



Acid steam cleaning system Acid 3600F

***Manufacture lab washer 15+ years
Focus on cleaning***



Company Profile

Eurping China Co.,Ltd was established in 2008, it is an enterprise integrating research, production, sales and after-sale service of laboratory cleaning equipment. Our customers are from third-party testing institutions, government laboratories, scientific research institutes and universities, etc. Our products are favored by experimenters and it is also a powerful proof of our product quality and brand influence. So far, Eurping' s products have been exported to more than 30 countries, such as South Korea, Japan, India, Turkey, and Switzerland,etc. We provide global customers with Laboratory Glassware Washers, Acid Steam Cleaning Systems, GMP Washers, IVC Series, Cleaning Agents. We also offer the services including cleaning validation and customized standardized cleaning solutions,etc.



History

The Eurping glassware washer has a history of about 15 years. After several generations of technological changes and updates, Eurping now has a complete product line for laboratory, pharmaceutical workshop, and animal room cleaning.

Start developing bottle washing machine	Launching a bottle glassware washer with bottom water supply	Received the honor of "National High tech Enterprise"	The fully acid cleaning sytem has been launched has been launched
2008	2012	2016	2017

Application

Acid 3600F can remove inorganic element residues in digestion tubes, volumetric flasks, triangular flasks and other vessels, effectively reducing ion background and meeting the requirements of ICP-MS, automic absorption, atomic fluorescence, etc.

Honor

- More than 20 self-owned patents
 - *National High-tech Enterprise*
 - Annual sales of more than 500 units
 - 2016 Awarded *Good Domestic Instrument*
 - 2017 Awarded *Most Concerned Instrument*
 - 2018 Awarded *Most Concerned Instrument*
- 2019 Awarded *Annual Users Favor Instrument of Scientific Instrument Industries*
 - 2020 Awarded *Users Follow TOP100 Instruments*
 - 2021 Awarded *Users Follow TOP100 Instruments*
 - 2022 Awarded *Good Domestic Instrument*
 - 2023 Awarded *Good Domestic Instrument*
 - 2024 Awarded *Innovative Small and Medium-sized Enterprises*



Received the honorary title of <i>Most Popular Instrument</i>	Received the honorary title of <i>Annual User Favorite Instrument</i>	The entire product line is fully equipped with supporting facilities	Achieve a total installed capacity of 5000 units	Awarded Good Domestic Instrument	Awarded Innovative Small and Medium-sized Enterprises
2018	2019	2020	2021	2023	2024

Acid steam cleaning system acid 3600F

Washing process

Microcomputer chip control system.

9 inch full colour touch screen.

20 standard program.

Support single step operate.

Users can set,store the new programs.

The cleaning time, temperature, drain, pH valve can display on the screen.

Injected sub-boiling acid steam cleaning(Figure 1)

The pure acid steam cleans the inner side of the utensils through the nozzles, effectively reducing the ion residues, and the steam is discharged after use, without reflux. Acid steam cleaning at sub-boiling temperature for 1 hour achieves the same effect as soaking in an acid tank at room temperature overnight.

