



ACOTA

Washer-disinfector ACT-S-320

Heating type either by heating tube either by steam.
Upon order request

Product introduction

ACT-S-320 is with manual door open type washer-disinfector that researched and developed according to requirements of smaller space installation. The function and washing effecting is equal to ACT-S-520, It is also can be used for disinfection of surgical instruments, wares, medical trays and plates, anesthesia instruments and corrugated hoses in hospital CSSD or operating room.



ACT-S-320
Volume 320 liters

Product features

• Door Structure

It adopts double pull-down door structure. After opening the door, it can be regarded as a working platform for loading the washing rack and items. The double doors are interlocked and with self-lock function. Thanks to this design, front door for loading and rear door for unloading are realized.

• Strong glass window

Three layers tempered glass window with excellent sealing ensures the security, isolation and easily observing during washing process.

• Material & Structure

Internal chamber in 316L stainless steel with super smooth finishing secures the no virus left, in the meantime, it is with 3D wash arms secures the best spray effect, stainless steel filters secures the long time usage.

External is made in 304 stainless steel and 3-layers tempered glass window for easy observing during the process. With the material adopting and robot-welding, it realizes with total no angles and sharps corners at all.

• Build-in steam condenser

Build-in steam condenser system with cross-over type for steam directing to minimize direct shock to the cooling water and remove entry vapors to the washing procedure.

• Steam condensers

Two individual panels connection to the two individual steam condensers make it better efficient.

• Additional usage

The unit can be connected to an external steam generator to use with steam.

• Outstanding loading capacity

12 Din Trays per cycle in four layers.

• Flexible Adjustable parameters

Time and temperature can be adjusted during the six stages includes Pre-washing, Washing, Rinse1, Rinse2, Disinfection, Drying. It is integrated with an air system for drying with adjustable temperature and all process time settings.

• Operating system

LCD display screen can shows all the temperature, pressure, time, process stage and parameter. Easily operation by touch button on the panel.

Siemens PLC control system ensures the machine intelligent running and control, Built-in printer can automatically record the temperature, pressure time, graph and A0 value.

• A variety of programs

20 preset programs and 20 user-defined programs which can be edited according to user requirements.

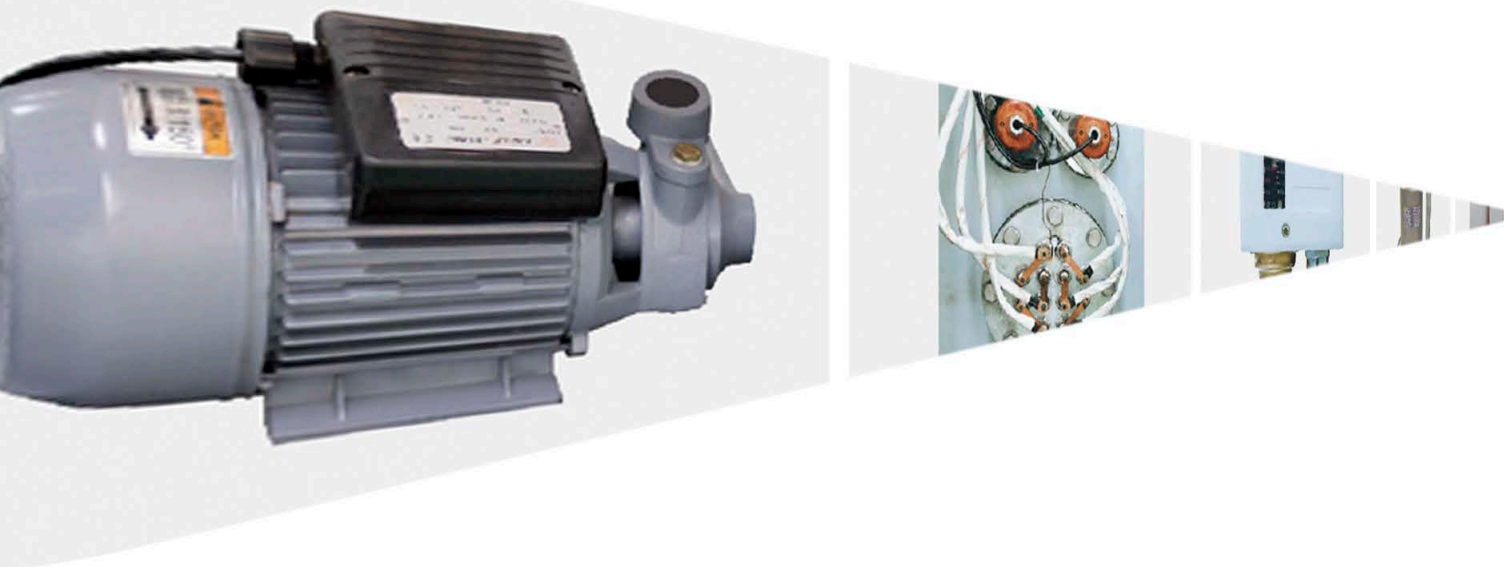
• Water purifier needed

The unit shall be working with ACOTA ACRO water purifier (three filtration system) series to secure the purified certified water in.

