

# DISINFECTION & STERILIZATION

Autoclave, Sterilizer and Disinfector



**KGC**

**EMPOWERING FUTURE**  
THROUGH RESEARCH & INNOVATION

# INTRODUCTION

Welcome to our 2020 - 2021 edition of Product Catalog. We would like to thank you for your continue support and encouragement. Throughout this challenging time, we have grown and transform our business to be more efficient and effective. This will enable us to offer better service and more competitive pricing to our customers.

Our new edition of catalog comes with a easy reference features where we categorized the products into different usage categories, i.e. Advanced Material, Renewable Energy, Bio-Process, Gauge Calibration, Membrane Technology, 3D scanner and others. This will facilitate the users to quickly access to the equipment specification required, and options available to them in term of measuring range or equipment complexity.

In our new catalog, we have also added the equipment to do research in renewable energy like solar cell, fuel cell, flow cell, lithium ion batteries, and membrane technologies. In synergy with our advanced material equipment, we have also added the equipment for material characterization especially in the area of rare earth research and magnetic properties. In line with the manufacturing industry footsteps, the equipment on 3D scanning and 3D printing also have been added in to expand the tools in the research and development for industry 4.0.

To our current customers, we believed our partnership will be strengthen for the years to come. The new catalog will also create new opportunities to build new relationship with new customers.

Lastly, I would like to thanks our staffs for their dedication and sacrifice in supporting the management for a brighter future.

Patrick Tan  
Director  
KGC (Group of Companies)

# Contents

<b>Table top autoclave.....</b>	<b>01</b>
Table top autoclave N series	
Table top autoclave B series	
Table top autoclave S series	
Table top dental sterilizer	
Cassette sterilizer	
<b>Vertical Auotclave.....</b>	<b>15</b>
Vertical Pulse Vacuum Autoclave	
<b>Horizontal Autoclave.....</b>	<b>21</b>
Horizontal Pulse Vacuum Sterilizer	
Large Horizontal Autoclave	
Horizontal Cylindrical Pressure Autoclave	
<b>Hot Air Sterilizer.....</b>	<b>30</b>
<b>Glass Bead Sterilizer.....</b>	<b>31</b>
<b>Infrared Sterilizer.....</b>	<b>31</b>
<b>UV Air Sterilizer.....</b>	<b>32</b>
UV Air Sterilizer (mobile)	
UV Air Sterilizer (Wall mounted)	
UV Air Sterilizer (floor standing)	
<b>Gas Sterilizer.....</b>	<b>35</b>
H <sub>2</sub> O <sub>2</sub> Low Temperature Plasma Sterilizer	
Ethylene Oxide Sterilizer	
<b>Washer Disinfecter.....</b>	<b>41</b>

## Autoclave

Autoclaves are equipment for sterilizing widely used in microbiology, medicine, podiatry, tattooing, body piercing, veterinary science, mycology, dentistry, and prosthetics fabrication. They vary in size and function depending on the media to be sterilized.

### Table Top Autoclave Class N Series



#### Product Function:

- \* Adopting European N standard, with thermal vacuum and drying functions, it can be used for A-type hollow instruments and solid instruments. Thermodynamic vacuum guarantees elimination of cold air from the cavity and makes sure that reaches the optimal effect of sterilization.
- \* Specially design for dental clinic field, it could sterilize 12 pieces hand piece at same time, simply and efficiently.
- \* Microprocessor control, LED display and modularized panel for easy operation.
- \* Automatic malfunction detection system makes easy maintaining.

**Technical Parameters:**

Model	BKM-Z12N	BKM-Z18N	BKM-Z24N
Capacity	12L	18L	24L
Chamber Size(mm)	φ200*360	φ245*350	φ245*450
Sterilization Class	Class N (according to EN 13060 standard)		
Sterilization Temp.	121°C, 134°C		
Drying Procedure	Heating dry		
Display	LED display		
Control Precision	Temperature: 1°C		
	Pressure: 0.1bar		
Safety System	Hand lock door		
	Relief valve in case of over pressure		
	Pressure or temperature over load protection		
	Alarm for system failure, finish reminding		
Tray Holder	3 pcs SS trays on SS shelf		
Chamber	SUS304		
	Max working pressure: 2.3bar		
	Min working pressure: 1.1bar		
	Max temperature: 145°C		
Ambient Temp.	5~40°C		
Noise	<50dB		
Consumption	1400W	1500W	1700W
Power Supply	AC110/220V±10%, 60/50Hz		
External Size(W*D*H)mm	560*450*400	560*450*400	670*450*400
Package Size(W*D*H)mm	660*525*495	660*525*495	770*525*495
Gross Weight(kg)	50	53	60

## Table Top Autoclave Class B Series



### Features:

\* **Built-in open type water tank**

The sterilizer adopts easy-clean open type water tank which can support repeated program running if fully injected with water.

\* **High-efficiency ultimate vacuum**

The sterilizer adopts high-efficiency low noise vacuum system which has excellent effects.

\* **Large LCD display for BKM-Z18/24B**

The LCD screen can display temperature, pressure, time, operating status, failure warning and other information. It is convenient for customers to observe the sterilizer running status.

\* **Multiple program types**

The system has various programs that include: packed items, unpacked items, custom program, rapid program, BD testing program, vacuum testing program, preheat program and drying program.

\* **Standard USB port for BKM-Z18/24B**

Users can store the sterilization data with USB disk.

\* **Optional mini printer can be attached to record the process of sterilization.**

**Technical Parameters:**

Model	BKM-Z16B	BKM-Z18B	BKM-Z24B
Capacity	16L	18L	24L
Chamber Size(mm)	φ230*360	φ247*360	φ247*470
Sterilization Class	Class B (according to GB0646)		
Sterilization Temperature	121°C, 134°C		
Special Program	HIV, HBV long-sterilization program	/	
Drying System	Vacuum drying system		
Display	LED display	LCD display	
Testing System	B&D Test Vacuum Test Helix Test		
Control Precision	Temperature: 1°C Pressure: 0.1bar		
Sterilization Data	BKM-Z16B: Printer(optional) BKM-Z18B/BKM-Z24B: USB(standard) and printer(optional)		
Safety System	Hand lock door Pressure lock system Relief valve in case of over pressure Pressure or temperature over load protection Alarm for system failure, finish reminding, water level warning		
Water Supply System	Build-in water tank easy to clean		
Water Tank Capacity	2L	4L	
Water Consumption	0.4L in one cycle	0.16L~0.18L in one cycle	
Tray Holder	3 pcs SS trays on SS shelf		
Chamber	SUS304 Max working pressure: 2.3bar Min working pressure: -0.9bar Design temperature: 140°C		
Ambient Temp.	5~40°C		
Noise	<50dB		
Consumption	1800W	1950W	1950W
Power Supply	AC110/220V±10%, 50/60Hz		
External Size(W*D*H)mm	445*550*395	495*600*410	495*700*410
Package Size(W*D*H)mm	550*670*500	610*810*590	610*810*590
Gross Weight(kg)	47	63	65

Note: It is applicable to the altitude below 3,500m

## Table Top Autoclave Class B series

As a type of high pressure sterilizer, it takes steam as its sterilization medium which is fast, safe and economic. They are common used in medical health care institution or R&D institution to make the sterilization for wrapped or unwrapped instrument, fabric, utensils, culture medium, unsealed liquid, etc.



### Features:

#### \* Brand-new operation interface

The LCD touch screen can display temperature, pressure, time, operating status, error and alarm information, etc .

There are different color changes in each stage of sterilization.

It is convenient for users to observe the sterilizer running status.

More importantly, the fault alarm not only displays the fault code, but also automatically displays the reason analysis and solution.

#### \* Multiple safety protection devices

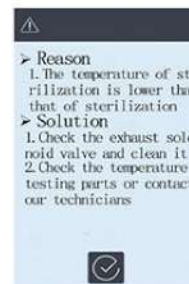
Automatic over-temperature protection device, multiple control and protection of evaporator, door safety interlock protection, double over-pressure protection device, etc.

#### \* Mobile temperature sensor

The mobile temperature probe can directly detect the internal temperature of the liquid to ensure the sterilization effect of the liquid.

#### \* Automatic door structure

Sterilizer adopts automatic door structure, which is fast and convenient to operate, effectively protects human body and prevents scalding.



**\* Vacuuming system**

High efficiency vacuum extraction system, low working noise, over -90KPa extreme vacuum, fast extraction speed, good dryness, more complete sterilization

**\* A variety of programs**

There are exposed procedures, packaging procedures, rubber procedures, dressing procedures, liquid procedures, liquid customization, solid customization, medium sterilization procedures, B&D testing, vacuum testing and media dissolution procedures.



**\* Other features**

- A. Heating, sterilizing, exhausting and drying totally automatic.
- B. Chamber is heated by film heater, saving energy and time.
- C. 0.22 $\mu$ m high efficiency air filter, to avoid re-contamination of sterilized materials with filtration efficiency over 99.5%.
- D. Water filter in tank and chamber are quick to disassemble and easy for cleaning.
- E. Built-in stainless steel water tank, inner cycle of steam and water.
- F. Standard built-in printer.
- G. Standard USB port.

