



UGAIYA

UGAIYA Bio-Sciences Co., Ltd

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UGAIYA



Medical Automatic Washer



Company Profile

UGAIYA Bio-Sciences Co., Ltd, headquartered at Nishifunahashi 2-47-11, Hirakata City, Osaka, 573-112, Japan, specializes in providing a diversity of medical and Bio-medical instruments & consumables that contribute to many major workflows which are identified with healthcare and bio-research institutions. We distinguish ourselves by providing satisfied customers with integrated solutions to medical Central Sterile Services Department (CSSD), blood bank and bio-medical laboratories.

Our specialized products have been exported to many countries all over the world including Italy, Russia, Turkey, Australia, Spain, Iran, Israel, India, Thailand, Vietnam, Indonesia, Philippines, Malaysia, Korea, South Africa, Egypt, Tunisia, Kenya, Mexico, Peru, Columbia and more than 40 other countries.

In order to service and connect with our clients with better proximity, we have established subsidiary in China, as well as branch in Singapore for providing better support and more responsive services to our esteemed customers around the region.

Our Headquarters



Medical Automatic Washer

Feature

How It Works

It approaches vacuum technology for decompressing the pressure in the chamber, in the decompression period, chamber water with cleaning solution boils into steam at around 40°C. Then air is injected in the water, which leads to intensive bumping. Water flows in the lumen or hollow instruments continuously, this ensures thorough and superior cleaning of both internal and external instruments surfaces. During drying process, it adopts vacuum drying to reach superior drying.

Patented Technology

Vacuumping: Heating the cleaning fluid in washer chamber then reducing pressure;

Vacuum boiling: Heating continues until the temperature becomes 40°C, the chamber pressure is decompressed and water starts to boil.

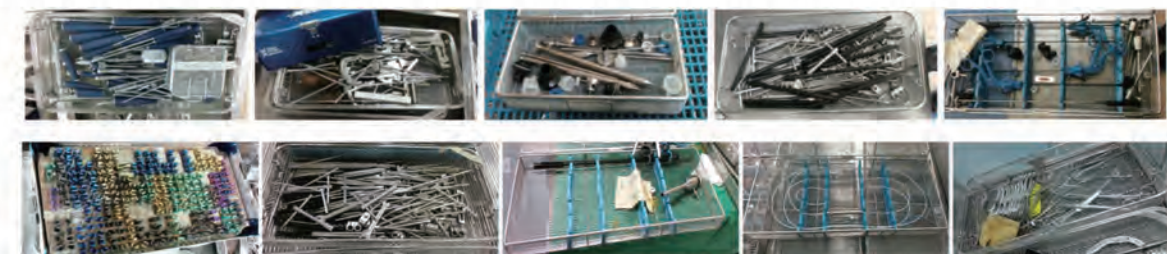
Boiling wash with pulse air: Pulse air is injected into the water, then water with cleaning solution boils intensely, bumping is generated reaching thorough wash by cleaning all the blood stains, dirt, etc.

Medical automatic washer is the advanced pioneering product in the world, which breaks through the existing design concepts both in domestic and overseas market. It makes it possible to achieve washing medical instruments in vacuuming condition.

Unique Washing Operations

- ※ No need for wash racks;
- ※ No need for special spray nozzles or lumen adapters or connections;
- ※ No need to remove from the case for washing orthopedics instruments
- ※ It takes the only action to detach the instruments and place into the basket. Different shapes and materials of instruments can be loaded together for washing, such as suction tubes, hoses, micro-needle holders, respirator, etc.

Different shapes and materials of instruments loaded together



Chamber Design

- The material of chamber body is SUS304 stainless steel;
- Corner radius is R14mm;
- The material including PTFE complies with FDA requirement;
- Chamber curve design is in accordance with GMP requirements, and it is seamless without threaded connection.

Optimizing Load Capacity

- 160L Washing chamber:
10 stainless steel baskets (560*240*50mm)
- 230L Washing chamber:
16 stainless steel baskets (560*240*50mm)
- 400L Washing chamber:
24 stainless steel baskets (560*240*50mm)



Reliable Pipeline And Valves

- The dead length inside the pipeline does not exceed 3D; The wet surface declination in chamber is more than 2%;
- Automatic welding for tube connection on pipeline, complies with GMP requirement;
- Hygiene class imported pneumatic valve of Forge welding are used for processing system.

