

STALWART

Horizontal Autoclave SGW-Series



SGW Series

Introduction

Automatic Door

Just push the chamber door gently, the system will lock automatically, click the open button, and the chamber door will open automatically.

Air Filtration

Equipped with imported air filter, the filtering effect can reach 0.1um level, and the performance is much better than the traditional 0.2um level, so as to ensure that the clean gas enters the cavity.

Rapid Cooling System

After sterilization, the coil type jacket is filled with cold water, and the rapid cooling system is started to speed up the cooling process, especially suitable for cooling after sterilization of liquid culture medium

Pulse pre vacuum+ vacuum drying

Use the world's first class vacuum pump to ensure good pre vacuum effect and fast vacuum drying speed

PLC industrial control system

Professional industrial control system, with high stability, realizes full-automatic dynamic control of sterilization process, and can be easily maintained, queried, verified, recorder expanded and upgraded

Independent steam generator

It adopts high-power three-way heating devices to automatically generate steam to supply the chamber of sterilizer, and has the functions of automatic control of water inflow, heating, dry burning prevention, overpressure prevention, etc

Six stage steam exhausting

Six different exhaust speeds can be selected after sterilization to speed up the cooling process and prevent overheating.

Zero steam discharge, drainage temperature can be set

Provide large capacity water tank, when can set the temperature of sterilization water discharge

LCD touch screen

Multilingual LCD touch screen, dynamic display of various states by means by text, data and diagram, convenient man-machine dialogue editing operation steps by means of touch control

Specification

Item	SGW-180DQ	SGW-280DQ
Capacity (L)	180	280
Dimension (LxWxH)(mm)	800x1450x1500	
Chamber Dimension(mm)	Ø500x1000	Ø600x1000
Net Weight	650Kg	720Kg
Power	16W	
Chamber Material	SUS304	
Sterilization Temperature	115-135°C	
Rated Working Pressure	0.25Mpa	
Pressure Gauge Range	-0.1-0.5Mpa	
Safety valve pipping pressure	0.29Mpa	
Sterilization time range	1-6000 minutes	
Drying time range	0-300 minutes	
Pulse times	1-99 times	
Vacuum degree	≤-93kpa	
Vacuum leakage rate	<0.13kpa/minute	
Controller	PLC industrial control system	
Sterilization mode	Fabric, Device, Liquid, B-D test, Vacuum test, self-defined	
Safety device	Evenly distributed inter locker, auto door lock, water level detection, safety valve, over pressure protection, trouble shooting, electric protection.	
Accessory	Stainless steel with wheel (x2), storage plate	
Option	Load thermometer, printer, water supply pressure sensor, trolley, 3Q interface, 3Q/4Q calibration	
H models	Material can be updated to SUS316 controller updated to Siemens industrial control system	
Power supply	Three phase five wire system, 380V, 50/60HZ,	

Safety Devices

Safety door locking way

The door locking device is more evenly stressed and safer than the traditional door locking device

Automatic door-lock

Only can be started when the chamber door is locked. When the temperature and pressure are in an unsafe state, the door cannot be opened.

New water level monitoring system

Automatic detection of water level, automatic water replenishment in case of water shortage, no requirement for lower limit of conductivity, suitable for users with pure water pipeline, superior to traditional conductivity type water level electrode detection way.

Administration

The instrument needs a key for power on, which is convenient for good control of the instrument.

Emergency stop watch

In case of abnormality, the machine can be shut down in an emergency to deal with the abnormality.

Over Voltage double detection

Equipped with mechanical safety valve and electronic overpressure protection system, once the pressure is abnormal, the pressure can be released, power off and send alarm.

Automatic fault detection system

The system monitors the operation status in real time. In case of any abnormality, it will cut off the power supply and given an alarm, and display the fault information at the same time.

Temperature monitoring

The system monitors the temperature change in the sterilization chamber In real time. Once the temperature is too high or the temperature rises abnormally, the power is cut off immediately for protection.

Electrical Protection

Adopt high sensitive electrical protection system to effectively provide leakage, over-current and short-circuit protection.

Multiple monitoring system

Multiple pressure and temperature sensors to detect the temperature and pressure of different parts.

Five level authority management

The operation authority of the instrument is divided into five levels, each level of user has an independent password, the operator can assign 20 IDS, and each level of user is limited in different use authority.