• Accurate meter pumps

Equipped with two automatic liquid dispensing pumps with level control.

Another four detergent pumps, and four lubricant pumps are also including.



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SG-L-Series Steam Generator

Product Features

- Small size, no pollution, reliable and easy to operate.
- Fully automatic water injection, automatic steam-generation, automatic water-lack protection, automatic excessive-pressure protect.
- Electric float system monitors the water level to secure the best usage.
- Various electric resistances (heating tube) can be selected for different washers.
- Electric heating tube is made of jointless stainless steel which has a long usage life.
- Single tube and double tubes can be changed to control the energy saving.
- Through the transparent water-level gauge, the water level in the generator can be displayed visually.
- Variety of heating power and steam production meet the variety of requirements Booster pump, pressure controller, safety vale and liquid level meters make the unit reliable.



Technical parameter for ACT-S-320

Dimension	Chamber dimension/capacity (L×W×H)mm/L		Overall dimension (L×W×H)mm		Washing rack dimension (L×W×H)mm		Net weight (Kg)	Running weight (Kg)
	601×592×987/320		760×710×1930		590×554×630		300Kg	350Kg
Parameter	Disinfection temperature	Wash temperature	Disinfection time		Cycle time		Drying temperature	
	80℃~93℃	45℃	0~99mins		Electric heated 42 min Steam heated 36 min		70~110℃	
Max. loading capacity	Standard DIN tray		Middle dressing bowl(16cm)		Middle kidney basin		All capacity	
	10 (480×250×50mm)		36 Pieces		48 Pieces		320L	
Energy supply	RO water		Driving power (steam heated)		Driving power (steam heated)		Saturated steam	
	Pressure MPa	Flow	Voltage /Frequency	Input power	Voltage / Frequency	Power	Pressure MPa	Flow
	0.2~0.5	1000Kg/h	380/50HZ	22.5KW	380/50Hz	9KW	0.3~0.5	1000Kg/h
Energy consumption (Standard program)	Saturated steam Kg/cycle		RO water Kg/cycle		Washing detergent		Power (Electric heated)	Power (Steam heated)
	10		100		25000ml ×concentration ratio		10.5KWh	4.5Kwh

Optional power: 220V 60HZ

Language available : Dutch, English, Spanish, French

External water softener can be equipped to secures the certified water supply

Volume available

Model / water purifier	ACRO-300
Volume – liters	300

Standard delivery contains

1. A starting kit accessories
2. Standard rack
3. Basic set of detergent and chemical lubricant
4. Another four detergent pumps, and four lubricant pumps are also including.



Model	Item code	Max steam production	Max working temp	Max working pressure	Net weight	Overall dim (WxHxDmm)	Input power (kVA)	Power supply (V/Hz)
MAST-H	SG-L-40	53kg/hour	167	0.65MPa	145kg	494X1550X796	40	AC220 60Hz
	SG-L-60	80kg/hour	167	0.65MPa	145kg	494X1550X796	60	

Various fittings are available

ACOTA can supply different kinds of loading equipments and fittings to satisfy your requirement. No matter what kind of instrument you want to process, we can supply corresponding comprehensive solutions.



Four/Five –level washing racks —Standard

They are mainly used in surgical instruments putting in DIN trays.

Notice: Washing racks are not recommended to load bowls and kidney trays.



Glassware washing racks —Optional

It is used to clean glasswares.

Notice: Due to a wide range of glasswares, we need users offer the size.



Racks for bowls and kidney trays —Optional

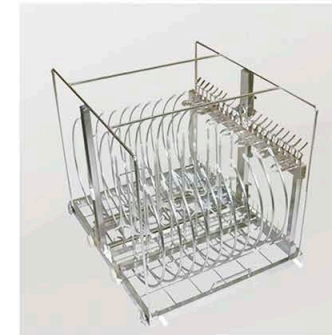
It is used to clean bowls and kidney trays

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Washing racks for other items can be customized according to users demands.