High Efficiency

Pre-heating water tank helps vacuum boiling washer achieves rapid washing, saving triple times costs of water-in-let and heating.

Complete Drying

Drying efficiency is the critical safeguard to maintain washing and disinfection results. Ugaiya Vacuum boiling washer adopts drying method of 'vacuum drying + continuous vacuum drying', which extremely improves the drying efficiency compared with hot air drying of common automatic washers.

Reliable Control System

- Colorful touch screen in EN/CN language with real time displaying of running data and working status; Siemens PLC controlling system achieves functions of automatic trouble diagnosis, alarm and remote controlling & diagnosis.
- More than 60 programs can be set to satisfy customers' specific needs;
- Built-in needle type printer with more than 10 years storage period of printing record;
- USB storage in 1000 pieces washing record is available for convenient traceability management of washing quality.

Professional procedures



Application

Compatible Instruments

Common surgical instruments, rigid endoscopes, dental instruments, hollow instruments with 0.6mm diameter, silicon consumables, other instruments placed in the container with locker.

Especially for the following sizes of instruments:

With 1mm of inner diameter and 1.5m of length

With 3mm of inner diameter and 3m of length

With 0.4mm of inner diameter and 600mm of length (for suction tube, ≥ 0.6 mm of inner diameter)

Non-compatible Instruments

Flexible endoscopes, sealed container, flexible bone drills, suction tube with <0.6 mm diameter, hollow instruments blocked by blood dirt, and other instruments, which can not sustain negative pressure.

Ugaiya medical automatic washer UG-VBW model is your best choice.

Medical Automatic Washer

Model UG-VBW160



Model	UG-VBW160
External dimension (D*W*H)	850*900*1900mm
Chamber dimension(D*W*H)	630*570*480mm
Heating type	Steam heating
Capacity	10 baskets (560*240*50mm)
Disinfection temperature	93°C 10min, BGA B level
Chamber material	SUS304 Mirror panel
Pressure	-0.1~0MPa
Door material	SUS304
Door lock type	Pneumatic seal

UG-VBW230, UG-VBW400



Model	UG-VBW230	UG-VBW400
External dimension (D*W*H)	785 ×1200 ×2000mm	1000×1200×2000mm
Chamber dimension (D*W*H)	562×675×685mm	835×690×695mm
Heating type	Steam heating	Steam heating
Capacity	16 baskets (560*240*50mm)	24 baskets (560*240*50mm)
Disinfection temperature	93°C 10min, BGA B level	93°C 10min, BGA B level
Chamber material	SUS304 Mirror panel	SUS304 Mirror panel
Pressure	-0.1~0MPa	-0.1~0MPa
Door material	SUS304	SUS304
Door lock type	Pneumatic seal	Pneumatic seal

Consumables

1. Cleaning Agent

- ☆Proteolytic enzyme, lipase and many other enzymes; weak alkalinity and mild action;
- ☆Ultra-concentration, low foam, rinsing by diluent for 2 minutes to break down contaminants;
- ☆No corrosion and aging effects to precise medical instruments.

【Application】

Used for washing rigid/flexible endoscopes, surgical instruments, hollows, silica, medical plastic and lab glassware.

【Packing】 5L/Bottle.



2. Lubricating Oil

- ☆It forms protective film on the surface of instruments; low foam
- ☆No hazard; no corrosion and residue; environment friendly.

【Application】

Used for lubrication of surgical instruments & stainless steel device both in washer and manual wash.

Packing: 5L/Bottle

【Packing】 5L/Bottle.



3. Rust Agent

- ☆It is used for rust removal on stainless steel, and applicable to rust caused by hard water and chemical corrosion.
- ☆It could form a protective layer on the surface of instrument.

【Application】

Rust removal for stainless steel surgical instruments and diagnosis instruments, Stainless steel baskets, trays and containers; sterilizer, washer and other medical devices.

【Packing】 2.5L/Bottle.



4. Washing Test Indicator

It is made of organic glass and 304 Stainless steel. The contaminant on indicator is a kind of chemical simulator.

【Usage】

Stick the indicator to instrument basket, then start the washing procedure as requirement to be set.

【Check method】

Visually check if there is residue or stain on the indicator after the washing procedures.