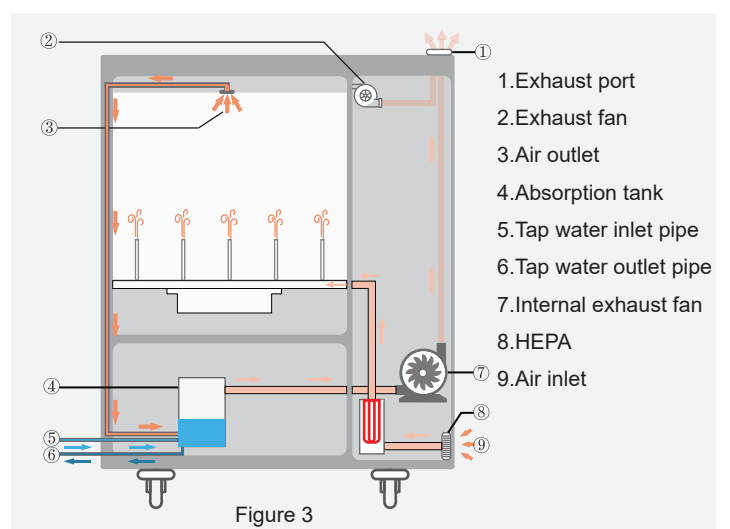
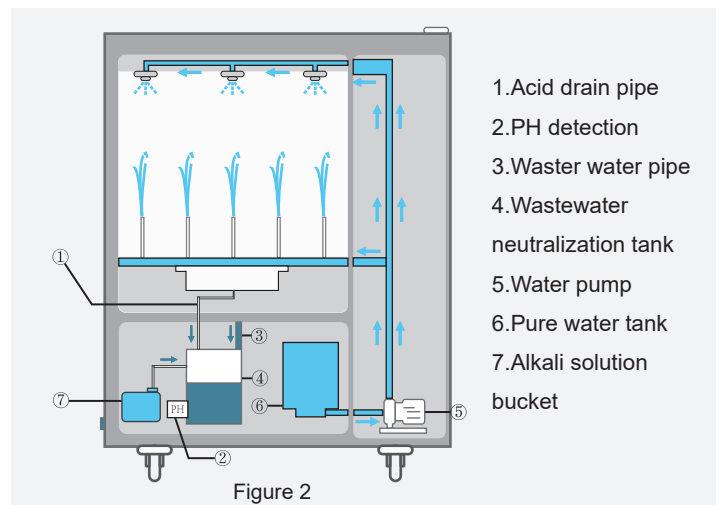
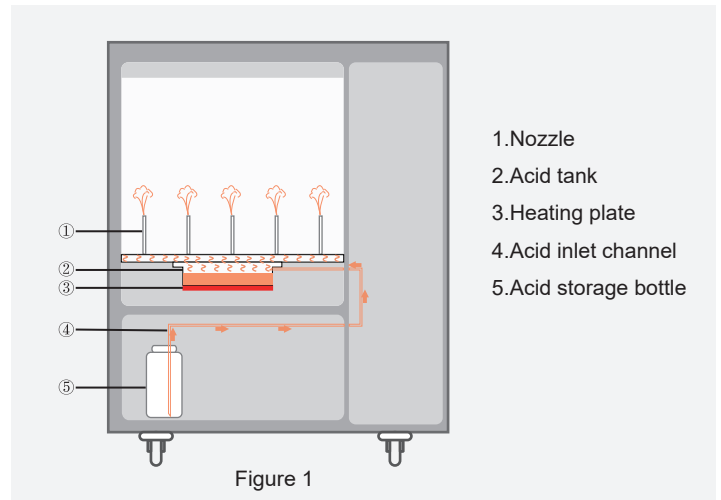
Ultra-pure water flushing(Figure 2)

Water flow:120L/min.

Built-in pump automatically adds ultra-pure water, stored in a 7L pure water tank. The system provides a water shortage reminder and automatically stops when filling. Non-return flushing ensures no acid gas or acid residue remains in the washing chamber.

Hot air drying(Figure 3)

The temperature, time, and airflow of the hot air drying process are all adjustable. The pipeline compressor blows the hot air after HEPA filtration into the utensils.



Parameters

Full process automatically

All-in-one machine, double-layer transparent visual door system.

Good sealing performance and user can observe the cleaning operation in the cleaning chamber in real time.

Avoid cross contamination

The jacketed injection cleaning system ensures that the acid and water are not mixed. The top of the cleaning chamber is equipped with a 360° all-round spray head.

After cleaning is completed, the acid liquid directly enters the waste liquid pool, and the acid liquid circulates in one direction to avoid cross-contamination.

Intelligent

The stepped heating system can not only heat up quickly but also prevent overcharging. The temperature rises rapidly in the first stage, rises to 90°C within 5 minutes.

The temperature rises steadily and slowly in the middle and late stages, shortening the cleaning time while ensuring the sub-boiling state of the acid. Ultrapure water rinsing process completed within 3-6 seconds.(non-circulating)

Wastewater is neutralized before discharge

The used acid or water does not flow back to the original acid or water bucket, stored in the waste water bucket, which can automatically detect PH and automatically neutralize the waste acid to make it neutral.



50 positions



Ultrapure water shower head

Automatic acid addition and acid discharge

Automatic positive pressure acid adding system, only 70ml of nitric acid is required for each acid steam cleaning process, automatic acid discharge after cleaning, visual acid liquid level, automatic reminder when liquid is lacking.

Exhaust gas absorption

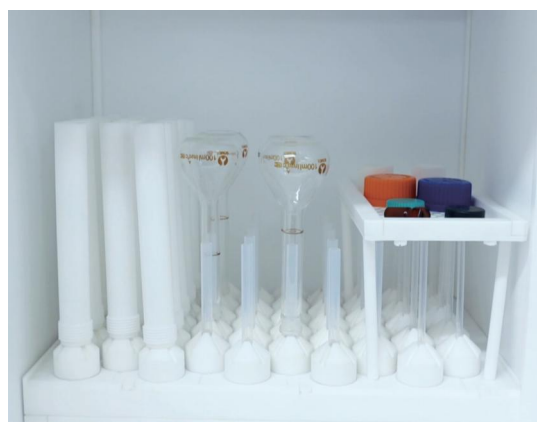
The built-in EP waste gas absorption system can instantly absorb a large amount of waste gas without putting it in a fume hood.

