Technical Specification

Auto-water fill GR85SF	Model	Standard GR60SA	Standard GR85SA	Standard GR110SA
Capacity(L)		Auto water fill GR60SF	Auto water fill GR85SF	Auto water fill GR110SF
Dimension(L*W*H)(mm)		Auto drying GR60SR	Auto drying GR85SR	Auto drying GR110SR
Dimension(L*W*H)(mm)	Capacity(L)	60	85	110
SFSR: 6448313980 SFSR: 644831318180 Chamber dimension(Dia*H)(mm) 0-590x505 0-390x700 0-390x895 Rated power(W) 2900 4600 (2900 as option) 4600 SUS 304 Basket(Dia*H)(mm)(Note 1) (0-370x190) x2 (0-370x280) x2 (0-370x250) x3 Power requirement 220V±10% 16A 50HZ/60HZ 220V±10% 32A 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-188°C Sterilization time range 10-6000 min Melting temp. range 60°C-115°C Merming temp 45°C-79°C Warming time 1-6000 min Drying(only for 8R) Drying time: 1-300 min Drying temp: 80-160°C 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 warming solid, Wrapped instrument, Fabric, Rubber, Fast, Waste, Agar, Self-defined Program number saved SA.20 programs SFSR: 60 programs Exhaut speed control Fully automatic internal discharging with 6 levels choice Lid open way Flip open(up and down) Appointment timer range 40°C +99°C Pressure gauge range 40°C +90°C Pressure valve set pressure 0.29 Mpa Controller Fully automatic internal microcomputer controller Flips toolumn evenly distributed "interlock device, electric double interlock, lid closing checking, dry scorch protection, safety valve, water level sensor, over temperature pressure monitor, electricity safety (over carefs) or carefy over temperature pressure monitor, electricity safety (over carefs) or carefiely safety (over carefs) or carefield safety (over carefs) or carefield safety (over carefs) or carefield	Dimension(L*W*H)(mm)	SA: 644x660x980	SA: 644x660x980	SA: 644x660x980
Rated power(W) 2900 4600 (2900 as option) 4600 SUS 304 Basket(Dia®H)(mm)(Note 1) (Ø 370x190) x2 (Ø 370x280) x2 (Ø 370x250) x3 Power requirement 220V±10% 16A 50HZ/60HZ 220V±10% 32A 50HZ/60HZ 220V±10% 32A 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−13°C Melting temp, range 60°C−115°C Melting time 1−6000 min Warming temp Warming temp Drying(only for SR) Drying time: 1−6000 min Drying temp: 80−160°C 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 warming.solid,Wrapped instrument,Fabric.Rubber,Fast,Waste,Agar,Self-defined Fully automatic internal discharging with 6 levels choice Lid open way Fressure aguage range (Auto start up appointment)0 ~ 15 days Pressure gauge range (Auto start up appointment)0 ~ 15 days Pressure gauge range (Pispit 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 carefulled safety valve water level sensor, over temperature-pressure protection, temperature-pressure monitor, electricity safety/over carefulled safety valve water level sensor, over temperature-pressure protection, temperature-pressure monitor, electricity safety/over carefulled safety valve water level sensor, over temperature-pressure protection, temperature-pressure monitor, electricity safety/over carefulled safety valve water level sensor, over temperature-pressure protection, temperature-pressure monitor, electricity safety/over carefulled safety valve water level sensor, over temperature-pressure protection, temperature-pressure monitor, electricity safety/over carefulled safety valve water level sensor, over temperature-pressure protection, temperature-pressure monitor, electricity safety/over careful		SF/SR: 644x831x980	SF/SR: 644x831x980	SF/SR: 644x831x1180
SUS 304 Basket(Dia*H/mm)(Note 1) (\$\phi_370x190_) x2 (\$\phi_370x280_) x2 (\$\phi_370x250_) x3\$ Power requirement 220V±10% 16A 50HZ/60HZ 220V±10% 32A 50HZ/60HZ 220V±10% 32A 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 Drying(nolly for SR) Drying time: 1-300 min Drying temp: 80-160°C Cooling lock OPEN temp, range 40°C~90°C for solid,waste,agar,self-defined 40°C~80°C(note 2)for liquid Sterilization mode Liquid, Liquid with warming, solid, Wrapped instrument, Fabric, Rubber, Fast, Waste, Agar, Self-defined Program number saved SA-20 programs SF/SR-60 programs Exhaust speed control Fully automatic internal discharging with 6 levels choice Lid open way Fip open(up and down) Water tank SR:1 water tanks to collect steam SF:1 water storage tank more than SA SR:1 water tank to collect steam F1 water storage tank more than SA SR:1 water tank to collect steam SF-1 