

## Advanced



### Colorful LCD screen

LCD screen with English and Chinese choice, using text, data, and graphical methods to dynamically display various statuses, the sterilization process is clear at a glance



### 5 level access permission

The operation permissions for instruments are divided into five levels, with each level of user having an independent password and multiple IDs that can be assigned. Each level of user has limited access to certain usage permissions



### 6 level of exhaust speed control (SW,SR,SP only)

After sterilization,you can choose different exhaust speed, and you can adjust it freely at any time of exhausting



### Fast cooling fan

To shorten cooling process after sterilization



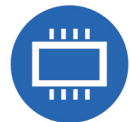
### Condenser(Optional)

Equipped with a professional condenser, the steam generated during the sterilization process is converted into water through the condenser, achieving zero discharge of water vapor/mist.



### Auto water fill(Optional)

Offer pipe and pump to connect to the direct water supply to achieve automatic water feeding, must be added while production.



### F0 value caculation

F0 value is automatic caculated, can print out by micro-printer



### Less smell

### DedORIZATION(SX only)

A unique odor treatment system that can absorb odors and remove smell generated during the sterilization process, ensuring fresh laboratory air.



### Drying (SR only)

Fully automatic drying: Equipped with an air pump and a 0.2um air filter, it automatically starts drying after sterilization. After sterilization, clean air will be put in to replace the wet air inside, so as to improve drying efficiency. (Fully automatic drying is an option for SR only )



### Air inlet filter(SX,SP as standard,SR as option)

Filtration is higher than 99.99% in particle with diameter of 0.2 μm.



### Vacuum

### Vacuum pump(SP only)

Original imported vacuum pump from Germany, with good vacuum effect



### Monitor of exhaust filter(SWS,SRS only)

Exhaust filter is put inside a pressure resistant housing (stainless steel material) with an extra PT100 temperature sensor to monitor the temperature, so as to make sure the filter and housing are also being sterilized thoroughly, and will not lead to secondary biohazard pollution



### Biosafety function (SWS,SRS only)

Use a 0.2 μm PTFE filter packed in a housing to ensure that no biohazard aerosols, microorganisms and viruses are passing out through the filter during exhausting, so as to make sure the biology safety of the lab.

### powerful

### Fully automatic drying(SR only)

Equipped with an air pump and a 0.2um air filter, it automatically starts drying after sterilization. After sterilization, clean air will be put in to replace the wet air inside, so as to improve drying efficiency.

### Vacuum

### Vacuum drying(SP only)

Set drying temperature and time, and start vacuum drying after sterilization

## intelligent

### Calibration port

Offer temp.and pressure interface, together with the 3Q adapter joints, can insert max 15 sensors one time to do the calibration work

### Saturated steam monitoring

The system automatically monitors the purge out of cold air to ensure the pure steam environment

## intelligent

### Program memory storage system

User can set their own program, and saved in system.

### Special software for drug packaging materials (option)

The product meets the 2020 Chinese Pharmacopoeia or EP10.2 standards

## hommization

### Just right depth

Conforming to ergonomics, the chamber depths of 29/54/80/100L chamber are 378/725/670/780 (mm), making it easy to take and place samples and maintain the instrument

### Front water tank

Front water tank, easy to plug in and out. (SW/SX only )

Zealway(Xiamen)Instrument Inc.

Youtube: Zealway autoclave

www.zealway.us

No.51, Zhennan 7<sup>th</sup> Road, Tongan, Xiamen, China

ZEALWAY

# GI Series Vertical Autoclave

—Lab models

Professional Sterilization Solution Provide

Leading manufacturer of autoclave

ZEALWAY has always prioritized safety since its establishment, adhering to the highest industry standards and providing multiple safety guarantees from design, manufacturing,use,application to service.



Buyer Guide

Model \ Function	GISW	GISR	GISX	GISP
6 level exhaust speed control	Standard	Standard	—	Standard
Auto water fill	Option	Option	Option	Standard
Condensor	Option	Option	Standard	Standard
DedORIZATION	—	Standard	Standard	—
Drying	—	Standard(Semi-automatic drying) Option(fully automatic drying)	—	Vacuum drying
Cooling fan	Standard	Standard	Standard 2 pcs	Standard 2 pcs
Access permission	5 level	5 level	5 level	5 level
USB port	Standard	Standard	Standard	Standard
Sterilization record	Standard	Standard	Standard	Standard
Printing set	Option	Option	Option	Just need printer
Micro-printer	Option	Option	Option	Option
Display system	LCD	LCD	LCD	LCD
Load thermometer (floating PT100 sensor)	Option	Option	Option	Option
Auto drainage	Option	Option	Option	Option
Steam collecting way	Internal	Internal	Internal	Internal
Prevacuum	—	—	—	Standard
Auto cleaning	Option	Option	Option	Option
Digital pressure sensor	Option	Option	Option	Standard
Inlet air filter	—	Option	Standard	Standard
Air pump	—	Option	Standard	Standard
S Biosafety function	GI-SWS only	GI-SRS only	—	—

