

QUIMICOMPANY

EQUIPOS E INSUMOS PARA LABORATORIO

ZEALWAY

VERTICAL AUTOCLAVE 110L



REF: GR110SA
Standard



ISO9001/ISO13485/CE

Spare part option



Micro printer

To print temp., time and FO value



Digital pressure sensor



Load thermometer

(Floating PT100 sensor)



Tray



Stainless steel bucket



IQ/OQ/PQ (3Q) adapter joint



Adjust foot

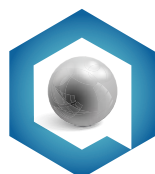
Printing set printer+digital pressure sensor: can print temp. and pressure in data and flow chart way

IQ/OQ/PQ documents
USB: to transfer the data by USB
LCD: change display screen from LED to LCD (option)

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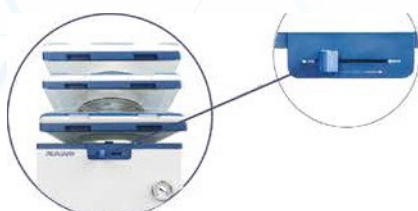
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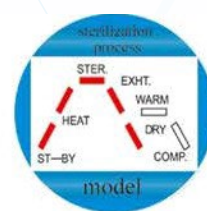


Fast cooling fan

Standard with fast cooling fan
Can to shorten the whole cycle

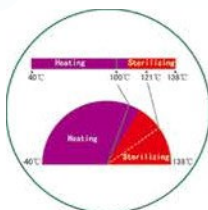


Up and down flip open, vertical chamber;
One move by one hand can easily open and close

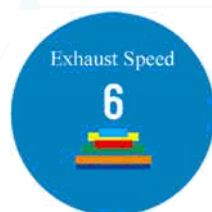


Preset diverse programs

Flow chart show the process, press DATA at any time can check the current program setting

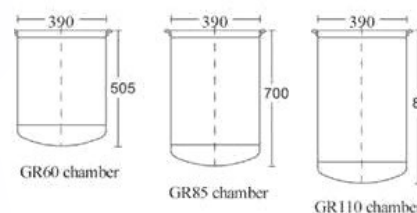


Highest working temp. 138°C



6 levels of exhaust speed control

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



39CM big diameter in all GR series, more useful in application

SUS316L Stainless steel(Optional)

Stronger corrosion, longer service life, and greater pressure resistance.

LCD/USB(Optional)

LCD: 5 inch LCD screen to show information in words.

USB to help to store and transfer the sterilization data.

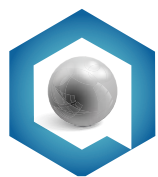
Condenser(Optional)

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.

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Smart microcomputer control

"Inspiration" high speed microcomputer control, not only to monitor and control the whole process, but also to update the function in the future.

Program Memory storage system

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

Calibration interface

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 ensure the pure steam environment

Humanized permission management

The management of the autoclave is classified into 3 levels, user-administrador-engineer, to make sure proper usage

Agar program

Can heat up, melt, warm the agar or used as chamber preheating function

Waste program

Special waste program to sterilize the waste thoroughly

Auto start up appointment

Can make an appointment in 0-15 days

Option for all model

Hepa filter (0.2um, efficiency 99.90%) for exhaust+one steam condensor

Safety features

Humanized design: The lid and bench corners are covered with insulation to avoid getting scald.

Interlocking device: The exclusive patented "eight" column evenly distributed" interlock device is safer and more reliable than ordinary interlocking devices.

Lid closing checking: Machine can not start if lid is not locking well by checking mechanically and electrically

Real time monitor: System will monitor the lid locking, pressure and temperature status on a real time basis to guarantee the safe and successful work of the autoclave.

Cooling lock OPEN temperature: Each program can set different lid OPEN temperatures, especially for liquid program, so as to prevent user from opening lid and causing burns when the articles are still in a high temperature state

Triple protection for lack of water: The bottom of the sterilization chamber is equipped with three different dry burning protection devices: liquid expansion type, copper temperature sensing type, and electric ion type (water level sensor), to avoid misjudgment caused by a single method.

Double protection for over pressure: Mechanical pressure gauge and electric sensing system, once pressure is abnormal, system will cut power, release the pressure and send out alarm

Auto 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

Safety test function: Regular testing of system security and safety protection measures is possible

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

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Technical specifications

Parameters	Description
Capacity	110L
Dimension (L x W x H) mm	644x660x980
Chamber dimension (Diam x H) mm	ø390 x 895
Rated power (W)	4600
SUS 304 Basket (Diam x H) (Note 1)	(ø370 x 250) x 3 und
Power requirement	220V ±10% 15A 50HZ/60HZ
Temperature display accuracy	0.1°C
Working environment	5°C ~ 40°C relative humidity ≤85%
Chamber material	SUS304 stainless steel
Sterilization temp. range	105°C ~ 138°C
Sterilization time. range	1 ~ 6000 min
Melting temp. range	60°C ~ 115°C
Melting time	1 ~ 6000 min
Warming temp	45°C ~ 79°C
Warming time	1 ~ 9999 min
Cooling lock OPEN temp. range	40°C ~ 99°C for solid, waste, agar, self-defined 40°C ~ 80°C(note 2) for liquid
Sterilization mode	Liquid, Liquid with warning, solid, Wrapped instrument, Fabric, Rubber, Fast, Waste, Agar, Self-defined
Program number saved	20 programs
Exhaust speed control	Fully automatic internal discharging with 6 levels choice
Lid open way	Flip open (up and down)
Water tank	2 Water tanks to collect steam
Appointment timer range	(Auto start up appointment) 0~15days
Pressure gauge range	-0.1~0.5MPa
Pressure valve set pressure	0.29 Mpa
Controller	"Inspiration" smart microcomputer controller
Safety Device	"Eight column evenly distributed" interlock device, electric double inter lock, lid closing checking, dry scorch protection, safety valve, water level sensor over temperature/pressure protection, temperature/pressure monitor, electricity safety(over current/short circuit/leakage), cooling lock, anti-scald lid and bench corner, automatic troubleshooting
Biosafety function	Option for 0.2um biosafety filter (basic model+S)

Note 1: Baskets can also be customized

Note 2: Cooling lock OPEN temp. is related to local boiling point

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