**Technical Parameters:**

Model	BKM-Z45B	BKM-Z60B	BKM-Z80B
Capacity	45L	60L	80L
Chamber Size(mm)	$\phi$ 316*621	$\phi$ 386*520	$\phi$ 386*692
Design Pressure	-0.1/0.28MPa		
Sterilization Temperature	105 $^{\circ}$ C~138 $^{\circ}$ C		
Chamber Material	SUS304		
Ambient Temp.	5 $^{\circ}$ C~40 $^{\circ}$ C		
Consumption	5.8KW	6.2KW	
Power Supply	AC110/220V $\pm$ 10%, 50/60Hz		
External Size(W*D*H)mm	610*1000*560	805*1140*622	
Package Size(W*D*H)mm	740*1180*890	910*1310*900	
Gross Weight(kg)	150	195	200

Note: It is applicable to the altitude below 3,500m

## Table Top Autoclave Class B Series

BKM-BIII series sterilizer is a Class B table top sterilizer. As a type of high pressure sterilizer, it takes steam as its sterilization medium which is fast, safe and economic. They are common used in stomatology department, ophthalmology department, operating room and CSSD to make the sterilization for wrapped or unwrapped instrument, fabric, utensils, culture medium, unsealed liquid, etc.



BKM-Z18B(III)/24B(III)/45B(III)



BKM-Z60B(III)/80B(III)

### Features:

#### Built-in open type water tank

- Easy-clean open type water tank
- Water quality monitor
- Water filter inside
- Water level sensor
- A fully injected water tank can support repeated program running.



#### Brand-new operation interface

The LCD screen can display temperature, pressure, time, operating status, error and alarm information, etc. It is convenient for users to observe the sterilizer running status.



#### Multiple security protective device

Over temperature automatic protective device, multiple control and protection for steam generator, door safety interlock protection and dual chamber overpressure protection, electronic circuit safety device.

#### Automatic door

BKM-Z18/24/45BIII series adopt automatic door structure, fast and simple operation, protecting operators from scald. BKM-60/80BIII series adopt multipoint synchronous linkage pressing technology, reliable and durable.

#### Efficient vacuum

Efficient vacuum system, low working noise, vacuum lowest limit can reach over -90KPa, vacuum in high speed, perfect drying performance, thorough sterilization.

### Multiple program types

Sterilization programs: Unwrapped, wrapped, rubber, user 01, N-quick, B-quick, prion test program: BD& Helix, Leakage test.

Auxiliary program: Preheat, drying, washing.

### High-efficiency steam generator

BKM-Z18/24/45BIII adopt build-in instant steam generator. BKM-60/80BIII adopt build-in energy-storing type steam generator producing steam in high speed and large quantity.

### Other features

Pulse vacuum, heating, sterilization, exhausting, vacuum drying totally automatic.

The chamber is heated by film heater, saving energy and time.

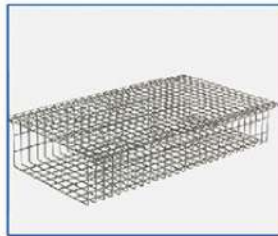
Record type: built-in printer (Optional)

Electronic storage: USB flash disk (Optional)

### Loading tray



Type A



Type B



Type C  
(Optional for  
45/60/80L)

### Technical Parameters:

Model	BKM-Z18B(III)	BKM-Z24B(III)	BKM-Z45B(III)	BKM-Z60B(III)	BKM-Z80B(III)
Capacity	18 L	24L	45L	60L	80L
Chamber Size(mm)	φ250*350	φ250*450	φ316*618	φ386*595	φ386*717
Design Pressure	-0.1/0.3MPa				
Design Temp.	144℃				
Temp. Range	105~138℃				
Chamber Material	SUS304				
Standard Loading Tray	Type A		Type B		
Consumption	2.6KW		5.8KW	7.4KW	
Power Supply	AC110/220V±10%, 50/60Hz		AC220V±10%, 50/60Hz		
External Size(W*D*H) mm	530*560*450	530*660*450	640*830*550	730*1002*560	730*1002*560
Package Size(W*D*H) mm	720*780*680	720*880*700	750*1015*730	830*1180*795	830*1180*795
Gross Weight(kg)	70	80	140	185	205

## Table Top Autoclave Class S Series

BKM-S series autoclave is a Class S table top sterilizer. As a type of high pressure sterilizer, it takes steam as its sterilization medium which is fast, safe and economic. They are common used in medical health care institution or R&D institution to make the sterilization for wrapped or unwrapped instrument, fabric, utensils, culture medium, unsealed liquid, etc.



BKM-Z24S/45S



BKM-Z80S

### Features:

#### Built-in open type water tank

- Easy-clean open type water tank
- Water quality monitor
- Water filter inside
- Water level sensor
- A fully injected water tank can support repeated program running.



#### Brand-new operation interface

The LCD screen can display temperature, pressure, time, operating status, error and alarm information, etc. It is convenient for users to observe the sterilizer running status.



#### Multiple safety protection devices

Over temperature automatic protective device, multiple control and protection for steam generator, door safety interlock protection and dual chamber overpressure protection, electronic circuit safety device.

#### Automatic door structure

BKM-Z24/45S series adopt automatic door structure, fast and simple operation, protecting operators from scald.

BKM-Z80S series adopt multipoint synchronous linkage pressing technology, reliable and durable.

#### A variety of programs

Sterilization programs: Unwrapped, Wrapped, Rubber, User01, N-Quick

Auxiliary program: Preheat, Washing

### Efficiency steam generator

BKM-Z24/45S series adopts build-in instant steam generator. BKM-Z80S adopts build-in energy-storage type steam generator producing steam in high speed and large quantity.

### Other features

Heating, sterilization, exhausting, drying totally automatic.

Chamber is heated by film heater, saving energy and time.

Record type: built-in printer (optional)

Electronic storage: USB flash disk (optional)

### Loading tray



Type A



Type B



Type C(Optional for 45/80L)

### Technical Parameters:

Model	BKM-Z24S	BKM-Z45S	BKM-Z80S
Capacity	24L	45L	80L
Chamber Size(mm)	φ250*450	φ316*618	φ385*717
Design Pressure	-0.1/0.3MPa		
Design Temp.	144℃		
Temp. Range	105~138℃		
Chamber Material	SUS304		
Standard Loading Tray	Type A	Type B	
Consumption	2.6KW	5.8KW	7.4KW
Power Supply	AC110/220V±10%, 50/60Hz		AC220V±10%, 50/60Hz
External Size(W*D*H) mm	530*660*450	640*855*550	730*1050*560
Package Size(W*D*H) mm	720*880*700	750*1015*730	830*1180*795
Gross Weight(kg)	80	140	205

## Table Top Dental Sterilizer



BKM-Z2N/B



BKM-Z8B



### Features:

- \* Microcomputer control, LCD display and simple operation interface.
- \* The newly designed type with opening water tank on the top, which makes washing and cleaning much more convenient.
- \* Small capacity design more suitable for clinic requirement, saving space and moving easily.

### Optional Accessory: Mini Printer

### Technical Parameters:

Model	BKM-Z2N	BKM-Z2B	BKM-Z8B	BKM-Z12B
Capacity	2L		8L	12L
Chamber Size(mm)	φ88*175		φ170*320	φ192*320
Sterilization Class	Class N	Class B		
Sterilization Temp.	121°C, 134°C			
Chamber Material	SUS304			
Max Working Pressure	0.25Mpa			
Max Working Temp.	145°C			
Consumption	1.2KW		1.4KW	
Power Supply	AC110/220V±10%, 50/60Hz			
External Size(W*D*H)mm	350*280*360		540*370*360	
Package Size(W*D*H)mm	415*345*445		615*440*425	
Gross Weight(kg)	36		45	50

## Portable Autoclave

### Range of Application:

It's desk-top autoclave sterilizer which is designed for the hospital, clinic, lab, etc. It's mostly suitable for sterilizing of surgical, dental instruments, glassware, culture medium and biological dressing, food and goods, etc.

### Features:

- \* Easy operation, safe and reliable.
- \* The sealing ring is made of silicon rubber.
- \* Two safety valves keep double safety (for timing control type).
- \* It has self-adjustment function (for timing control type)
- \* It is well sealed and effectively prevents steam leakage.
- \* Over temperature & over pressure auto-protection.
- \* Electric heating or gas heating can be used (for Dual fuel Type).
- \* The sterilizer is provided with a power switch, user can control the operation easily.
- \* Immersion type electric heating pipe, thermal efficiency is high, stainless steel material tube is durable to use.
- \* Steam-water inner circulation system: No steam discharge and the environment for sterilizing will be clean and dry.
- \* Double groove pressure gauge, could clearly indicate, convenient observation, reliable performance.
- \* When at lower water level, or at the end of heat preservation time, have buzzer alarm, timing control type will automatically stop heating (for timing control type).



