Autoclave Sterilizer

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 Sterilizer 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-Z18N	BKM-Z24N
Capacity	18L	24L
Sterilization Class	Class N (according to EN 13060 standard)	
Sterilization Temp.	121℃, 134℃	
Drying Procedure	Heating dry	
Display	LED display	
Testing System	B&D test	
Control Precision	Temperature: 1℃ Pressure: 0.1bar	
Sterilization Data	Optional Mini printer	
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	4L	
Water Consumption	0.16L~0.18L in one cycle	
Tray Holder	3 pcs SS trays on SS shelf	
Chamber	Medical stainless steel 304 unibody structure Max working pressure: 2.3bar Min working pressure: -0.9bar Max temperature: 145℃	
Ambient Temp.	5~40℃	
Noise	<50dB	
Power Supply	AC110/220V±10%, 50/60Hz	
Power Consumption	1500W	1700W
Chamber Size(mm)	φ245*360	φ245*470
External Size(W*D*H) mm	560*450*400	670*450*400
Package Size(W*D*H) mm	660*525*495	770*525*495
Gross Weight(kg)	53	60

Table Top Autoclave Sterilizer Class B Series

BKM-Z18/24B

BKM-Z16B

USB

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
Sterilization Class	Class B (according to EN 13060 standard)		
Sterilization Temperature	121℃, 134℃		
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℃		
	Pressure: 0.1bar		
Sterilization Data	Optional Mini printer		
	Standard USB port for BKM-Z18/24B		
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	4L		
Water Consumption	0.16L~0.18L in one cycle		
Tray Holder	3 pcs SS trays on SS shelf		
Chamber	Medical stainless steel 304 unibody structure		
	Max working pressure: 2.3bar		
	Min working pressure: -0.9bar		
	Max temperature: 145℃		
Ambient Temp.	5~40℃		
Noise	<50dB		
Power Supply	AC110/220V±10%, 50/60Hz		
Power Consumption	1800W	1750W	1850W
Chamber Size(mm)	φ240*360	φ247*360	φ247*470
External Size(W*D*H)mm	445*450*395	495*600*410	495*700*410
Package Size(W*D*H)mm	670*550*500	610*760*610	610*810*610
Gross Weight(kg)	52	61	63

Table Top Autoclave Sterilizer Class B

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.

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

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

Features:

Built-in open type water tank

a. Easy-clean open type water tank

b. Water quality monitor

c. Water filter inside

d. Water level sensor

e. 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.

Loading tray

Type A

Type B

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

Optional Configuration:

Operation type: push-button operation or inductive operation
Record type: built-in printer
Electronic storage: USB flash disk
Remote monitoring: Pad with android system

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
Design Pressure(MPa)	-0.1/0.3MPa				
Design Temp.(℃)	144℃				
Temp. Range(℃)	105~138℃				
Chamber Material	Medical stainless steel 304				
Standard Loading Tray	Type A		Type B		
Power Supply	AC110/220V±10%, 50/60Hz		AC220V±10%, 50/60Hz		
Power Consumption	2.6KW	2.6KW	5.8KW	7.4KW	7.4KW
Chamber Size(mm)(Ø*L)	Ø250*350	Ø250*450	Ø316*618	Ø358*595	Ø358*717
External Size(W*D*H) mm	560*530*450	660*530*450	830*640*550	1002*730*560	1002*730*560
Package Size(W*D*H) mm	780*720*680	880*720*700	1015*750*730	1180*830*795	1180*830*795
Gross Weight(kg)	70	80	140	185	205

Table Top Autoclave Sterilizer Class S

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
a. Easy-clean open type water tank
b. Water quality monitor
c. Water filter inside
d. Water level sensor
e. 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 pf 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.
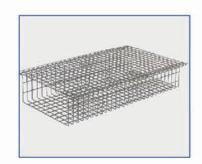
Other features
Heating, sterilization, exhausting, drying totally automatic.
Chamber is heated by film heater, saving energy and time.