water storage tank more than SA SR:1 water tank to collect steam SF-1 water storage tank more than SA SR:1 water tank to collect steam SF-1 water storage tank more than SA SR:1 water tank to collect steam SF-1 water storage tank more than SA SR:1 water tank to collect steam SF-1 water storage tank more than SA SR:1 water tank to collect steam SF-1 water storage tank more than SA SR:1 water tank to collect steam SF-1 water storage tank more than SA SR:1 water tank to collect steam SF-1 water storage tank more than SA SR:1 water tank to collect steam SF-1 water storage tank more than SA SR:1 water tank to collect steam SF-1 water storage tank more than SA SR:1 water tank to collect steam SF-1 water storage tank more than SA SR:1 water tank to collect steam SF-1 water storage tank more than SA SR:1 water tank to collect steam SF-1 water storage tank more than SA SR-1 water tank to collect	Chamber dimension(Dia*H)(mm)	Ф390х505	Ф390х700	Ф390х895
Power requirement 220V±10% 16A 50HZ/60HZ 220V±10% 32A 50HZ/60HZ 220V±10% 32A 50HZ/60HZ Temperature display accuracy Working environment 5°C~40°C relative humidity≤85% Chamber material SUS304 stainless steel Sterilization temp. range 105°C~138°C Sterilization time range 60°C~115°C Melting temp. range 60°C~115°C Melting time 1-6000 min Warming temp Warming time Drying(only for SR) Drying time: 1-300 min Drying(only for SR) Cooling lock OPEN temp. range 40°C ~ 99°C for solid,waste,agar,self-defined Program number saved Sterilization mode Liquid,Liquid with warming,solid,Wrapped instrument,Fabric,Rubber,Fast,Waste,Agar,Self-defined Program number saved SA-20 programs Exhaust speed control Lid open way Filo poen(up and down) Water tank SA-2 water tanks to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank more than SA SR:1 water	Rated power(W)	2900	4600 (2900 as option)	4600
Temperature display accuracy Working environment 5°C~40°C relative humidity ≤85% Chamber material SUS304 stainless steel Sterilization temp, range 1-6000 min Melting temp, range 60°C~115°C Melting time 1-6000 min Warming temp Warming time Drying(only for SR) Cooling lock OPEN temp, range 40°C ~ 99°C for solid, waste, agar, self-defined Program number saved Sterilization mode Liquid, Liquid with warming, solid, Wrapped instrument, Fabric, Rubber, Fast, Waste, Agar, Self-defined Program number saved SA-20 programs Exhaust speed control Lid open way SA-2 water tanks to collect steams F1 water storage tank more than SA SR-1 water tank to collect steams F1 water storage tank more than SA SR-1 water tank to collect steams F1 water storage tank more than SA Pressure gauge range Pressure valve set pressure Controller "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, letterparture pressure monitor, electricity safety/over currents/safety/over	SUS 304 Basket(Dia*H)(mm)(Note 1)	(Φ 370x190) x2	(Φ 370x280) x2	(Ф 370x250)_x3
Working environment Chamber material SUS304 stainless steel Sterilization temp. range 105°C−138°C Sterilization time range 1−6000 min Melting temp. range Melting time 1−6000 min Warming temp 45°C−79°C Warming time 1−9999 min Drying(only for SR) Cooling lock OPEN temp. range 40°C − 99°C for solid,waste,agar,self-defined A0°C−80°C(note 2)for liquid Sterilization mode Liquid,Liquid with warming,solid,Wrapped instrument,Fabric,Rubber,Fast,Waste,Agar,Self-defined Program number saved SA:20 programs Exhaust speed control Lid open way Water tank Appointment timer range Pressure gauge range Pressure gauge range Controller "Eight column evenly distributed "interlock device, electric double inter touble-shooting electicity, safety (over current, short or circuit/eachage), cooling lock, call-section, deed for controller "Eight column evenly distributed "interlock device, electric double inter lock, lid closing checking, dry scorch protection, safety valve, water level sensor, over 1 emperature pressure protection, temperature pressure more, automatic rouble-shooting "Eight column evenly distributed "interlock device, electric double inter lock, lid closing checking, dry scorch protection, safety valve, water level sensor, over 1 emperature pressure protection, temperature pressu	Power requirement	220V±10% 16A 50HZ/60HZ	220V±10% 32A 50HZ/60HZ	220V±10% 32A 50HZ/60HZ