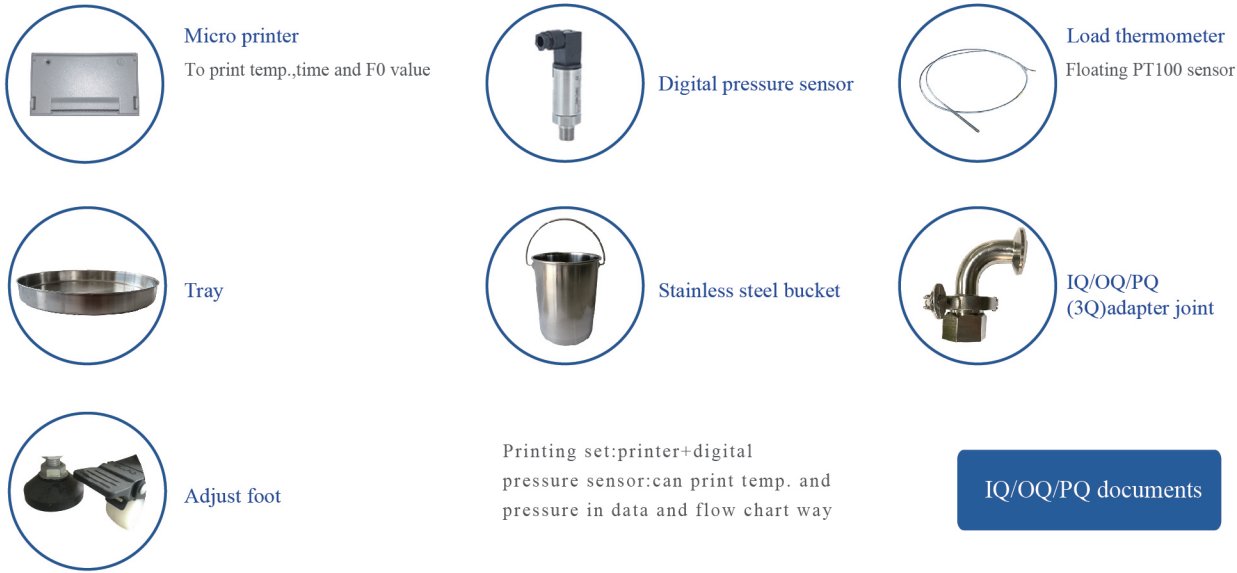
Note: Requirements for sterilization water: distilled water (conductivity not less than 3 μ S/cm)  
When configured as an S biosafety type, a condenser is standard

Technical Specification

Model	Standard	Standard G129SW	GI54SW	GI80SW	GI100SW
	Drying		GI54SR	GI80SR	GI100SR
	Dedorization		GI54SX	GI80SX	GI100SX
	Vacuum		GI54SP	GI80SP	GI100SP
Capacity(L)		29	54	80	100
Dimension (LxWxH) (mm)	SW	460x542x976	460x542x1105	620x745x1090	620x745x1200
	SR		460x542x1105	620x726x1090	620x730x1200
	SX		460x660x1105	620x745x1090	620x745x1200
	SP		460x785x1105	620x900x1090	620x900x1200
Chamber dimension (Dia*H)(mm)		Φ320x378	Φ320x725	Φ400x700	Φ400x800
Rated power(W)		2300	2600	4600(2900 as option)	4600
Sus304 basket size(pcs)		(Φ298x260) x1	(Φ298x195) x3	(Φ360x275) x2	(Φ360x215) x3
Power requirement			220V±10% 16A 50HZ/60HZ		220V±10% 32A 50HZ/60HZ
Temperature display accuracy			0.1℃		
Working environment			5℃~40℃ Relative humidity ≤85%		
Chamber material			SUS304 stainless steel (316L as option)		
Sterilization temp. range			105℃~135℃		
Sterilization time range			1~6000 min		
Melting temp. range			60℃~115℃		
Melting time			1~6000 min		
Warming temp.			45℃~79℃		
Warming time			1~9999 min		
Memory function			60 program saved in system,999 cycles saved by USB		
Appointment timer range			Auto start up appointment)0~15 days		
Exhaust speed control			Fully automatic internal discharging with 6 levels choice		
Sterilization mode			Liquid,liquid with warming,solid,wrapped instrument,fabric,rubber,fast,waste,agar,self-defined Drying(SR、 SP only)、 Vacuum leak test(SP only)、 BD test(SP only)		
Drying(SR、 SP only)			Drying time: 1~300min Drying temp.: 80~160℃		
Controller			"SMART III" smart microcomputer controller		
Cooling way			Fast cooling fan		
Pressure gauge range			-0.1~0.5MPa		
Pressure valve set pressure			0.29Mpa		
Vacuum pump			Pulse times: 1~9 times Vacuum degree: ≤-80kpa Vacuum leakage rate (per min)<0.13kpa		
Safety device			Lid closing checking,dry scorch protection,,safety valve,water level sensor,over temperature/pressure protection, temperature/pressure monitor, elctricity safety(over current/short circuit/leakage),cooling lock,anti-scald lid and bench corner,automatic troubleshooting		

Note :Baskets can also be customized, as well as melting and warming temperature range

Spare part option



Safety Features