Loading tray

Type A   Type B   Type C(Optional for 45/80L)

Optional Configuration:

Operation type: push-button operation or inductive operation
Record type: built-in printer
Electronic storage: USB flash disk
Remote monitoring: Pad with android system

Technical Parameters:

Model	BKM-Z24S	BKM-Z45S	BKM-Z80S
Capacity	24L	45L	80L
Design Pressure(MPa)	-0.1/0.3MPa		
Design Temp.(℃)	144℃		
Temp. Range(℃)	105~138℃		
Chamber Material	Medical Stainless steel 304		
Standard Loading Tray	Type A	Type B	
Power Supply	AC110/220V±10%, 50/60Hz	AC220V±10%, 50/60Hz	
Power Consumption	2.6KW	5.8KW	7.4KW
Chamber Size(mm)(Ø*L)	Ø250*450	Ø316*618	Ø358*717
External Size(W*D*H) mm	660*530*450	830*640*550	1002*730*560
Package Size(W*D*H) mm	880*720*700	1015*750*730	1180*830*795
Gross Weight(kg)	80	140	205

Hand Wheel Vertical Autoclave Sterilizer

BKQ-B50/75/100/120(II)   BKQ-B150/200(II)

Application Range:

There are 5 fixed programs and 4 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.
* 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, draining and drying runs automatically.
* Adopting certain temperature (98~102℃) 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.

Technical Parameters:

Model	BKQ-B50(II)	BKQ-B75(II)	BKQ-B100(II)	BKQ-B120(II)	BKQ-B150(II)	BKQ-B200(II)
Capacity	50L	75L	100L	120L	150L	200L
Chamber Size(mm)	φ386*500	φ386*682	φ386*875	φ386*1055	φ500*760	φ500*1000
Chamber Material	304 medical stainless steel					
Max Designed Pressure	0.28Mpa					
Max Designed Temp	150℃					
Working Pressure	0.175MPa				0.217MPa	
Working Temp.	105~136℃				50~134℃	
Temp. Accuracy	±0.1℃					
Timing Range	0~999min					
Dynamic Pulse Exhaust Times	0~9 times					
Dynamic Pulse Exhaust Temp.	105~134℃					
Dissolution Temp. Range	60~100℃(programmable)					
Temp. Holding Range	40~60℃(programmable)					
Power Supply	AC110/220V, 50/60Hz			AC220V, 50/60Hz	380V, 50Hz	
Power Consumption	4.4KW	4.7KW	5.2KW	5.2KW	6KW	
SS Basket	1 pc	2 pcs	2 pcs	3 pcs	3 pcs	4 pcs
External Size(mm)	550*640*970	550*640*1070	550*640*1270	550*640*1370	715*720*1350	715*720*1550
Package Size(mm)	765*700*1150	765*700*1260	765*700*1450	765*700*1650	760*800*1500	760*800*1690
Gross Weight(kg)	110	114	135	160	230	260

Vertical Autoclave Sterilizer

Application Range:

Vertical autoclave is mainly used in hospitals, laboratories, universities and other institutes where users need to sterilizer 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(Φ*L)	385*412mm	385*515mm	385*715mm	385*915mm
Chamber Material	Polished SUS304 medical stainless steel			
Max Pressure	0.3MPa			
Rated Working Pressure	0.22MPa			
Max Temperature	150℃			
Working Temp Range	105~134℃			
Temp. Accuracy	±0.1℃			
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	2.8KW	3KW	3.5KW	4.5KW
Power Supply	220V, 50/60Hz			
Chamber Size(φ*H)mm	385*412	385*515	385*715	385*915
Outer Size(W*D*H)mm	610*645*710	610*645*850	610*645*1000	610*645*1200
Package Size(W*D*H)mm	770*670*950	770*670*1060	770*670*1210	770*670*1430
Gross Weight(kg)	100	108	114	125

BIOBASE®

Hand Wheel Vertical Pulse Vacuum Sterilizer

Features:

＊ Pulse vacuum exhaust to ensure the effect of steam sterilization.