Chamber material SUS304 stainless steel Sterilization temp, range Sterilization time range 1-6000 min Melting temp. range Melting time 1-6000 min Warming temp Warming temp Torying(only for SR) Drying time: 1-300 min Drying temp: 80-160°C Cooling lock OPEN temp. range 40°C ~ 99°C for solid,waste,agar,self-defined Program number saved Liquid,Liquid with warming,solid,Wrapped instrument,Fabric,Rubber,Fast,Waste,Agar,Self-defined Program number saved SA:20 programs Exhaust speed control Lid open way Fully automatic internal discharging with 6 levels choice Lid open way SA:2 water tanks to collect steam SF:1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank (note 3) Appointment timer range (Auto start up appointment)0 ~ 15 days Pressure gauge range Pressure valve set pressure 0.29 Mpa Controller "Inspiration" smart microcomputer controller "Eight column evenly distributed "interlock device, electric double inter lock, lid closing checking,dry scorch protection, safety valve, water level sensor, over temperature pressure possure unitor, electricity safety(over current/short circuit (eakage), cooling lock, anti-scall do and beneh corner, automatic trobbeshooting afterly over current/short circuit (eakage), cooling lock, anti-scall did and beneh corner, automatic trobbeshooting.	Temperature display accuracy	0.1℃		
Sterilization temp. range Sterilization time range Melting temp. range Melting time Melting time Merry Grow Grow Grow Grow Grow Grow Grow Grow	Working environment	5°C~40°C relative humidity ≤85%		
Sterilization time range Melting temp. range Melting time Melting time Merry Marming temp Marming temp Marming temp Marming time Drying(only for SR) Drying time: 1~300 min Drying temp: 80~160°C Cooling lock OPEN temp. range 40°C ~ 99°C for solid,waste,agar,self-defined Sterilization mode Liquid,Liquid with warming,solid,Wrapped instrument,Fabric,Rubber,Fast,Waste,Agar,Self-defined Program number saved SA-20 programs Exhaust speed control Fully automatic internal discharging with 6 levels choice Lid open way Flip open(up and down) Water tank SA-2 water tanks to collect steam SF:1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank (note 3) Appointment timer range Appointment timer range Pressure gauge range Pressure gauge range Ontroller "Inspiration" smart microcomputer controller "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,unit-said lid and bench corner, automatic troubleshooting	Chamber material	SUS304 stainless steel		
Melting time 1-6000 min Warming temp 45°C-79°C Warming time 1-9999 min Drying (only for SR) Drying time: 1-300 min Drying temp: 80-160°C 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 warming,solid,Wrapped instrument,Fabric,Rubber,Fast,Waste,Agar,Self-defined Program number saved SA:20 programs SF/SR:60 programs Exhaust speed control Fully automatic internal discharging with 6 levels choice Lid open way Filip open(up and down) Water tank SR:1 water tanks to collect steam 1 water storage tank (note 3) Appointment timer range (Auto start up appointment)0 ~ 15 days Pressure gauge range -0.1-0.5MPa Pressure valve set pressure 0.29 Mpa Controller "Inspiration" smart microcomputer controller "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	Sterilization temp. range	105°C~138°C		
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Warming time Drying(only for SR) Drying time: 1~300 min Drying temp: 80~160°C 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 warming,solid,Wrapped instrument,Fabric,Rubber,Fast,Waste,Agar,Self-defined Program number saved SA:20 programs SF/SR:60 programs Exhaust speed control Fully automatic internal discharging with 6 levels choice Lid open way Flip open(up and down) Water tank SA:2 water tanks to collect steam SR:1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank more than SA SR:1 water tank to	Melting time	1~6000 min		
Drying (only for SR) 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 warming,solid,Wrapped instrument,Fabric,Rubber,Fast,Waste,Agar,Self-defined Program number saved SA:20 programs SF/SR:60 programs Exhaust speed control Fully automatic internal discharging with 6 levels choice Lid open way Flip open(up and down) Water tank SA:2 water tanks to collect steam SF:1 water storage tank more than SA SR:1 water storage tank more than SA SR:1 water tanks to collect steam+1 water storage tank (note 3) Appointment timer range (Auto start up appointment)0 ~ 15 days Pressure gauge range Pressure valve set pressure 0.29 Mpa 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	Warming temp	45℃~79℃		