Timing control type



Anti-dry out type



Dual fuel type

### Technical Parameters:

Model	BKM-P18(D)	BKM-P24(D)	BKM-P18(A)	BKM-P24(A)	BKM-P18(B)	BKM-P24(B)
Type	Timing control type		Anti-dry out type		Dual fuel Type	
Capacity	18L	24L	18L	24L	18L	24L
Chamber Size(mm)	φ280*210	φ280*310	φ280*210	φ280*310	φ280*210	φ280*390
Time Setting	1~99min		NO			
Temperature Setting	RT+5~126°C		126°C(default) or 121°C			126°C
Consumption	2KW					
Power Supply	AC220V, 50/60Hz					AC110/220V±10%, 50/60Hz
Working Pressure	Along with temperature change		0.142Mpa			0.165MPa
Package Size(W*D*H)mm	420*420*650	420*420*740	420*420*650	420*420*740	420*420*470	410*410*550
Gross Weight(kg)	12	14	12	14	8	17

## Cassette Sterilizer

### Application:

It is used for the repaired sterilization of small instruments in stomatology, ophthalmology, E.N.T. department, gynecology, operating room, etc.



BKS-2000



BKS-5000



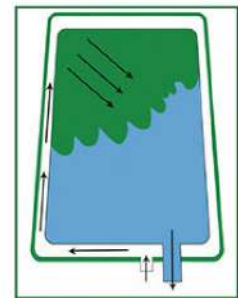
BKS-6000

### Features:

- \* It only takes 6-7 minutes for the shortest sterilization cycle which can extend service life of the instrument
- \* Three shortcut keys for sterilization programs, the sterilization temperature and time can be set freely
- \* Alarm for unqualified water and water shortage, the autoclave will stop working when there is a low temperature and low pressure
- \* Small dimension, light weight, easy to operate, the cassette can be also used for instrument transfer and temporary storage

### Schematic Diagram:

The steam generator heats to the optimum temperature when the sterilization program started. The distilled water is pumped into the generator and converted into steam immediately, then the steam is injected into the cassette which is loaded with instruments to be sterilized. The polluted air in the cassette is exhausted after the steam is injected.



Forced Air Removal Design

### Details:



Simple operation



Standard printer, real-time record for sterilization process

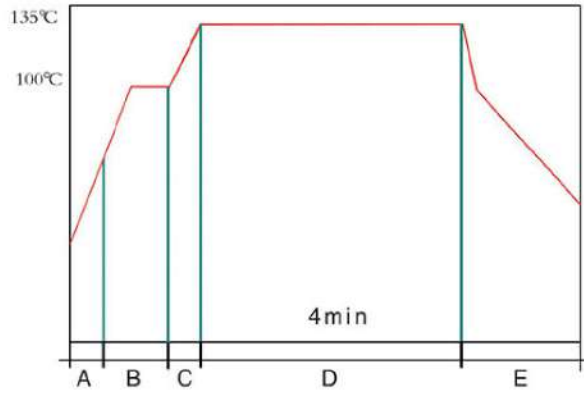


Ultra-thin cassette box design makes heating and cooling faster



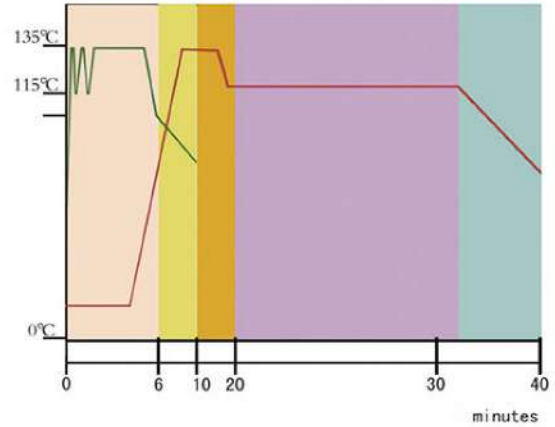
0.22µm Biofilter

**Working Curve:**



**Sterilization Chart**

A. Air removal B. Warming up  
C. Pressurizing D. Sterilizing E. Venting



**Sterilization Cycle Comparison**

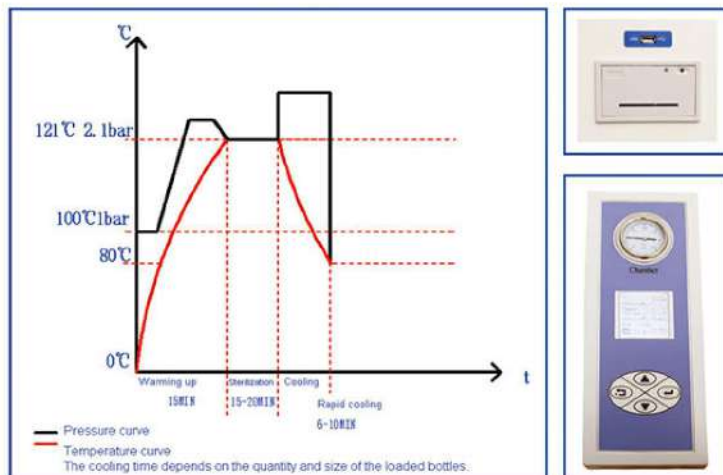
Advantages:  
Shorter cycle time, higher efficiency

**Technical Parameters:**

Model	BKS-2000	BKS-5000	BKS-6000
Capacity	1.8L	5.2L	6.0L
Chamber Size(W*D*H)mm	280*180*38	380*180*78	480*180*78
External Size(W*D*H)mm	570*415*170	580*460*190	
Steam Temp.	115°C~135°C (Selectable)		
Ambient Temp.	5~40°C		
Working Pressure	42KPa~212KPa		
Chamber Material	SUS304		
Water Tank Volume	3.4L		
Standard Accessories	Instrument loading tray*1, Waste water tank*1, Drain hose*1, Printing paper*2		
Power Supply	AC110/220V±10%, 50/60Hz		
Package Size(W*D*H)mm	580*580*700		
Net Weight(kg)	34	46	
Gross Weight(kg)	49	61	

## Vertical Autoclave

This vertical autoclave is especially designed for liquid and food sterilization in laboratory, pharmaceutical and food factory.



### Features:

- \* Standard build-in printer.
- \* Deionized water interface for supplying steam generator.
- \* Rapid water cooling system for efficient and safe sterilization of liquids.
- \* With a quick maintenance window, the electrical parts can be repaired without removing the cover.
- \* Microcomputer control. Fully automatic control water injection, temperature rise, sterilization, exhaust and dry.
- \* LCD screen display shows pressure, temperature, time, running status, error codes and operation curve etc.
- \* Mobile probe detects the internal temperature of liquid directly, to ensure the sterilization effect of liquid program.

### Technical Parameters:

Model	BKQ-B50L	BKQ-B75L
Capacity	50L	75L
Chamber Size(mm)	φ386*490	φ386*670
Chamber Material	SUS304	
Designed Pressure	0.28Mpa	
Designed Temp	150°C	
Working Pressure	0.22MPa	
Working Temp.	80°C~136°C	
Temp. Display Accuracy	0.1°C	
Noise	≤65dB	
Consumption	5.5KW	
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)mm	700*610*1100	
Package Size(W*D*H)mm	800*715*1270	
Gross Weight(kg)	140	147

## Vertical Pulse Vacuum Autoclave



### Features:

- \* Steam water internal circulation.
- \* Pulse vacuum exhaust to ensure the effect of steam sterilization.
- \* Mobile probe detects the internal temperature of liquid directly, to ensure the sterilization effect of liquid program.
- \* Efficient vacuum pumping system. The ultimate vacuum can reach more than -90KPa. Low noise, fast pumping speed, good dryness. The sterilization is more thorough.
- \* LCD screen display shows pressure, temperature, time, running status, error codes and operation curve etc.
- \* Selectable programs for packed, unpacked, dressings, rubber, liquid, liquid custom, solid custom, sterilization of medium, dissolution of medium, B&D testing and vacuum testing etc.
- \* Complete process of preheating, replacement, pulse exhaust, heating, sterilizing and drying run automatically.
- \* 0.22 $\mu$ m Sterilization high efficiency air filter. The filtration efficiency is higher than 99.5%, ensuring that the vacuum-depleted air is sterile air to prevent re-pollution of sterile materials.
- \* Standard built-in printer for recording the information during the entire sterilization process.

### Technical Parameters:

Model	BKQ-B50V	BKQ-B75V
Capacity	50L	75L
Chamber Size(mm)	$\phi$ 386 $\times$ 490	$\phi$ 386 $\times$ 670
Design Pressure	-0.1~0.28MPa	
Chamber Material	SUS304	
Design Temperature	142 $^{\circ}$ C	
Vacuum System	Eject vacuum system	
Working Temp.	105~137 $^{\circ}$ C	
Consumption	5.5KW	
Power Supply	AC110/220V $\pm$ 10%, 50/60Hz	
Environment Temperature	5~40 $^{\circ}$ C	
External Size(W*D*H)mm	700*610*1100	
Package Size(W*D*H)mm	800*715*1270	
Gross Weight(kg)	150	155

Note: It is applicable to the altitude below 3,500m

## Vertical Autoclave



### Application Range:

There are 5 fixed programs and 2 DIY programs according to different sterilization objects such as dressings, equipment, tools, rubber, liquid, culture medium, waste, etc.