＊ Removable probe detects the internal temperature of liquid directly, to ensure the sterilization effect of liquid program.

＊ Steam water internal circulation for 75L model.

＊ LCD screen display shows pressure, temperature, time and error codes.

＊ Standard built-in printer for recording the information during the entire sterilization process.

Technical Parameters:

Model		BKQ-B75V	BKQ-B100V
Capacity		75L	100L
Chamber Size(mm)		φ386*695	φ386*875
Chamber Material		304 medical stainless steel	
Max Designed Pressure		0.25MPa	
Max Designed Temp		124℃ or 137℃	
Working Pressure		0.22MPa	
Working Temp.		121℃ or 134℃	
Temp. Accuracy		±0.1℃	
Vacuum System		Eject vacuum system	Water circulation vacuum system
Circulation Patterns		Steam water internal circulation	External water circulation
Load	Solid instruments	15kg	20kg
	Wrapped equipment	10kg	15kg
	Porous load	5kg	8kg
Consumption		5.5KW	5.8KW
Power Supply		AC 220V, 50Hz	AC380V, 50Hz
External Size(W*D*H)mm		610*700*1100	610*700*1270
Package Size(W*D*H)mm		825*760*1300	825*760*1500
Gross Weight(kg)		145	170

Horizontal Cylindrical Pressure Steam Sterilizer

Features:

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

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	40~134℃				
Sterilization Time	0~60 min				
Drying Time	0~60 min				
Temp. Accuracy	≤±2℃				
Power 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

Horizontal Steam Sterilizer 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.

＊ 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.

＊ The positive pressure air-exhaust system to exhaust the cold air from chamber.

＊ Post-dying function makes the residual humidity of sterilized articles less than 3%.

＊ Touch screen display of temperature, pressure, time, running status and failure warning.

＊ Over-heat auto protection device, dual door safety lock device, over-pressure relief valve, short-circuit protection and over-pressure protection.

Technical Parameters:

Model	BKQ-B100(H)	BKQ-B150(H)	BKQ-B200(H)	BKQ-B300(H)
Capacity	100L	135L	185L	300L
Chamber Size	φ400*850mm	φ500*710mm	φ500*950mm	φ632*1000mm
Chamber Material	304 medical stainless steel			
Max Working Pressure	0.23Mpa			
Working Temp.	105~136℃			
Temp Accuracy	±0.1℃			
Power Consumption	11KW			17KW
Power Supply	380V, 50HZ			
External Size(W*D*H) mm	1250*730*1660	1110*750*1742	1350*750*1742	1400*890*1780
Package Size(W*D*H) mm	1450*1000*1950	1370*890*2060	1510*890*2060	1700*1050*2090
Gross Weight(kg)	310	470	540	830

Horizontal Pulse Vacuum Steam Sterilizer 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.

＊ LCD displays temperature, pressure, time, running status, failure and warning code.

＊ 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.

Technical Parameters:

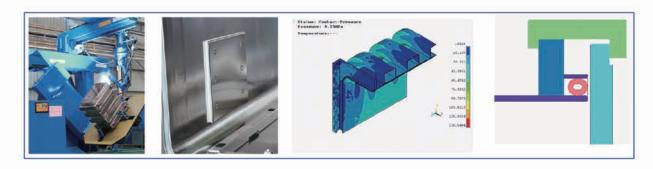| Model	BKQ-Z100(H)	BKQ-Z150(H)	BKQ-Z200(H)	BKQ-Z300(H)
Capacity	100L	135L	185L	300L
Chamber Size	φ400*850mm	φ500*710mm	φ500*950mm	φ632*1000mm
Chamber Material	304 medical stainless steel			
Max Working Pressure	0.23Mpa			
Vacuum Limit	-0.08MPa			
Working Temp.	105~136℃			
Temp Accuracy	±0.1℃			
Power Consumption	11KW			17KW
Power Supply	380V, 50Hz			
External Size(W*D*H) mm	1250*730*1660	1110*750*1742	1350*750*1742	1400*890*1780
Package Size(W*D*H) mm	1450*1000*1950	1370*890*2060	1510*890*2060	1700*1050*2090
Gross Weight(kg)	310	470	540	830

Large Horizontal Steam Sterilizer

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≤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.