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 warming,solid,Wrapped instrument,Fabric,Rubber,Fast,Waste,Agar,Self-defined Program number saved SA:20 programs SF/SR:60 programs Exhaust speed control Fully automatic internal discharging with 6 levels choice Lid open way Flip open(up and down) SA:2 water tanks to collect steam SF:1 water storage tank more than SA SR:1 water tank to collect steam+1 water storage tank (note 3) Appointment timer range (Auto start up appointment)0 ~ 15 days Pressure gauge range Pressure valve set pressure 0.29 Mpa 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	Warming time	1~9999 min		
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Program number saved SA:20 programs SF/SR:60 programs Exhaust speed control Fully automatic internal discharging with 6 levels choice Lid open way Flip open(up and down) SA:2 water tanks to collect steam SF:1 water storage tank more than SA SR:1 water tank to collect steam+ 1 water storage tank (note 3) Appointment timer range (Auto start up appointment)0 ~ 15 days Pressure gauge range Pressure valve set pressure 0.29 Mpa 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	Cooling lock OPEN temp. range	40°C ~ 99°C for solid,waste,agar,self-defined 40°C~80°C(note 2)for liquid		
Exhaust speed control Exhaust speed control Fully automatic internal discharging with 6 levels choice Lid open way Flip open(up and down) SA:2 water tanks to collect steam SF:1 water storage tank more than SA SR:1 water tank to collect steam+ 1 water storage tank (note 3) Appointment timer range (Auto start up appointment)0 ~ 15 days Pressure gauge range Pressure valve set pressure 0.29 Mpa Controller "Inspiration" smart microcomputer controller "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	Sterilization mode	Liquid,Liquid with warming,solid,Wrapped instrument,Fabric,Rubber,Fast,Waste,Agar,Self-defined		
Lid open way SA:2 water tanks to collect steam SF:1 water storage tank more than SA SR:1 water tank to collect steam + 1 water storage tank (note 3) Appointment timer range (Auto start up appointment)0 ~ 15 days Pressure gauge range -0.1~0.5MPa Pressure valve set pressure Controller Safety Device Safety Device Tight 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	Program number saved	SA:20 programs SF/SR:60 programs		
Water tank SA:2 water tanks to collect steam SR:1 water storage tank more than SA SR:1 water tank to collect steam+ 1 water storage tank (note 3) Appointment timer range Pressure gauge range Pressure valve set pressure Controller Safety Device Safety Device Safety Device SA:2 water tanks to collect steam+ 1 water storage tank more than SA (Auto start up appointment)0 ~ 15 days -0.1~0.5MPa 0.29 Mpa "Inspiration" smart microcomputer controller "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	Exhaust speed control	Fully automatic internal discharging with 6 levels choice		
Appointment timer range (Auto start up appointment)0 ~ 15 days Pressure gauge range Pressure valve set pressure Controller Safety Device Safety Device Safety over current/short circuit/leakage),cooling lock,anti-scald lid and bench corner,automatic troubleshooting	Lid open way			
Pressure gauge range Pressure valve set pressure Controller Safety Device Safety Device Pressure yalve set pressure 0.29 Mpa Controller "Inspiration" smart microcomputer controller "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	Water tank	SA:2 water tanks to collect steam SF:1 water storage tank more than SA SR:1 water tank to collect steam+ 1 water storage tank (note 3)		
Pressure valve set pressure Controller "Inspiration" smart microcomputer controller "Eight column evenly distributed "interlock device, electric double inter lock, lid closing checking, dry scorch protection, safety 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	Appointment timer range			
Controller "Inspiration" smart microcomputer controller "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	Pressure gauge range	-0.1~0.5MPa		
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	Pressure valve set pressure	0.29 Mpa		
	Controller	* *		
Biosafety function Option for 0.2um biosafety filter (basic model+S)	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