Excellent corrosion resistance

The entire cleaning chamber is made of high-purity Teflon (PFA, PTFE) material to ensure excellent corrosion resistance; the electronic operating system is separated from the instrument, and the circuit boards are designed with anti-corrosion spraying to improve the stability of the system.

Double fan exhaust

The double fan exhaust system is automatically turned on when the machine is turned on, and the entire chamber of the machine are in a slightly negative pressure state, providing a strong guarantee for acid gas not to escape.



Rack for cleaning caps

After cleaning, residues can reach ppt levels or undetectable levels, and we provide strict cleaning data verification reports

Sample	Pb[He]	As[He]	Cd[He]	Cr[He]	Mg[He]	Cu[He]	Fe[He]
Sample name	[ug/l]	[ug/l]	[ug/l]	[ug/l]	[ug/l]	[ug/l]	[ug/l]
Sample1	0.00	0.01	0.01	0.00	0.00	0.01	0.00
Sample2	0.00	0.00	0.00	0.02	0.00	0.00	0.01
Sample3	0.01	0.00	0.01	0.01	0.02	0.01	0.02
Sample4	0.00	0.01	0.01	0.00	0.00	0.01	0.01
Sample5	0.01	0.00	0.00	0.00	0.01	0.00	0.00
Sample6	0.00	0.01	0.00	0.00	0.00	0.01	0.01



Parameters	Acid 3600F	Parameters	Acid 3600F
Acid steam function	Yes	PH meter	Yes
Ultra-pure water rinsing	Yes	Nozzle height	79mm
Rinsing flow	120L/min	Acid bottle volume	1000ml
Waste acid neutralization	Yes	Permission management	Yes
Drying function	Yes	Self-defined program	20
Drying temperature	RT-120°C	HEPA	H14
Drying time	0-300min	High temperature alarm	Yes
Drying airflow rate	80m³/h	High acid temperature alarm	Yes
Number of cleaning nozzle	50	Power off memory	Yes
Cleaning chamber volume	87L	Acid exceeds limit	Yes
External diameter:W×D×H(mm)	682×736×1624	Cleaning chamber:W×D×H(mm)	480×355×510

Standardization of Laboratory Cleaning - Laboratory Glassware Washer

Product Introduction

From 158L to 600L, the LW 160 series/LW 190 series/LW 220 series/LW 320 series glassware washer can provide standardized cleaning services for various laboratories. The LW series uses modular combination baskets and large brand water pumps to provide laboratories with complete solutions that ensure stable cleanliness, traceability, queryability, and recordability.

Product Features

- The basket frame adopts FL-EXCH module design, which is freely interchangeable
- The soft start design of the circulation pump avoids the impact of sudden increase in water pressure on the vessel
- Real time monitoring of pipeline water pressure by pipeline pressure sensor
- The "black box" automatically records the operating status of every electrical component during the entire cleaning process



Standardization of Inorganic Experiment Cleaning - Acid Steam Cleaning System

Product Introduction

The Acid 3600F series acid reflux cleaning machine can safely, efficiently, and cross pollution-free remove inorganic residues from digestion tanks, volumetric flasks, and other vessels, with a cleanliness level of ppt, meeting the requirements Cleanliness requirements for atomic absorption, atomic fluorescence, and ICP-MS detection.

Product Features

- Automatic cleaning, saving labor
- Avoid cross contamination and replace soaking in acid tanks
- Soaking in a more acidic tank reduces cleaning time and allows for easy circulation of the digestion tank
- Negative pressure exhaust throughout the process to prevent acid gas leakage



Workshop Component Cleaning - GMP Washer

Product Introduction

Poseidon 300 series/Poseidon 600 series/Poseidon 1200 series component cleaning machines are used to clean key components such as fermentation tanks large glassware, filling machine components, silicone tubing, etc. Using fully pharmaceutical grade materials to meet GMP requirements, drug production is safer and cleaner.

Product Features

- Fully hygienic design: fully compliant with and exceeding FDA and BPE standards
- Surface polishing degree less than $0.6 \mu m$
- 2% tilt angle for easy liquid discharge
- The pipeline complies with 2D standards



Experimental Animal Cage Cleaning - Cage Cleaning Washer

Product Introduction

The IVC100/IVC500/IVC600/IVC700/IVC800 series cage cleaning machines and supporting equipment can achieve automated dumping, cleaning, and filling processes for animal cages and drinking water bottles, ensuring animal welfare and assisting in standard feeding.



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