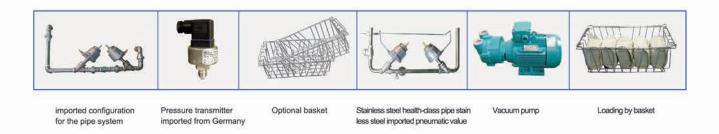### Reliable and durable chamber

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 value | 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 (℃)	144	144
Working Pressure (Mpa)	0.25	0.25
Max Working Temperature (℃)	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℃ and 134℃
* Instrument 121℃ and 134℃
* Liquid 121℃
* Rubber 121℃
* Flash 134℃
* Gravity 121℃
* 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; 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*D)	External Size (W*H*D)	Net Weight	Power Consumption	Power Supply
BKQ-140D-A	146L	420*420*830mm	1035*1700*1100mm	425 Kg	2.5KW	380V, 50Hz
BKQ-140DD-A				525 Kg	18KW	
BKQ-140S-A			1035*1700*1200mm	510 Kg	2.5KW	
BKQ-140SD-A				610 Kg	18KW	
BKQ-240D-A	241L	600*600*670mm	1286*1848*1000mm	580 Kg	2.5KW	380V, 50Hz
BKQ-240DD-A				660 Kg	24KW	
BKQ-240S-A			1286*1848*1100mm	660 Kg	2.5KW	
BKQ-240SD-A				720 Kg	24KW	
BKQ-240D-B			1286*1848*1000mm	600 Kg	2.5KW	
BKQ-240DD-B				680 Kg	24KW	
BKQ-240S-B			1286*1848*1100mm	680 Kg	2.5KW	
BKQ-240SD-B				740 Kg	24KW	
BKQ-350D-A	352L	600*600*980mm	1286*1848*1225mm	780 Kg	2.5KW	380V, 50Hz
BKQ-350DD-A				880 Kg	24KW	
BKQ-350S-A			1286*1848*1240mm	860 Kg	2.5KW	
BKQ-350SD-A				960 Kg	24KW	
BKQ-350D-B			1286*1848*1225mm	880 Kg	2.5KW	
BKQ-350DD-B				1000 Kg	24KW	
BKQ-350S-B			1286*1848*1240mm	960 Kg	2.5KW	
BKQ-350SD-B				1080 Kg	24KW	
BKQ-650D-B	655L	610*910*1180mm	1286*1980*1400mm	1170 Kg	4KW	380V, 50Hz
BKQ-650DD-B			1286*1980*1400mm	1270 Kg	46KW	
BKQ-650S-B			1286*1980*1420mm	1270 Kg	4KW	
BKQ-650SD-B			1286*1980*1420mm	1370 Kg	46KW	
BKQ-810D-B	810L	610*910*1460mm	1286*1980*1670mm	1260 Kg	4KW	380V, 50Hz
BKQ-810DD-B			1286*1980*1670mm	1360 Kg	61KW	
BKQ-810S-B			1286*1980*1700mm	1360 Kg	4KW	
BKQ-810SD-B			1286*1980*1700mm	1460 Kg	61Kw	
BKQ-990D-B	999L	610*910*1800mm	1286*1980*2020mm	1300 Kg	4KW	380V, 50Hz
BKQ-990DD-B			1286*1980*2020mm	1400 Kg	61KW	
BKQ-990S-B			1286*1980*2040mm	1400 Kg	4KW	
BKQ-990SD-B			1286*1980*2040mm	1500 Kg	61KW	
BKQ-1200D-B	1203L	680*1180*1500mm	1445*1940*1755mm	1950 Kg	5KW	380V, 50Hz
BKQ-1200S-B			1445*1940*1760mm	2050 Kg	5KW	
BKQ-1500D-B	1500L	680*1180*1870mm	1445*1940*2115mm	2111 Kg	5KW	380V, 50Hz
BKQ-1500S-B			1445*1940*2130mm	2211 Kg	5KW	

Portable Autoclave Sterilizer

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.