### Safety Features:

- \* Over pressure: safety valve can automatically open to release pressure.
- \* Over temperature: the system will power off automatically.
- \* Door sensor: Sensor at door closing position, to check the door status. If door is open, operation will stop.
- \* Anti-dry out function: If water level is too low, system will power off and error code displays on screen.
- \* Over current: over voltage or electric leakage protection apparatus-air switch.
- \* Door cover: The door is covered with safety shell made of thermal insulation material, which can protect operator from burning by heat and looks nice.

### Technical Features:

- \* Water inlet filter to keep high water quality (except BKQ-B150/200II).
- \* Optional printer for recording sterilization data.
- \* LED screen displays all steps of full process as well as error codes.
- \* Independent quick service window, easy for repairing and maintenance.
- \* Automatic selecting quick or low exhaust to avoid sterilization liquid overflowing.
- \* Sterilization programs for dressings, equipment, rubber, culture medium, waste, etc.
- \* Hand wheel type of quick-open door structure, self-expandable sealing ring, easy operating and safe.
- \* Complete process of filling water, dynamic pulse exhaust, heating, sterilizing and draining runs automatically.
- \* Adopting certain temperature (98~102°C) exhaust method and dynamic pulse exhaust method to completely empty the cold air inside chamber for ensuring steam saturability.
- \* Inner stainless steel water tank for water and steam to circulate inside. Steam does not exhaust during sterilization, so as to keep the outside clean and dry (except BKQ-B150/200II).
- \* Drying function (except BKQ-B150/200II)

### Technical Parameters:

Model	BKQ-B50II	BKQ-B75II	BKQ-B100II	BKQ-B120II	BKQ-B150II	BKQ-B200II
Capacity	50L	75L	100L	120L	150L	200L
Chamber Size(mm)	φ386*514	φ386*694	φ386*874	φ386*1054	φ500*760	φ500*1000
Chamber Material	SUS304					
Designed Pressure	0.28Mpa				0.24Mpa	
Designed Temp	150°C				138°C	
Working Pressure	0.22MPa				0.217MPa	
Working Temp.	105~136°C				50~134°C	
Temp. Display Accuracy	±0.1°C					
Timing Range	0~999min				0~99h	
Dynamic Pulse Exhaust Times	0~9 times					
Dynamic Pulse Exhaust Temp.	105~134°C					
Dissolution Temp. Range	60~100°C(programmable)					
Temp. Holding Range	40~60°C(programmable)					
Consumption	4.4KW	4.7KW	5.2KW	5.2KW	6KW	
Power Supply	AC110/220V±10%, 50/60Hz				380V, 50Hz/220V, 50/60Hz	
SS Basket	1 pc	2 pcs	2 pcs	3 pcs	3 pcs	4 pcs
External Size(W*D*H)mm	640*550*970	640*550*1070	640*550*1270	640*550*1370	650*650*1400	650*650*1700
Package Size(W*D*H)mm	750*745*1100	750*745*1240	750*745*1450	750*745*1540	800*760*1500	800*760*1690
Gross Weight(kg)	102	112	125	140	190	200

Note: It is applicable to the altitude below 3,500m

## Vertical Autoclave

### Application Range:

Vertical autoclave is mainly used in hospitals, laboratories, universities and other institutes where users need to sterilize temperature-resistance solid and liquid.



### Safety Features:

- \* Over pressure, safety valve can automatically open to release pressure.
- \* Over temperature, the system will stop heating automatically and start alarm.
- \* Anti dry-out function. If water level is too low, heating stops and error code displays on screen.
- \* Over current, over voltage or electric leakage protection apparatus-air switch.

### Technical Features:

- \* Complete protection system.
- \* Flip-open door structure with spring booster, easy to open.
- \* LED displays inner temperature, time and error codes.
- \* Automatic exhausting steam function.
- \* Reliable mechanical safety interlock feature.
- \* External material: Cold rolled steel with anti-bacteria powder coating.
- \* Fixed sterilization programs for dressings, unwrapped and wrapped equipment, rubber, and liquid.
- \* Door cover is wrapped completely, to prevent scald effectively.
- \* Radial self-expanding silicone rubber seals with high effect and long using life.
- \* Optional printer for recording sterilization data.

### Technical Parameters:

Model	BKQ-Z30I	BKQ-Z50I	BKQ-Z75I	BKQ-Z100I
Capacity	30L	50L	75L	100L
Chamber Size(mm)	φ385*412	φ385*515	φ385*715	φ385*915
Chamber Material	SUS304			
Max Pressure	0.3MPa			
Rated Working Pressure	0.22MPa			
Max Temperature	150°C			
Working Temp Range	105~134°C			
Temp. Display Accuracy	±0.1°C			
Timing Range	0~999min			
Dynamic Pulse Exhaust Time	0~9times			
Water Requirement	Distilled water or demineralized water			
Standard Accessories	Stainless steel basket*1pc		Stainless steel basket*2pcs	
Consumption	4KW			
Power Supply	AC110/220V±10%, 50/60Hz			
External Size(W*D*H)mm	645*610*710	645*610*850	645*610*1000	645*610*1200
Package Size(W*D*H)mm	750*745*950	750*745*1100	750*745*1240	750*745*1450
Gross Weight(kg)	100	103	114	122

Note: It is applicable to the altitude below 3,500m

## Horizontal Autoclave

### Application:

It is applicable for the sterilization of unpacked solid instrument in department of stomatology, ophthalmology, operation room and CSSD.

### Features:

- \* Sterilizing programs for fabric, instrument, rubber and liquid.
- \* Touch screen display of temperature, pressure, time, running status and failure warning.
- \* Post-drying function makes the residual humidity of sterilized articles less than 3%.
- \* The positive pressure air-exhaust system to exhaust the cold air from chamber.
- \* Equipped with printer to print date, time and process parameters.
- \* Build-in efficient steam generator, microcomputer temperature control.
- \* Perfect four-level authority management system to avoid mis-operation.
- \* Double door optional.



### Technical Parameters:

Model	BKQ-B100(H)	BKQ-B150(H)	BKQ-B200(H)	BKQ-B300(H)
Capacity	100L	135L	185L	300L
Chamber Size(mm)	φ400*850	φ500*710	φ500*950	φ632*1000
Chamber Material	SUS304			
Max Working Pressure	0.25Mpa			
Working Temp.	115~138℃			
Temp Accuracy	±0.1℃			
Consumption	10KW	11KW		17KW
Power Supply	380V, 50HZ			
External Size(L*W*H) mm	1250*730*1660	1110*750*1742	1350*750*1742	1400*890*1780
Package Size(L*W*H) mm	1450*1000*1950	1370*890*2060	1510*890*2060	1700*1050*2090
Gross Weight(kg)	310	470	540	830

## Horizontal Pulse Vacuum Autoclave

### Application:

It can be widely used in department of stomatology and ophthalmology, operating room and other medical institutions. It is suitable for all wrapped or unwrapped solid instrument, A-class cavity instrument (dental hand-pieces and endoscopes), implantable instrument, dressing fabric and rubber tubes, etc.

### Features:

- \* Built-in efficient steam generator, microcomputer temperature control.
- \* Equipped with printer to print date, time and process parameters.
- \* Perfect four-level authority management system to avoid mis-operation.
- \* Sterilization programs for fabric, instrument, rubber, liquid, cavity, B&D test, PCD test and leakage test.
- \* Intelligent drying system to guarantee the residual humidity of instrument and dressing no more than 0.2% and 1% respectively.
- \* Over-heat auto protection device, dual door safety lock device, over pressure relief valve, short circuit protection, and overpressure protection.
- \* LCD displays temperature, pressure, time, running status, failure and warning code.
- \* Double door optional.



### Technical Parameters:

Model	BKQ-Z100(H)	BKQ-Z150(H)	BKQ-Z200(H)	BKQ-Z300(H)
Capacity	100L	135L	185L	300L
Chamber Size(mm)	φ400*850	φ500*710	φ500*950	φ632*1000
Chamber Material	SUS304			
Max Working Pressure	0.25Mpa			
Vacuum Limit	-0.08MPa			
Working Temp.	115~138℃			
Temp Accuracy	±0.1℃			
Consumption	11KW	11.5KW		18KW
Power Supply	380V, 50Hz			
External Size(L*W*H) mm	1250*730*1660	1110*750*1742	1350*750*1742	1400*890*1780
Package Size(L*W*H) mm	1450*1000*1950	1370*890*2060	1510*890*2060	1700*1050*2090
Gross Weight(kg)	310	470	540	830

## Horizontal Pulse Vacuum Autoclave

### Application:

Pulsating vacuum sterilizer extracts vacuum and fills steam into the sterilization room for many times to make the sterilization room reach a certain vacuum degree, and then fills saturated steam to reach the set pressure and temperature, so as to achieve the purpose of sterilization of the sterilized substance. It can be widely used in department of stomatology and ophthalmology, operating room and other medical institutions. It is suitable for all wrapped or unwrapped solid instrument, A-class cavity instrument (dental hand-pieces and endoscopes), implantable instrument, dressing fabric and rubber tubes, etc.