Anaesthesia/ Respiration tube racks —Optional

It is used to clean anaesthesia/ respiration tubes or veil.



Humidifying bottle racks —Optional

Mainly used for cleaning humidifying bottles. It also can be used to clean suitable sized test tubes, beakers, measuring cylinder utensils and vessels.



Other fittings —Standard two units

ACOTA will supply professional trolleys fitted with the equipment for washing racks transportation, and also ancillary equipments such as storage tables and transfer orbit, so that our equipment will be more in line with the humanism and ergonomic requirements.



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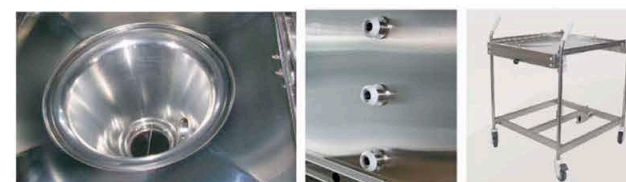
- **Energy saving**

Washing chamber with nice water saving structure; Pre-heat water tanks and special designed rising and heating system and pipeline layout make it save 30% water and energy consumption than ever.

- **Fast and high efficiency**

ACT-S-520 is one of the fastest washer-disinfector in the world, which the standard cycle time is reduced to 28mins, including pre-washing, washing, 1st rising, 2nd rising, disinfection and drying. Meanwhile it can process 15 DIN trays per cycle.

Water preheat system reduced the preparation time, there is no waiting time during the cycle running.



Product introduction

ACT-S-520 automatic washer-disinfector is high efficient washing equipment that researched and developed according to hospital actual situation. It is widely used for washing and disinfection of surgical instruments, wares, medical trays and plates, anesthesia instruments and corrugated hose in hospital CSSD or operating room. The greatest advantage of the equipment is labor-saving with fast washing speed which could shorten 1/3 operation time than ever.



ACT-S-520

Product features

- **Superb chamber design and process**

The conical chamber in SUS316L is stretch forming at one time without dead corner and welding joint, which is better for smoothly draining and water saving.

- **Intelligent control system**

Double sides automatic vertical sliding doors, controlled by touch screen, which is convenient and safety. Cycle process is intelligent controlled by PLC, no need labor control. All the temperature, pressure, time, process stages, alarm can be shown on the touch screen and also be recorded by the built-in printers.

- **A variety of programs**

20 preset programs and 21 user-defined programs which can be defined according to user requirements

- **Easy loading and unloading**

Manual or automatic systems for loading and unloading are available. Washing rack, transfer trolley and convey system, fit in with the design of ergonomics, easy to operate and placement.

Technical parameter for ACT-S-520

Dimension	Chamber dimension/capacity (L×W×H)mm/L		Overall dimension (L×W×H)mm		Washing rack dimension (L×W×H)mm		Transfer trolley dimension (L×W×H)mm		Net weight (Kg)	Running weight (Kg)
	800×700×930/520		1000×1270×1870		794×652×630		880×710×985		500Kg	600Kg
Parameter	Disinfection temperature		Wash temperature		Disinfection time		Cycle time (Stand program)		Drying temperature	
	80℃~93℃		45℃		0~999s		28min		70~120℃	
Max. loading capacity	Standard DIN tray		Middle dressing bowl(16cm)		Middle kidney basin		Anesthesia / Respiration tubes		All capacity	
	15pieces(480×250×50)		168 Pieces (specified rack)		144pieces(specified rack)		4-6		520L	
Energy supply	Saturated steam		RO water		Compressed air		Control power		Driving power	
	Pressure MPa	Flow	Pressure MPa	Flow	Pressure MPa	Flow	Voltage /Frequency	Power	Voltage /Frequency	Power
	0.3~0.5	50Kg/h	0.2~0.5	2000Kg/h	0.4~0.7	100L/min	220/50HZ	0.5KW	380/50HZ	16.5KW
Energy consumption (Standard program)	Saturated steam		Water		Washing detergent		Anti-rust lubricating agent		Power	
	7.8Kg/Cycle		100L/Cycle		25000ml ×concentration ratio		25000ml ×concentration ratio		2.8KWh	

Optional power: 220V 60HZ

Language available : Dutch, English, Spanish, French

External water purifier can be equipped to secures the certified water supply
Volume available

Model/ water purifier	ACRO-500
Volume – liters	500

Standard delivery contains

1. A starting kit accessories
2. Standard rack
3. Basic set of detergent and chemical lubricant

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