Timing control type

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).

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
Time Setting	1--99 minutes		No		No	
Temperature Setting	Rt +5~126℃		126℃ or 121℃		126℃ or 121℃	
Power Supply	AC220V, 50Hz					
Power Consumption	2KW					
Working Pressure	Along with temperature change		0.142Mpa		0.142Mpa	
Chamber Size(mm)	φ280*210	φ280*310	φ280*210	φ280*310	φ280*210	φ280*310
Package Size(W*D*H)mm	420*420*560	420*420*660	420*420*560	420*420*660	420*420*560	420*420*660
Gross Weight(kg)	10	12	10	12	10	12

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:

* Over-temperature alarm.
* Adjustable sterilization time.
* Top air outlet with adjustable air volume.
* 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℃				
Temp. Precision	0.1℃				
Temp. Fluctuation	±0.5℃				
Ambient Temp.	5~40℃				
Timing Range	1~9999min				
Shelves No.	2 pcs				
Power Consumption	600W	900W	1150W	1600W	3000W
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz				
Internal Size(W*D*H) mm	300*300*270	420*350*350	400*375*500	550*350*550	600*550*600
External Size(W*D*H) mm	600*470*420	710*520*520	550*550*860	840*530*730	890*730*780
Package Size(W*D*H) mm	690*550*600	840*680*630	680*680*990	970*670*860	1020*870*910
Gross Weight(kg)	45	50	75	80	100

H₂O₂ Low Temperature Plasma Sterilizer

BKQ-PS100X

BKQ-PS100XP

BKQ-PS40X

BKQ-PS200X

Production Introduction:

BIOBASE Plasma sterilizer takes H_2O_2 as sterilizing agent and from plasmatic state of H_2O_2 by electromagnetic field under low temperature. It combines both gaseous and plasmatic H_2O_2 to make sterilization for the items in chamber and decomposed the residual H_2O_2 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≥1mm, length≤500mm
Nonmetal tubular instrument: inner diameter ≥1mm, length≤2000mm

BKQ-PS200:

Medical tubular instrument: inner diameter≥0.8mm, length≤300mm
Nonmetal tubular instrument: inner diameter ≥1mm, length≤1000mm

Product Features:

∗ **Low temperature sterilization**

The sterilization temperature is 50±5℃ 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 H_2O_2 filter is installed in the exhausting outlet to guarantee no H_2O_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 H_2O_2 diffused uniformly. The low temperature storage system provides a stable concentration of H_2O_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.
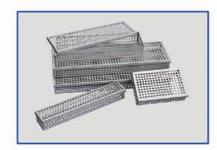
Metallic sterilizing container

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*10^6

Chemical indicator card

Microcibide
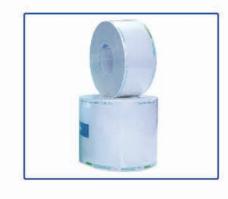Name: hydrogen peroxide(H_2O_2)
Concentration: 60%
Speification: 12 capsules per cassette

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	
Power Consumption	3.5KW	3.8KW		4.7KW	
Power Supply	AC220V, 50Hz	380V, 50Hz		380V, 50Hz	
External Size(W*D*H)mm	850*725*750	990*760*1600		1460*760*1600	
Package Size(W*D*H)mm	1000*900*1220	1220*1080*2000		1690*1000*1960	
Gross Weight(kg)	240	460		580	

EC DECLARATION OF CONFORMITY

We, **Biobase Biodustry (Shandong) Co., Ltd,**

No. 51 South Gongye Road, Jinan City, Shandong Province, P.R. China

herewith declare that the blow mentioned product meets the provisions of the **Council Directive 93/42/EEC** for Medical Device Directive (MDD). All supporting documention is retained under these premises and/or the premises of manufacture's subcontractors.