### Features:

- \* Maintenance reminder function, easy for users to maintain equipment, replace vulnerable parts.
- \* The air in the chamber is sterile and avoids re-contamination.
- \* Sterilization data output: standard micro-printer, no separate external connection.
- \* Adopt quick-release side cover and top cover for easy maintenance and cleaning.
- \* 7-inch color LCD touch screen can display temperature, pressure, operation state, fault alarm and other information at the same time.
- \* Strong vacuum drying system, the vacuum degree can be up to -93kpa, after drying, the residual humidity of device doesn't exceed 0.25%, the residual humidity of dressing doesn't exceed 1%.
- \* Micro-controller programmable control technology.
- \* Full protective door cover, effectively prevent burns.
- \* The equipment adopt self-expanding sealing ring, sealing performance is more reliable and stable.
- \* The closing method adopts a multi-point pressing structure of the radiation rod, safe and reliable.
- \* The equipment is connected to the water source without manual replenishment. After the customer chooses the program, the equipment can complete the whole process from water injection to drying without human intervention. After the program is completed, the sound prompts sterilization to be completed.

- \* Built-in high speed steam generator, no external steam source, save time and effort.
- \* With mobile temperature sensor, can meet the special requirements of the laboratory.
- \* Pressure, mechanical and electronic three-layer safety interlock device, with over-temperature protection and over-pressure protection, can eliminate all safety risks.
- \* Safe and high quality solenoid valve
- \* Spring relief valve: Special purpose for pressure steam sterilization equipment .
- \* High efficiency water circulating vacuum pump. High vacuum efficiency, low noise, vacuum capacity up to -93kpa.
- \* The sterilization chamber adopts 304 stainless steel electrolytic polishing, beautiful and generous; using ring jacket structure, so that the internal heat is uniform and the structure is more stable and reliable.



### Safety Devices:

- \* Overheating protection.
- \* Emergency stop switch.
- \* Over current and leakage safety device.
- \* Multiple control and protection of steam generator.
- \* Circuit safety device.
- \* Door interlock device.
- \* Double over-pressure protection.

### Technical Parameters:

Model	BKQ-Z150H	BKQ-Z200H	BKQ-Z260H	BKQ-Z300H
Capacity	150L	200L	260L	300L
Chamber Size(mm)	φ500*766	φ500*1050	φ650*930	φ650*1050
Chamber Material	SUS304			
Max Designed Pressure	0.3Mpa			
Vacuum System	Water circulation vacuum pump			
Vacuum Limit	-93KPa			
Temp. Accuracy	±0.1℃			
Working Temp.	115~138℃			
Working Pressure	0.22Mpa			
Consumption	15KW			
Power Supply	380V, 50Hz			
External Size(W*D*H)mm	1080*940*1780	1290*940*1780	1380*1170*1970	1380*1170*1970
Package Size(W*D*H)mm	1280*1140*1980	1490*1140*1980	1580*1370*2170	1580*1370*2170
Net Weight(kg)	420	500	700	750
Gross Weight(kg)	485	565	765	815

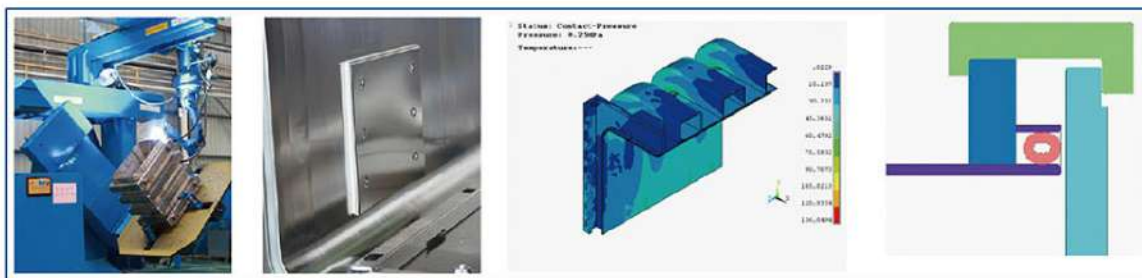
## Large Horizontal Autoclave



### Features:

#### Superb chamber machining and welding process

The acid-proof stainless steel chamber and jacket are automatically robot-welded to guarantee long time and trouble-free operation.



#### Nice chamber surface

Surface smoothness,  $Ra \leq 0.5$ ; No welding part or bolt in the chamber which effectively protect the items to be sterilized. Steam baffle plates are surrounded by silicon rubber protecting the chamber surface.

### Reliable and durable chamber

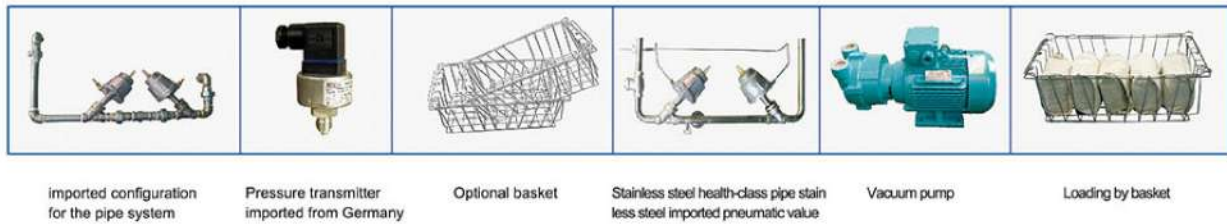
Chamber is designed according to professional analytical method. High-emulation software ANSYS is used for chamber simulation. Design service life: 10 years (or 20000 times sterilization)

### Reasonable sealing structure

Compact designed sealing groove, durable circular hollow silicon gasket, sealed by compressed air.

### Hanged door automatically

The door is driven by a motor automatically, stable and easy operation. Door concave-convex tooth structure ensures its safety and durability.



imported configuration for the pipe system

Pressure transmitter imported from Germany

Optional basket

Stainless steel health-class pipe stain less steel imported pneumatic valve

Vacuum pump

Loading by basket

### Precise pressure detecting and control

Intelligent pressure transmitters, Wika(Germany), ensure steam pressure detecting and control both in Chamber and jacket.

### Unique vacuum noise-reduction system

LNS low-noise and water-saving vacuum system, effective reduced the noise during running.

### Humanized operation system

Colorful touch screen on loading-side, 6 indicating lamps on unloading sides, which are concise, vivid and exactly showing sterilizing running status and alarming information.

### Reasonable pipeline layout

All the popes, calves and components are designed and installed in single side, which is more convenience for repair and maintenance. The sterilizers can be installed against the wall and also, two sterilizers can use the same maintenance space to save installation space.

### Scientific Design Parameters, Wide Scope of Application:

Item	Chamber	Jacket
Design Pressure (Mpa)	-0.1/0.3	0.3
Design Temperature (°C)	144	144
Working Pressure (Mpa)	-0.1/0.25	0.25
Max Working Temperature (°C)	139	139
Safety Valve Open Pressure	0.28	0.28

## Loading-side Panel:



7.0" SIEMENS color display touch screen  
CPU226 SIEMENS PLC as central processor

### Display Information:

- \* Jacket pressure P1
- \* Chamber pressure P2
- \* Chamber temperature T2
- \* Door operation
- \* Printer ON/OFF
- \* Operator ID and password
- \* Alarm display and record
- \* Program selection
- \* System parameter setting
- \* Manual operation
- \* Cycle process and values in real time

### A variety of program:

- \* Fabric 121°C and 134°C
- \* Instrument 121°C and 134°C
- \* Liquid 121°C
- \* Rubber 121°C
- \* Flash 134°C
- \* Gravity 121°C
- \* Automatic leak test
- \* User-defined
- \* Demo

## Unloading-side Panel:



### Humanistic indicating system:

- \* Back door closing indicating lamp
- \* Back door closed lamp
- \* Cycle running lamp
- \* Cycle end indicating lamp
- \* Breakdown indicating lamp
- \* Power lamp

## Sterilization consumables:



Sterilizer control



Parcel outer control



Loading control



Parcel inner control



Packing control



Record system

Model	Meaning
350	Chamber volume(L)
S/D	Door: S-double door, D-single door
No marks/D	Steam supply: no marks-outer steam supply(optional); D-built-in steam generator
A/B	Installation: A-Shelf loading; B-Loading by cart and trolley

