducing
- Automatic lift door design is easy to operate. Front and rear double door structure and manual opening structure also can be customized according to specic users' needs
- After the door is closed, the silicone rubber is automatically pressed and sealed
- Stamping technology ensures the airtightness and watertightness of the door body seal; Optional transfer cart for easy access to cleaning racks is available

Cleaning System



1. There are two rotating spray arms at the top and bottom of the cleaning chamber
2. Multi-layer washing racks with independent parallel water intake ensures consistent pressure on each layer
3. Standard 2 water inlets (3 optional), which can be connected to tap water and pure water (injection water) at the same time. Can also be customized according to requirements
4. 7''or 12''LCD touch screen
5. Emergency stop switch
6. Cleaning aid is automatically and quantitatively added by peristaltic pump to ensure maximum cleaning effectiveness
7. Circulating pump is imported from Europe, and the volume of water is monitored by flow meter, to achieve the best matc of cleaning pressure and water flow

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Control System

- Siemens or equivalent quality PLC programmable control system, 7''/12''LCD touch screen
- Equipped with 40 standard programs and 200 free programs, which can set various modes in various languages such as Chinese, English, etc
- Self-checking function of main components, allows the start and stop of individual components and reports working status
- Control system can prevent dust and moisture from entering, and control panel height comfortable for operation
- With power memory function, if the power is temporarily cut off during the execution of the program, the device can continue where it left off when power returns





Safety Protection

- The equipment is equipped with an emergency stop switch. in case of an emergency, the power supply can be cut off immediately
- The equipment has the function of real-time monitoring of water leakage and multi-layer ltering device
- Automatic induction device for lift door operation, which can stop the process immediately when there is an abnormality, so as to prevent accidents such as hand clamping, collision, extrusion caused by misoperation
- The door cannot be opened while the device is running. It can only be opened after the whole process is over and the apparatus has cooled down
- The high current distribution box and the low current distribution box are set up separately , and is olated from each other. The strong current distribution box is provided with a set of lockable transfer switches, which can be opened and closed independently to control the power on and off each component circuit
- Alarm function: circulating pump overheat, water heating abnormal, air heating abnormal, shortage of cleaning agent, water intake abnormal, and water overow alarm, etc

Audit Trail

- Three-level password authority management, which includes administrator authority
- Other account names and passwords, and can different permissions for "operator" and "administrator"
- More than 20000 cleaning records and over 20000 alarm records can be stored, and can be viewed on the screen
- Cleaning records and alarm information can be exported to U disk in PDF format; A printer can also be installed to print all records
- Cleaning record content: includes equipment number, equipment name, equipment model, program name, operator, start time, end time, cleaning steps (time, temperature, cleaning agent), fault name, etc
- Traceability: all the information of equipment operation and parameter changes will be automatically recorded and stored by the system

Technical Parameter

Model	CTPW-400	CTPW-760	CTPW-1000	CTPW-1800
Exterior Dimensions (W*D*H)(mm)	1110*900*2165	1800*1000*2250	2000*1190*2250	2500*1540*2250
Capacity (L)	400	760	1000	1800
Control System	PLC / Siemens or equivalent			
Display	7'' touch screen	12" touch screen		
Door Structure	Single door (double doors optional)			
Door Opening Method	Electric door (manual door optional)			
Circulating pump A flow(L/min)	1000	800	1000	1000
Circulating pump B flow (L/min)	/	800	1000	1500
Tank Internal Temperature Range (°C)	RT - 93			
Water Heater Power (kW)	15	18	18	24
Drying Temperature Range (°C)	RT - 120			
Dry Power (kW)	3.6	6	11.25	15
Voltage (V/Hz)	380/50			