Note3:Optional sewer drainage for SR while manufacturing

Spare part option



Micro printer To print temp.,time and F0 value





Adjust foot





Stainless steel bucket





Load thermometer (Floating PT100 sensor)



IQ/OQ/PQ (3Q)adapter joint

IQ/OQ/PQ documents USB: to transfer the data by USB

LCD: change display screen from LED to LCD

Zealway(Xaimen)Instrument Inc.

www.zealway.us

Youtube: Zealway autoclave

Add: Plant 8#,No.47,49,51,Zhennan 7th Road, Tongan,Xiamen,Fujian,China



ISO9001/ISO13485/CE



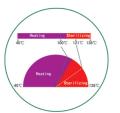
GR Vertical Autoclave

Professional Sterilization Solution Provider





Fast cooling fan
Standard with fast cooling
fan to shorten the whole cycle

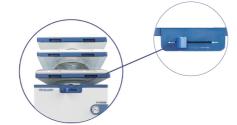


Highest working temp.138°C



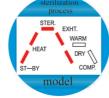
6 levels of exhaust speed control

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



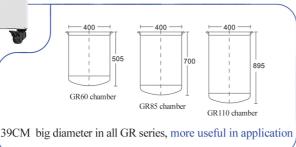
Up and down flip open ,vertical chamber; One move by one hand can easily open and close





Preset diverse programs

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



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 to ensure the pure steam environmentk

Humanized permission managemen

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

Auto water fill(only for SF、SR models)

Equipped with automatic water feeding function, standard is with 28L water tank at the back to store water, option is direct water supply by pipe connection from water source while manufacturing.

Biosafety function(only for SAS, SFS, SRS)

Use a $0.2~\mu m$ 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.

Monitor of exhaust filter(only for SAS, SFS, SRS)

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.

SUS316L Stainless steel(Option)

Stronger corrosion, longer service life,and greater pressure resistance

Fully automatic drying (only for SR models)

Can set drying temp. and drying time. After sterilization, water will be drained out automatically, then an inbuilt pump will supply clean air into the chamber through an air filter.

Air filte (only for SR models)

Filtration is higher than 99.99% in particle with diameter of $0.2 \mu m$.

LCD/USB/APP/Smart management system(Option)

LCD:5 inch LCD screen to show information in words USB: to help to store and transfer the sterilization data APP: Remote management APP (only in China) Smart management system: linked with LIMIS/SCADA system(only in China)

Auto drainage(option)/Auto cleaning(only for SF/SR)

Added with a water pump, press the drainage button to start drainage, or set it to timed automatic drainage.

Automatic cleaning can be set to regular cleaning or cleaning after each sterilization cycle.

Condenser(Option)

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.

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

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

a single method.

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