## Technical Parameters:

Model	Volume	Chamber Size (W*H*L)	External Size (W*H*L)	Net Weight	Power Consumption	Power Supply	
BKQ-140D-A	146L	420*420*830mm	1290*1680*1050mm	425 Kg	2.5KW	380V, 50Hz	
BKQ-140DD-A				525 Kg	18KW		
BKQ-140S-A			1290*1680*1100mm	510 Kg	2.5KW		
BKQ-140SD-A				610 Kg	18KW		
BKQ-240D-A	241L	600*600*740mm	1370*1880*950mm	580 Kg	2.5KW	380V, 50Hz	
BKQ-240DD-A				660 Kg	24KW		
BKQ-240S-A			1370*1880*1000mm	660 Kg	2.5KW		
BKQ-240SD-A				720 Kg	24KW		
BKQ-350D-A	352L	600*600*980mm	1215*1880*1190mm	780 Kg	2.5KW	380V, 50Hz	
BKQ-350DD-A				880 Kg	24KW		
BKQ-350S-A			1215*1880*1240mm	860 Kg	2.5KW		
BKQ-350SD-A				960 Kg	24KW		
BKQ-350D-B			1215*1880*1190mm	880 Kg	2.5KW	380V, 50Hz	
BKQ-350DD-B				1000 Kg	24KW		
BKQ-350S-B				1215*1880*1240mm	960 Kg		2.5KW
BKQ-350SD-B					1080 Kg		24KW
BKQ-650D-B	655L	610*910*1180mm	1310*2070*1370mm	1170 Kg	4KW	380V, 50Hz	
BKQ-650DD-B				1270 Kg	46KW		
BKQ-650S-B			1310*2070*1420mm	1270 Kg	4KW		
BKQ-650SD-B				1370 Kg	46KW		
BKQ-810D-B	810L	610*910*1460mm	1310*2070*1650mm	1260 Kg	4KW	380V, 50Hz	
BKQ-810DD-B				1360 Kg	61KW		
BKQ-810S-B			1310*2070*1700mm	1360 Kg	4KW		
BKQ-810SD-B				1460 Kg	61Kw		
BKQ-990D-B	999L	610*910*1800mm	1310*2070*1990mm	1300 Kg	4KW	380V, 50Hz	
BKQ-990DD-B				1400 Kg	61KW		
BKQ-990S-B			1310*2070*2040mm	1400 Kg	4KW		
BKQ-990SD-B				1500 Kg	61KW		
BKQ-1200D-B	1203L	680*1180*1500mm	1450*1990*1710mm	1950 Kg	5KW	380V, 50Hz	
BKQ-1200S-B			1450*1990*1760mm	2050 Kg	5KW		
BKQ-1500D-B	1500L	680*1180*1870mm	1450*1990*2080mm	2111 Kg	5KW	380V, 50Hz	
BKQ-1500S-B			1450*1990*2130mm	2211 Kg	5KW		

## Horizontal Cylindrical Pressure Autoclave



### Features:

- \* Drying function.
- \* Automatic sterilization process.
- \* Safety valve for over pressure protection.
- \* Over-temperature, over-pressure protection device.
- \* Interlock function.
- \* 304 stainless steel material chamber.
- \* Automatically in case of low water level.
- \* Water level sensor. The power will be cut-off

### Technical Parameters:

Model	BKQ-H150	BKQ-H200	BKQ-H300	BKQ-H400	BKQ-H500
Capacity	150L	200L	280L	400L	500L
Chamber Size(mm)	φ440*1000	φ515*1000	φ600*1000	φ700*1100	φ700*1300
Working Pressure	0.22MPa				
Working Temp.	134℃				
Temperature Range	105~134℃				
Sterilization Time	0~60 min				
Drying Time	0~60 min				
Temp. Display Accuracy	±2℃				
Consumption	9KW		12KW	18KW	
Power Supply	220V/380V, 50/60Hz		380V, 50Hz		
External Size (W*D*H) mm	1400*600*1300	1400*670*1650	1400*770*1780	1430*880*1830	1800*900*1820
Package Size (W*D*H) mm	1550*750*1850	1560*820*1850	1680*920*2100	1600*1050*2100	1850*1050*2100
Gross Weight(kg)	320	350	465	530	580

## Hot Air Sterilizer

### Application:

Hot air sterilizer is used to sterilize small surgical instrument, glass, petri dishes etc.

This device is suitable for medical and veterinary clinics, hospitals, pharmacies, health care centers, and laboratories.



HAS-T25/HAS-T50/HAS-T105/HAS-T200



HAS-T70

### Features:

- \* Adjustable sterilization time.
- \* Top air outlet with adjustable air volume.
- \* Over-temperature alarm.
- \* Heating up fast, forced-air convection, fast sterilization.
- \* Fan inside, fully sealed inside, no air circulation with external air, temperature rise fast.
- \* High precision microprocessor temperature control; 304 stainless steel inner chamber.

### Technical Parameters:

Model	HAS-T25	HAS-T50	HAS-T70	HAS-T105	HAS-T200
Capacity	25L	50L	70L	105L	200L
Temp. Range	RT+10~250°C				
Temp. Precision	0.1°C				
Temp. Fluctuation	±0.5°C				
Ambient Temp.	5~40°C				
Timing Range	1~9999min				
Shelves No.	2 pcs				
Consumption	500W	750W	1050W	1500W	2000W
Power Supply	AC110/220V±10%, 50/60Hz				
Internal Size(W*D*H) mm	300*300*270	420*350*350	400*375*470	550*350*520	600*550*570
External Size(W*D*H) mm	590*470*440	710*520*520	540*550*870	840*540*720	890*730*770
Package Size(W*D*H) mm	710*600*550	810*640*600	670*660*1040	950*680*880	1020*890*930
Gross Weight(kg)	45	50	75	80	100

## Glass Bead Sterilizer

### Application:

The glass bead sterilizer is commonly used to sterilize forceps, scissors, tweezers, scalpels, needles, inoculation loops, etc. And the small size can be placed on any Laminar Air Flow Work benches or any other works tables in a clean room atmosphere.

### Features:

- \* The sterilization is quick, easy and accurate.
- \* Material: stainless steel      \* The glass bead is reusable.
- \* Once switched 'ON', the units are ready to use within 15 Minutes and ensure total sterilization by destruction of all Micro-Organisms within 10 seconds.



GBS-5000B

### Technical Parameters:

Model	GBS-5000A	GBS-5000B
Temp. Range	100~300°C	
Temp. Accuracy	≤±5°C	
Heating Time to Max. Temp	≤25min to reach 300°C	
Ambient Temp.	5°C~40°C	
Chamber Size(mm)	φ40*80	φ40*140
Weight of Glass Bead	150g	300g
Consumption	120W	250W
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)mm	130*145*155	130*145*215
Package Size(W*D*H)mm	420*340*260	420*340*260
Gross Weight(kg)	4.5	5.5

## Infrared Sterilizer

It adopts infrared thermal energy sterilization method, easy operation, no pollution to the environment, safe and convenient, and can completely replace alcohol lamps. It is widely used in biological safety cabinets, clean benches, exhaust fans, mobile vehicles and other environments for microbial experiments.

### Features:

- \* Safe and convenient, can completely replace alcohol lamp.
- \* Small size, light weight, beautiful appearance and easy to clean.
- \* The heater can be arbitrarily adjusted at an elevation angle of 30° and a depression angle of 45°.
- \* The highest temperature is 930 °C + 30 °C, sterilization need only 2-5 seconds, can be completed quickly.
- \* Heating is divided into low temperature range and high temperature range.
- \* Ceramic tube heating parts are made of high quality 95 porcelain: high wear resistance, corrosion resistance, high temperature resistance and water repellency.



## Technical Parameters:

Model		TYPE-I	TYPE-II
Heating caliber(mm)		φ36	φ26
Sterilizable caliber(mm)		≤φ35	≤φ15
Max temp./standby temp.		900±30°C/550°C	930±30°C/600°C
Working	Temp. Range	-10°C~40°C	
Environment	Humidity	≤95%	
Fuse		250V; 2A; φ5*20	
Consumption		180W	150W
Power supply		AC220V±10%, 50Hz	
Package Size(W*D*H)mm		290*200*110	
Net weight /Gross weight(kg)		1.2/1.5	1.3/1.5

## UV Air Sterilizer(Mobile)

### Application:

It is suitable for dynamic indoor air disinfection in class II, III and IV environments of hospitals, family, school, library, blood station, food and beverage factory, pharmaceutical factory, catering and other public places.

### Features:

- \* Display indoor temperature.
- \* Timing function of UV lamp cumulative use.
- \* Adopt quick disassembly filter, easy to clean and maintain.
- \* Air volume status display, high/medium/low air volume adjustable.
- \* Built-in high brightness, long life, ozone - free, U - type UV lamp.
- \* The super-infrared receiving device can realize long-distance remote control and easy operation at any 45 degrees. A built-in hidden remote control is placed to prevent the remote from being lost.
- \* Single chip microcomputer control, stable and reliable. Touch panel operation, convenient for man-machine interaction.
- \* High quality mirror plate is used to enhance the radiation intensity of ultraviolet lamp and improve the sterilization efficiency.



### Technical Parameters:

Model		BK-Y-600	BK-Y-800
Circulating Air		≥600m³/h	≥800m³/h
Noise		≤55dB	
O <sub>3</sub> Residue		≤0.0074mg/m³	
Applicable Room		≤60m³	≤80m³
Ultraviolet Leakage		≤5μw/cm²	
Working	Temp.Range	-10°C~40°C	
Environment	Humidity	≤80%	
	Atmosphere Pressure	60KPa~106KPa	
Consumption		≤350W	
Power Supply		AC110/220V±10%, 50/60Hz	
External Size(W*D*H)mm		540*420*900	
Package Size(W*D*H)mm		580*490*960	
Gross Weight(kg)		22	22.5

## UV Air Sterilizer(Wall Mounted)

### Application:

It is suitable for dynamic indoor air disinfection in class II, III and IV environments of hospitals, family, school, library, blood station, food and beverage factory, pharmaceutical factory, catering and other public places.



