



ZEALWAY INSTRUMENT INC.



CE-PED ISO9001 ISO13485

GF SERIES AUTOCLAVE

GR SERIES AUTOCLAVE

GI T SERIES AUTOCLAVE

GI DP SERIES AUTOCLAVE

FD SERIES AUTOCLAVE

GW SERIES HORIZONTAL AUTOCLAVE

Zealway Instrument Inc.

www.zealway.us

Suite 806, 1220N. Market Street Wilmington, DE 19801 USA

US Head Office: usasales@zealway.us

Mainland China Branch Office: sales@zealway.com.cn

Thailand Office: seasales@zealway.us

Australian Branch Office: ausales@zealway.us

China Branch Office, Taiwan: twsales@zealway.us

European Office: eusales@zealway.us

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Catalog >>>

In this world,
Thousands of laboratory autoclaves are produced
everyday, Only a tiny part of them can satisfy more
demanding requirements:
Safer, easier, more intelligent and more tasteful...
The more requirements are demanded, the greater
missions are given.
ZEALWAY is destined to be the representative of
higher-end products!



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About Zealway >>>

With the belief that scientific and technological progress will benefit mankind, a deep understanding of the sterilization equipment field, and a commitment to technological innovation, Zealway has provided safe, efficient and convenient sterilization solutions to researchers and professionals for more than 20 years. Zealway Instrument Inc is a globally recognized specialist manufacturer of sterilization equipment. Its head office is located in the US state of Delaware, with offices also located in Australia, China, Thailand and elsewhere.

For the last 20 years, Zealway's autoclaves have been recognized by customers around the world for their outstanding performance, and stylish and elegant appearance. To serve its users even better, in 2006 Zealway Instrument Inc entered the Chinese market, where it quickly became a leader in high-end sterilization equipment, with sales spanning different sectors such as medicine, scientific research, government agencies and enterprises.

PRODUCT SPARE PART BRANDS COLLECTION >>>

Why we are unique and worth our price?

ZEALWAY AUTOCLAVE SPARE PARTS' BRANDS >>>

To make sure the excellent quality, ZEALWAY only use the best spare parts for manufacturing Autoclave, below are part of the spare parts and brands:



SIEMENS



PHILIPS



EPSON®



TDK



WIKAI



KITF



OMRON



GR SERIES AUTOCLAVE



To meet the requirements of a future lab

GR series intelligent autoclaves-a once-off selection that exempts the worries of continual upgrading

Heavy-gauge sterilization chamber

The heavy gauge sterilization chamber in a diameter of 40cm offers a massive space to satisfy various sterilization requirements.

Microcomputer control system

The latest “inspiration” fast-speed microcomputer intelligent control system is highly robust to not only realize the total-process controls of sterilization, but also enable convenient maintenance, inquiry, calibration, recording and upward scalability in the future. It allows three tiers of administrations, to guarantee satisfactory us and management of the autoclave.

Waste sterilization mode:

Dedicated waste sterilization procedures are established for effective sterilization of lab wastes.

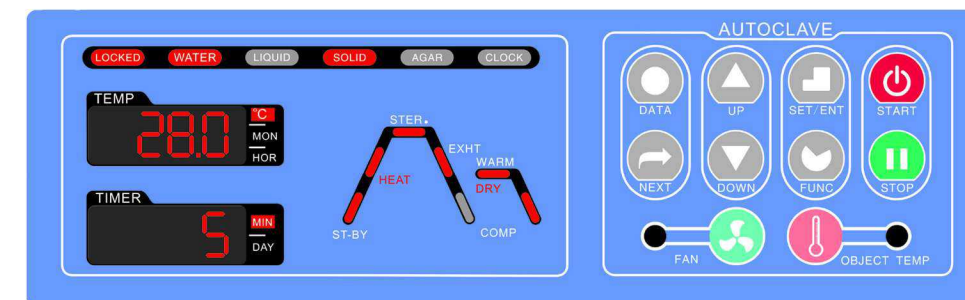
Drying

Thoroughly drying according to the CE standard, on hot sale in the Europe

Cooling lock OPEN temperature

Each procedure can set different cooling lock OPEN temperatures according to the thermal inertia of the sterilization object so as to prevent the user from opening the cover and hence getting burnt when the sterilization object(particularly liquid) is still in an unsafe state.

Simple and easily understandable and operable control panel



Preset Procedures and memory system

Six sterilization procedures and warming procedures are preset for the sterilizing, warming and drying of solids and liquids, the melting and warming of agars. There are up to 60 cycles and be created and saved to be readily used.

Safety

Mechanical interlocking: the unique “eight-column evenly distributed” interlocking device is safer and more reliable than common interlocking devices. The electric double inner locks enable the control system to monitor the temperature and pressure in the sterilization chamber on a real-time basis and disable opening of the sterilization chamber cover until the safe temperature and pressure are reached, hence guarantee the personal safety of the operator.

Technical Data

Model	GR60DA	GR85DA	GR110DA
	GR60DF	GR85DF	GR110DF
	GR60DR	GR85DR	GR110DR
Model difference	DA:Standard + cooling fan,DF : DA+automatic water feeding,DR:DF+drying		
Capacity(L)	60	85	110
Dimension(L*W*H,mm)	660x644x980(DA)	660x644x980(DA)	660x644x1180(DA)
Chamber dimension(Dia*H,mm)	φ 400x505	φ 400x700	φ 400x895
Rate power supply(w)	2900	4600	4600
Stainless steel basket(Dia*H,mm)	(φ 360x200)x2	(φ 360x280)x2	(φ 360x250)x3
Power requirement	220V,16A, 50/60HZ	220V,32A, 50/60HZ	220V,32A, 50/60HZ
Temperature accuracy	0.1℃		
Working environment	5-45℃, relatively humidity 10%-85%		
Chamber material	SUS 304		
Sterilization temperature	105-138℃		
Sterilization time range	1-6000 minutes		
Melting temperature	60-100℃		
Melting time range	1-6000 minutes		
Warming temperature	45-60℃		
Warming time range	1-9999 minutes		
Drying(only for DR model)	1-300 minutes, drying temperature 80-140℃		
Cooling lock OPEN temperature	40-80℃ for liquid cycle, 40-99℃ for other cycles		
Sterilization cycle	1.Liquid 2.Liquid with warming 3.Solid 4.Instruments packed with cloth 5.Fabric 6.Rubber 7.Fast 8.Waste 9.Agar melting 10.Self defined 11.Drying (only for drying models)		
Sterilization cycle number	DA can save up to 20 cycles, DF/DR can save up to 60 cycles		
Exhaust mode	Automatic internal discharging ,with a steam collecting bottle inside. Exhaust speed can be selected by 6 levels		
Lid opening way	flip open		
Steam collector and water tank	DA: embedded 2 steam collector, DF: embedded 2 steam collector and 28L water tank DR: embedded steam collector and 28L water tank		
Preset range of timer	Can be preset and auto start up to 6 days in advance		
Display range of pressure gauge	-0.1-0.5Mpa		
Pressure	Max working pressure:0.27Mpa,design pressure:0.35Mpa		
Controller	“Inspiration” fast speed microcomputer controller		
Safety device	“eight column evenly distributed” interlocking device, electric double inner locks, lid closing checking, dry scorch protection, overpressure protection, safety valve, water level sensor, over temperature protection, temperature monitor, over current and short circuit protection, leakage protection, cooling lock, anti-scald chamber cover and bench, automatic troubleshooting		