Product Name: **Pressure Steam Autoclave**

Model: **BKM-Z18N, BKM-Z24N, BKM-Z16B, BKM-Z18B, BKM-Z24B, BKM-Z18B(III), BKM-Z24B(III), BKM-Z45B(III), BKM-Z60B(III), BKM-Z80B(III), BKM-Z24S, BKM-Z45S, BKM-Z80S, BKQ-Z30I, BKQ-Z50I, BKQ-Z75I, BKQ-Z100I, BKQ-B50(II), BKQ-B75(II), BKQ-B100(II), BKQ-B120(II), BKQ-B150(II), BKQ-B200(II), BKQ-B50V, BKQ-B75V, BKQ-H150, BKQ-H200, BKQ-H300, BKQ-H400, BKQ-H500, BKQ-B100(H), BKQ-B150(H), BKQ-B200(H), BKQ-B300(H), BKQ-Z100(H), BKQ-Z150(H), BKQ-Z200(H), BKQ-Z300(H)**

Classification: **IIb** (according to classification rules in Annex IX of 93/42/EEC)

GMDN: **Sterilizer, moist heat, fluid / 41450**

Conformity Assessment Rout: Annex II excluding section 4(Module H)

Relevant harmonised standards: see the attachment

This DECLARATION OF CONFORMITY is valid in connection with the release document for the respective serial of produced devices.

The DECLARATION OF CONFORMITY is only valid in connection with a batch specific Certificate of compliance for the above products concerned bearing the CE mark.

Date of CE marking: April 18, 2019

Signed for and on behalf of
Company: Biobase Biodustry (Shandong) Co., Ltd.

General Manager:

Document No: BKMDD-190418

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BIOBASE

Attachment
For
the Relevant Harmonised Standards

Standard	Title
EN 13060:2014	Small steam sterilizers
EN 14180:2003+A2:2009	Sterilizers for medical purposes - Low temperature steam and formaldehyde sterilizers - Requirements and testing
EN ISO 13485:2016 EN ISO 13485:2016/AC:2016	Medical devices - Quality management systems - Requirements for regulatory purposes (ISO 13485:2016)
EN ISO 15223-1:2016	Medical devices - Symbols to be used with medical device labels, labelling and information to be supplied - Part 1: General requirements (ISO 15223-1:2016, Corrected version 2017-03)
EN ISO 10993-1:2009	Biological evaluation of medical devices - Part 1: Evaluation and testing within a risk management process
EN ISO 14971:2012	Medical devices - Application of risk management to medical devices
EN ISO 15223-1:2016	Medical devices - Symbols to be used with medical device labels, labelling and information to be supplied - Part 1: General requirements
EN 60601-1-1:2001	Medical electrical equipment - Part 1-1: General requirements for safety - Collateral standard: Safety requirements for medical electrical systems

REGISTRATION NO. 04719Q10000898

CERTIFICATE OF QUALITY MANAGEMENT
SYSTEM FOR MEDICAL DEVICES

This is to certify that the quality management system of

Jinan Biobase Biotech Co., Ltd.

Registered Address: OLABO Intelligent Manufacturing Industrial Park, Ancheng Town, Pingyin County, Jinan City, Shandong

Manufacturing Address: North Side of Jiwang Road, Mingshui Economic Development District, Zhangqiu, Jinan City; OLABO Intelligent Manufacturing Industrial Park, Ancheng Town, Pingyin County, Jinan City, Shandong

Has been assessed and conformed to the following standard(s)
YY/T 0287-2017 idt ISO 13485:2016

The certificate is valid for the following scope:

The Design, Development, Production and Service of biological safety cabinet; Class I Biosafety Cabinet; carbon dioxide incubator; low temperature freezer; laminar flow cabinet; biological isolation chamber; centrifuge; fume hood; PCR cabinet; dispensing booth.

Date of issue: July 22,2019
Date of expiry: July 21,2022
Date of change: July 06,2021

General Manager:

**BEIJING HUA GUANG CERTIFICATION
OF MEDICAL DEVICES CO., LTD.**