### Features:

- \* Large LCD display.
- \* Timing function of UV lamp cumulative use.
- \* Three modes of operation: Automatic, Artificial, Timing.
- \* Built-in high brightness, long life, ozone - free, U - type UV lamp.
- \* Automatic fault alarm function: UV lamp tube, motor, negative ion, plasma and O<sub>3</sub>.
- \* Within 24 hours, four periods of disinfection can be set and memory function can be provided.
- \* Automatically detect and display the temperature and humidity of the disinfection space in real time.
- \* Single chip microcomputer control, stable and reliable. Touch panel operation, convenient for man-machine interaction.
- \* The super-infrared receiving device can realize long-distance remote control and easy operation at any 45 degrees.  
A built-in hidden remote control is placed to prevent the remote from being lost.
- \* Adopt the structure of bottom air inlet and top air outlet. The silent fan circulates the air to prevent the cold air from blowing directly to the user.
- \* High quality mirror plate is used to enhance the radiation intensity of ultraviolet lamp and improve the sterilization efficiency.
- \* Automatically detect and display indoor air quality. When the air pollution index exceeds the standard, it will automatically start up and purify.

### Technical Parameters:

Model	BK-B-600	BK-B-800	BK-B-1000
Circulating Air	≥600m <sup>3</sup> /h	≥800m <sup>3</sup> /h	≥1000m <sup>3</sup> /h
Noise	≤55dB		
O <sub>3</sub> Residue	≤0.0074mg/m <sup>3</sup>		
Applicable Room	≤60m <sup>3</sup>	≤80m <sup>3</sup>	≤100m <sup>3</sup>
Ultraviolet Leakage	≤5μw/cm <sup>2</sup>		
Working Environment	Temp.Range	-10°C~40°C	
	Humidity	≤80%	
	Atmosphere Pressure	60KPa~106KPa	
Consumption	≤350W		≤400W
Power Supply	AC110/220V±10%, 50/60Hz		
External Size(W*D*H)mm	1000*410*195		1000*450*195
Package Size(W*D*H)mm	1100*520*240		1150*560*240
Gross Weight(kg)	27.5		33

## UV Air Sterilizer(Floor Standing)

### Application:

It is suitable for dynamic indoor air disinfection in class II, III and IV environments of hospitals, family, school, library, blood station, food and beverage factory, pharmaceutical factory, catering and other public places.

### Features:

- \* Large LCD display.
- \* Timing function of UV lamp cumulative use.
- \* Three modes of operation: Automatic, Artificial, Timing.
- \* Built-in high brightness, long life, ozone - free, U - type UV lamp.
- \* Single chip microcomputer control, stable and reliable.  
Touch panel operation, convenient for man-machine interaction.
- \* The super-infrared receiving device can realize long-distance remote control and easy operation at any 45 degrees. A built-in hidden remote control is placed to prevent the remote from being lost.
- \* Automatically detect and display indoor air quality. When the air pollution index exceeds the standard, it will automatically start up and purify.
- \* Adopt the structure of bottom air inlet and top air outlet. The silent fan circulates the air to prevent the cold air from blowing directly to the user.
- \* High quality mirror plate is used to enhance the radiation intensity of ultraviolet lamp and improve the sterilization efficiency.
- \* Automatic fault alarm function: UV lamp tube, motor, negative ion, plasma and O<sub>3</sub>.
- \* Within 24 hours, four periods of disinfection can be set and memory function can be provided.
- \* Automatically detect and display the temperature and humidity of the disinfection space in real time.



### Technical Parameters:

Model		BK-G-1200
Circulating Air		≥1200m <sup>3</sup> /h
Noise		≤55dB
O <sub>3</sub> Residue		≤0.0074mg/m <sup>3</sup>
Applicable Room		≤120m <sup>3</sup>
Ultraviolet Leakage		≤5μw/cm <sup>2</sup>
Working Environment	Temp.Range	-10℃~40℃
	Humidity	≤80%
	Atmosphere	60KPa~106KPa
Consumption		≤400W
Power Supply		AC110/220V±10%, 50/60Hz
External Size(W*D*H)mm		532*330*1691
Package Size(W*D*H)mm		585*380*1830
Gross Weight(kg)		55.6

## Gas Sterilizer

### H<sub>2</sub>O<sub>2</sub> Low Temperature Plasma Sterilizer



BKQ-PS100X



BKQ-PS100XP



BKQ-PS40X



BKQ-PS200X

#### Production Introduction:

BIOBASE Plasma sterilizer takes H<sub>2</sub>O<sub>2</sub> as sterilizing agent and from plasmatic state of H<sub>2</sub>O<sub>2</sub> by electromagnetic field under low temperature. It combines both gaseous and plasmatic H<sub>2</sub>O<sub>2</sub> to make sterilization for the items in chamber and decomposed the residual H<sub>2</sub>O<sub>2</sub> after sterilization.

It is widely used in CSSD or other medical institute for the sterilization of electric wire and cable, optical glasses and glass lens, power equipment and batteries, endoscopes, catheter, nonmetallic and other wet or heat sensitive instruments.

## Application:

The sterilizer is applicable to sterilize the medical instruments that are thermo labile or non-moisture tight. It is not applicable to the sterilization of liquid, powder or cotton fabrics. All the medical instruments that meet the following conditions can be processed by this type of sterilizer.

### BKQ-PS100:

Medical tubular instrument: inner diameter $\geq$ 1mm, length $\leq$ 500mm

Nonmetal tubular instrument: inner diameter  $\geq$ 1mm, length $\leq$ 2000mm

### BKQ-PS200:

Medical tubular instrument: inner diameter $\geq$ 0.8mm, length $\leq$ 300mm

Nonmetal tubular instrument: inner diameter  $\geq$ 1mm, length $\leq$ 1000mm

## Product Features:

### \* Low temperature sterilization

The sterilization temperature is  $50\pm 5^{\circ}\text{C}$  which is much lower than steam sterilization. It is dry sterilization that has no harm on instrument, so it extends the device service life.

### \* Safe and environment friendly

The matter after sterilization is water and oxygen molecule that have no toxic harm to staff or patient, and there is no need for drainage or air exhausting. High efficient  $\text{H}_2\text{O}_2$  filter is installed in the exhausting outlet to guarantee no  $\text{H}_2\text{O}_2$  pollution to the environment.

### \* Convenient

Only power supply is needed for installation. The system adopts man-machine control interface with intelligent program design. Equipped with foot switch (optional) and integrated biological incubator (optional).

### \* Multiple models

The door structure of the sterilizer is customizable (single or double door). To meet pharmaceutical factory needs, chamber material can be stainless steel.

### \* Reliable sterilization

The chamber adopts alloy material which has good thermal conductivity to guarantee a stable temperature in the chamber. The purification system makes the  $\text{H}_2\text{O}_2$  diffused uniformly. The low temperature storage system provides a stable concentration of  $\text{H}_2\text{O}_2$ .

### \* Safe sealing door

The sterilizer adopts mandrill-driving auto overhead door with reliable sealing function and safe lock device to guarantee personal safety.

### \* Data management

The 2048M storage (optional) can store original data for inquiring. Mini printer can be used to print operation data timely. There are two types of record methods to guarantee the data is 100% acquirable.

### \* Advanced configuration

The vacuum pump, controller, pressure transmitter and other key components are world famous brand. The sterilizer equipped with multiple programs and bar code identification system (optional).

### \* Reassuring

We provide comprehensive operation training materials to key components maintenance intelligent reminding system for your convenience.

## Optional Accessories:

### USB flash disk storage

Timely sterilizing information storage to guarantee all data can be safely stored and traced during the sterilizer service life. This accessory can also be updated to traceability system.



### Integrated biological incubator

The biological incubator will timely display temperature and incubate time. It equipped with independent control system that could work in case of the sterilizer switched off.

### Foot switch

Simply kick the switch to open or close the door.

### Alloy storage rack

The alloy storage rack realizes that sterilized articles can be separately stored.

### Metallic sterilizing container

To improve sterilizing result, we provide various sterilizing container for different kinds of instruments and operation kits.

### Auto elevating trolley

The trolley equipped with auto elevating platform, chargeable lithium battery. The convenient memory function could record three positions.

