

Technical Specification

ZEALWAY

ISO9001/ISO13485/CE

GWA Series Horizontal Autoclave

Model	Standard	GWA180DA	GWA280DA	GWA350SD-D (Pass through, double door)
	Vacuum pump	GWA180DQ	GWA280DQ	GWA350DQ-D (Pass through, double door)
Capacity(L)		180	280	350
Dimension(L*W*H)(mm)		796*1485*1612		1056*1451*1734
Chamber dimension(mm)		Φ500*1150	Φ600*1175	Φ600*1240
Net weight		650kg	720kg	800kg
Power			16KW	
Chamber material			S30408	
Sterilization temp.			115°C~135°C	
Rated working pressure			0.25MPa	
Pressure gauge range			-0.1~0.5MPa	
Safety valve set pressure			0.28MPa	
Sterilization time range			1~6000 min	
Drying time range(DQ only)			0~300 min	
Pulse times(DQ only)			1-99 times	
Vacuum degree (DQ only)			≤-93kpa	
Vacuum leakage rate (per minute)(DQ only)			< 0.13kpa	
Controller		PLC industrial control system		
Sterilization mode		Liquid, Liquid with warming, Rubber, Hollow instrument, Solid 1, Solid 2, Wrapped instrument, Fabric, Self-defined, Safety valve test, BD test(DQ only), vacuum leakage test(DQ only)		
Safety device		Evenly distributed inter lock, auto door lock, water level detection, safety valve, over pressure protection, trouble shooting, electric protection		
Accessory		Stainless steel baskets with wheels(x2), storage plate		
Option		Load thermometer(Floating PT100 sensor), printer, USB, trolley(280L only),3Q adapting joint,IQ/OQ/PQ documents, water supply pressure sensor		
L models option		Chamber material can be updated to SUS316L.		
Difference between GWA-DA and GWA-DQ		GWA-SA has no vacuum, no drying, no water cooling compared to DQ, and with less sterilization mode		



Installation requirements

Working power: Three-phase five-wire system 380N 50/60HZ

Water source requirements for tap water: pressure 0.15~0.3MPa

Requirements for softened water source: pressure 0~0.3MPa (no lower limit requirement for conductivity)

Drainage requirements: with sewage

Zealway(Xiamen)Instrument Inc.

Youtube: Zealway autoclave

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Professional Sterilization Solution Provider

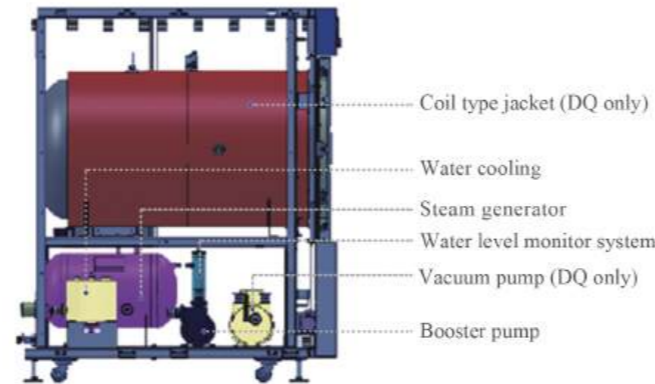
Leading Sterilization Solution Provider

Product comply to: EN285, GB8599,2014/68/EU

Nice Look



Reliable Structure



Safety

Evenly distributed inter lock

Pressure evenly distributed, safer than traditional door

Auto door lock

Machine can not start if lid is not locking well by checking mechanically and electrically.

Water level monitor system

Automatic detection of steam generator water level, automatic supply in case of water shortage, no lower limit requirement for conductivity, suitable for users with pure water pipelines, superior to traditional conductivity water level detection methods

Managment

The instrument requires a key to power on for a good control of the instrument

Emergency stop button

Can stop the machine by one button in emergency situation

Double protection for over pressure

Mechanical and electric sensing system, once pressure is abnormal, system will cut power, release the pressure and send out alarm.

Automatic trouble shooting

System will monitor the working status, and will cut the power, send out alarm, and report the error information once any abnormal situation detected.

Temperature detection

The system monitors the temperature changes in the sterilization chamber in real-time. Once the temperature is too high or abnormal, the power is immediately cut off for protection

Electrical protection

Equipped with a highly sensitive electrical protection system, effectively providing leakage, overcurrent, and short circuit protection.

Multiple monitoring system

Multiple pressure and temperature sensors to detect temperature and pressure in different parts

5 level of permission management

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

Support/Anti pressure system(Option)

A system to help prevent overflow of the sterilized liquid during the sterilization process and to help prevent bursting of the sealed bags/cans/bottles.

Advanced



Automatic door

Simply push the chamber door lightly and the system will automatically lock; Click the open door button, the chamber door will automatically open



Automatic door

Simply push the chamber door lightly and the system will automatically lock; Click the open door button, the chamber door will automatically open



Fast cooling system(DQ only)

After sterilization, water will flow into the pipe around chamber to cool the chamber rapidly, good for the liquid or media.



Pre vacuum+vacuum drying(DQ only)

Equipped with internationally renowned brand vacuum pumps, with good pre vacuum effect and fast vacuum drying speed



PLC Industrial control system

Professional industrial control system with high stability, achieving fully automatic and dynamic control of the sterilization process, and can be easily maintained, queried, verified, recorded, and extended for upgrading



Separate steam generator

Adopting a high-power three-way heating device, it automatically generates steam to supply the sterilization chamber, and has functions such as automatic control of water inlet, heating, and prevention of dry burning and overpressure



6 level of exhaust speed control

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



Drainage temperature can be set

Provide a large capacity water tank that can set the temperature for the discharge of sterilized water, so as to protect your sewer piping



7 inch touch screen

LCD touch screen, using text, data, and graphical methods to dynamically display various states, and using touch control to facilitate human-machine dialogue and editing operation steps



L models (Option)

Chamber material can be updated to SUS316L