**Trolley size:** 1150\*780\*1165mm (for BKQ-PS100); 1650\*780\*1165mm (for BKQ-PS200).





**Biological indicator(self-contained)**  
Bacteria: Thermophilic fat bacillus  
Quantum:  $2.5 \times 10^6$



**Chemical indicator card**



**Microcicide**  
Name: hydrogen peroxide( $H_2O_2$ )  
Concentration: 60%  
Speification: 12 capsules per cassette



**Chemical indicator label**



**Paper-plastic wrapping bag**  
Size: wide: 70/100/150/250mm



**Non-woven fabric**  
Size: 500\*500mm, 800\*800mm, 1200\*1200mm

**Technical Parameters:**

Model	BKQ-PS40X	BKQ-PS100X	BKQ-PS100XP	BKQ-PS200X	BKQ-PS200XP
Volume	64L	135L		225L	
Chamber Size(L*W*H)mm	650*380*260	750*450*400		1250*450*400	
Consumption	3.5KW	3.8KW		4.7KW	
Power Supply	AC220V, 50Hz	380V, 50Hz		380V, 50Hz	
External Size(L*W*H)mm	850*725*750	990*760*1600		1460*760*1600	
Package Size(L*W*H)mm	1000*900*1220	1220*1080*2000		1690*1000*1960	
Gross Weight(kg)	240	460		580	

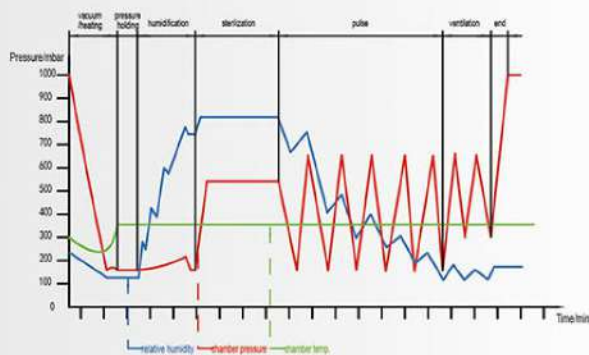
## Ethylene Oxide Sterilizer



### Features:

- \* **Negative pressure working system:** to guarantee in the whole operation process of EO gas overflow, even if there is leakage, and outside air into the cavity.
- \* **Automatic safety monitoring functions:** real-time monitoring of the sterilization chamber pressure changes.
- \* **Effective ventilation to remove residual:** automatic pulsing exhaust ventilation system, aim to minimize the epoxy ethane residues.
- \* **Safety door interlock:** during operation, unable to open the door.
- \* **Two temperature choices:** 55°C high temperature, 37°C low temperature.
- \* **Humidification control system:** built-in humidity sensor real-time monitoring.
- \* **Power off memory function**
- \* **Electric lift door**

Sterilization process





Internal Structure



EO Gas Can



EO Gas Can



Trolley

### Technical Parameters:

Model	BKEO2C-135	BKEO2C-225
Chamber Size(W*D*H)mm	750*450*400	1250*450*400
Overall Dimension(W*D*H)mm	950*860*1730	1450*860*1730
Chamber Volume(L)	135	225
Consumption	3.5KW	4.5KW
Power Supply	AC110/220V±10%, 50/60Hz	
Standard Accessories	Stainless steel basket*2 units, EO gas can*3 units, printer	
Package Size(W*D*H)mm	1100*950*1950(Main body) 1000*650*550(Accessories)	1650*1000*2050(Main body) 1550*500*530(Accessories)
Net Weight(kg)	300	400
Gross Weight(kg)	350	450

### EO Gas Can(Optional):

Model	Z-100	V-170
Size(mm)	φ50*150	
Net Weight(g)	100	170
Suitable Sterilizer	BKEO2C-135	BKEO2C-225
Sterilization Concentration	735mg/L	750mg/L

### Automatic Lifting Trolley(Optional):

Model	T-100	T-200
Loading Platform Dimension(W*D)mm	800*400	1300*400
Overall Dimension (W*D*H)mm	1150*780*1165	1650*780*1165
Sterilization Concentration	735mg/L	750mg/L
Lifting Range	720~1220	720~1220
Max. Load Capacity	100kg	150kg
Net Weight(kg)	55	70
Gross Weight(kg)	75	95
Suitable Sterilizer	BKEO2C-135	BKEO2C-225

## Washer Disinfector(Lab Automatic Glassware Washer)



BK-LW120



BK-LW220/320



BK-LW420

### Introduction:

The lab glassware washers integrate programmed cleaning, disinfecting and drying functions to clean all glassware stuff, for beaker, flask, pipette, petri dish, burette, measuring cylinder, test tube etc.

### Features:

- \* High efficient cleaning system, designed with European reliable pump, optimized spray arm and nozzles, and self-cleaning program;
- \* Rapid and efficient drying system, designed with independent air heater, HEPA filter and drying process;
- \* Water heating temperature can reach 99°C, while hot air drying temperature can reach 120°C;
- \* Professional configuration design—stainless steel for corrosion resistance; reinforced glass window mounted to achieve a clear view on washing process;
- \* PLC touch screen control with preset 12 programs and 99 customized programs
- \* Safety protection—electronic security door lock to prevent unexpected door opening, water & drying air temperature dual control and equipped with emergency switch.

### Standard Washing Procedure (can be self-designed by the user):

Pre-cleaning→Washing with cleaner→Rinse→Washing with neutralization→Rinse→Washing with hot water→Drying

All cleaning racks can be removed completely, convenient to washing rack pipeline:



Standard Rack  
(BKIR36)



Beaker Rack  
(BKBR01)



Combined Rack  
(BKIR11218)



Measuring  
Cylinder Rack  
(BKIR38)



Injection Rack  
(BKIR30)



Petri-dish  
Rack-Lower  
(BKPDR9075L)



Petri-dish  
Rack-Upper  
(BKPDR9075U)



Pipette Rack  
(BKPR60)



Rubber Tube Rack  
(BKTR20)

### Technical Parameters:

Model	BK-LW120	BK-LW220	BK-LW320	BK-LW420
Capacity	120L	220L	320L	420L
Water Consumption/Cycle	15L			25L
Inlet Water Pressure	0.03~0.8Mpa			
Noise	≤50dB	≤55dB		
Material	Internal materia: SS316, Outer material: SS304			
Overall Power Consumption	6KW	6.5/16.5KW	6.5/18KW	18kW
Power Consumption-Water Washing	0.75KW		1.5 KW	2.8KW
Power Consumption-Water Heating	5KW	5/15KW		15KW
Power Consumption-Drying	2.1KW	3.6KW		
Power Supply	AC220V, 50Hz	AC220V, 50Hz; 380V, 50Hz		380V, 50Hz
Cleaning Racks	1 pcs	2 pcs	3 pcs	2 pcs
Standard Cleaning Racks	BKIR36*1	BKIR36*2	BKIR36*3	BKIR36*2
Standard Accessories	One bucket RBS A 155 leaner (1 L), One bucket RBS A 375 neutralizer (1 L)			
Optional Accessories	USB interface, printer, Cleaning racks			Cleaning racks
Washer Chamber Size(W*D*H)mm	600*629*465	600*629*658	600*629*820	688*700*703
External Size(W*D*H)mm	960*740*850	780*690*1760	790*690*1950	1100*900*2165
Package Size(W*D*H)mm	1100*950*1050	1000*850*2100	1000*840*2180	1270*1025*2240
Gross Weight(kg)	145	330	350	400

## Washer Disinfector(Medical Automatic Glassware Washer)



Standard cleaning rack



Toughened glass door



LCD display

### Introduction:

Automatic medical washing disinfector provides standard and automatic cleaning and disinfection for most of medical equipments, so as to eliminate the possibility of infection in cleaning and disinfecting.

### Features:

- \* Two toughened glass doors, prevent cross infection.
- \* Color LCD touch screen, advanced programmable control system with six standard programs.
- \* High efficient cleaning system, with rotary nozzles in top, bottom and among the shelves to make sure that the spray liquid can contact the surface of devices completely.
- \* High efficient drying system with HEPA filter, can clean and dry the inner of tubular things.
- \* Thermal disinfection, water heating system can make sure the water temperature keep above 93°C to reach the international disinfecting efficiency level.

**Standard Washing Procedure (can be self-designed by the user):**

Pre-cleaning→Clean with enzymes →Rinse→Thermal disinfection→Glazing clean→Drying

**Technical Parameters:**

Model	BK-LW220D	BK-LW320D	BK-LW420D
Capacity	220L	320L	420L
Water Consumption/Cycle	15 L	18L	25L
Inlet Water Pressure	0.03~0.8Mpa		
Noise	<60dB		
Material	Stainless steel		
Overall Power Consumption	18KW		
Power Consumption-Water Washing	2.8KW		25KW
Power Consumption-Water Heating	15KW		
Power Consumption-Drying	3.6KW		
Power Supply	380V, 50Hz		
Standard Cleaning Racks	4 Layers	5 Layers	
	BK01-220*1	BK01-320*1	BK01-420*1
Standard Accessories	One bucket RBS A 150 leaner (1 L), One bucket RBS A 375 neutralizer (1 L)		
Optional Accessories	Trolley (BKO1)		
Washer Chamber Size(W*D*H)mm	600*629*658	600*629*820	688*700*703
External Size(W*D*H)mm	930*700*1840	930*700*1990	1100*900*2165
Package Size(W*D*H)mm	1100*1000*2200	1100*1000*2350	1270*1025*2340
Gross Weight(kg)	360	370	400

# KGC

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