

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

Features:

1. 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.
2. Specially design for dental clinic field, it could sterilize 12 pieces hand piece at same time, simply and efficiently.
3. Sliding door design for easy secure operating—for BKM-Z2N.
4. Microprocessor control, LCD or LED display and modularized panel for easy operation.
5. Automatic malfunction detection system makes easy maintaining.



Technical Parameters:

| Model | BKM-Z2N | BKM-Z7N | BKM-Z10N | BKM-Z12N | BKM-Z18N | BKM-Z24N |
|--------------------------------|--|-------------|-------------|-------------|-------------|-------------|
| Capacity | 2L | 7L | 10L | 12L | 18L | 24L |
| Sterilization Class | Class N | | | | | |
| Sterilization Temp. | 121°C, 134°C | | | | | |
| Drying Procedure | Heating dry | | | | | |
| Display | High-light LED tube display | | | | | |
| Testing System | Bowie&Dick, Steam penetration test | | | | | |
| Control Precision | Temperature: 1°C | | | | | |
| | Pressure: 0.1bar | | | | | |
| Sterilization Data | Optional Mini printer | | | | | |
| Safety System | Relief valve | | | | | |
| | Hand lock door | | | | | |
| | Pressure lock system | | | | | |
| | Pressure or temperature over load protection | | | | | |
| | Alarm system | | | | | |
| Water Supply System | Build-in water tank, easy to clean | | | | | |
| Tray Holder | SS basket, SS shelf | | | | | |
| Chamber | Medical stainless steel 304 | | | | | |
| | Max working pressure: 2.3bar | | | | | |
| | Min working pressure: -0.9bar | | | | | |
| | Max temperature: 145°C | | | | | |
| Ambient Temp. | 5 ~ 40°C | | | | | |
| Noise | <50db | | | | | |
| Water Consumption in One Cycle | 0.12L~0.16L | | 0.16L~0.18L | | | |
| | Power Supply | | | | | |
| Power Consumption | 1200W | 1400W | 1400W | 1400W | 1500W | 1700W |
| Chamber Size(mm) | φ 88*175 | φ 170*320 | φ 192*320 | φ 192*340 | φ 245*360 | φ 245*470 |
| External Size(mm) | 350*284*376 | 540*370*360 | 540*370*360 | 560*450*400 | 560*450*400 | 670*450*400 |
| Packing Size(mm) | 415*345*441 | 615*440*425 | 615*440*425 | 660*525*495 | 660*525*495 | 770*525*495 |
| Net Weight | 26kg | 37kg | 40kg | 43kg | 47kg | 53kg |

Table Top Autoclave Class B Series



Features:

The newly-designed model with opening water tank on the top, strictly meets the standard of EN13060, which makes wash and cleaning much more convenient.

It adopts European B standard with 3-times pre-vacuum preceding vacuum drying. Residual humidity is less than 0.2%.

Vacuum measurement reaches -0.8bar. It sterilizes and sanitizes miscellaneous packed or unpacked medical instruments, whether solid or A-type hollow, whether with multi-apertures or inset pipes. It efficiently tides air from every hollow area of any hollow instrument, such as hand-piece, making sure that water steam reaches every corner.

Fuzzily computer controlled, digital bright show. The interface is modularized panel for easy operation.

It is installed with BOWIE&DICK which measures the penetration of water steam.

Mini printer can be attached to record the process of sterilization.

Technical Parameters:

| Model | BKM-Z2B | BKM-Z7B | BKM-Z10B | BKM-Z12B | BKM-Z16B | BKM-Z18B | BKM-Z24B |
|--------------------------------|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Capacity | 2L | 7L | 10L | 12L | 16L | 18L | 24L |
| Sterilization Class | Class B | | | | | | |
| Sterilization Temperature | 121°C, 134°C | | | | | | |
| Special Program | HIV, HBV long-sterilization program | | | | | | |
| Dry System | Vacuum drying system | | | | | | |
| Display | High-light LED tube display | | | | | | |
| Testing System | Bowie & Dick Test | | | | | | |
| | Vacuum Test | | | | | | |
| | Helix Test | | | | | | |
| Control Precision | Temperature: 1°C | | | | | | |
| | Pressure: 0.1bar | | | | | | |
| Sterilization Data | Optional Mini printer | | | | | | |
| Safety System | Relief valve | | | | | | |
| | Hand lock door | | | | | | |
| | Pressure lock system | | | | | | |
| | Pressure or temperature over load protection | | | | | | |
| Water Supply System | Build-in water tank, easy to clean | | | | | | |
| | Alarm system | | | | | | |
| Tray Holder | SS basket, SS shelf | | | | | | |
| Chamber | Medical stainless steel 304 | | | | | | |
| | Max working pressure: 2.3bar | | | | | | |
| | Min working pressure: -0.9bar | | | | | | |
| Ambient Temperature | 5 ~ 40°C | | | | | | |
| Noise | <50db | | | | | | |
| Water Consumption in One Cycle | 0.12L~0.16L | | | 0.16L~0.18L | | | |
| | Power Supply | | | | | | |
| Power Consumption | 1200W | 1400W | 1400W | 1400W | 1800W | 1500W | 1700W |
| Chamber Size(mm) | φ 88*175 | φ 170*320 | φ 192*320 | φ 192*340 | φ 240*360 | φ 245*360 | φ 245*470 |
| External Size(mm) | 350*284*376 | 540*370*360 | 540*370*360 | 560*450*400 | 445*550*395 | 560*450*400 | 670*450*400 |
| Packing Size(mm) | 415*345*441 | 615*440*425 | 615*440*425 | 660*525*495 | 670*550*500 | 660*525*495 | 770*525*495 |
| Net Weight | 26kg | 37kg | 40kg | 43kg | 47kg | 47kg | 53kg |

Table Top Autoclave Class B Series

European EN 13060 standard with 3-times pre-vacuum preceding vacuum drying



Features

Build-in open type water tank

The sterilizer adopts easy-clean open type water tank that equipped with water quality monitor to ensure the reliability of steam quality and sterilizer operation. A fully injected water tank can support repeated program running.

High-efficiency and accuracy ultimate vacuum

The sterilizer adopts high-efficiency low noise vacuum system which has excellent effects. The ultimate vacuum value can reach -90KPa or above.

New operation interface and Multiple program types

The LCD screen can display temperature, pressure, time, operating status, failure warning and other information. 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.

Other features

1. Standard built in printer
2. 0.22um high-efficiency sterilizing filter. It guarantees the air is sterile and prevents repeated contamination.
3. Electronic storage: USB flash disk

Multiple security protective devices

Overhead auto protective device, multiple control and protection for steam generator safe door interlock, double overpressure protection, electronic circuit safety device.

Technical Parameters:

| Model | BKM-Z18BII | BKM-Z24BII |
|--------------------------------|--|-------------|
| Capacity | 18L | 24L |
| Sterilization Class | CLASS B | |
| Sterilization Temperature | 121 ,134 | |
| Special Program | HIV, HBV long-sterilization program | |
| Dry System | Vacuum drying system | |
| Display | High-light LED tube display | |
| Testing System | Bowie & Dick Test | |
| | Vacuum Test | |
| | Helix Test | |
| Control Precision | Temperature: 1 | |
| | Pressure: 0.1bar | |
| Safety System | Relief valve | |
| | Hand lock door | |
| | Pressure lock system | |
| | Pressure or temperature over load protection | |
| Water Supply System | Alarm system | |
| | Build-in water tank easy to clean | |
| Tray Holder | SS basket, SS shelf | |
| Chamber | Medical stainless steel 304 | |
| | Max working pressure:2.3bar | |
| | Min working pressure: -0.9bar | |
| Operation Temperature | Max temperature: 145 | |
| | 5-40 | |
| Water consumption in one cycle | 0.16L~0.18L | |
| Power supply | 220V±10%, 50/60Hz | |
| Power consumption | 1500W | 1700W |
| Chamber Size(mm) | φ245×360 | φ245×470 |
| External Size(mm) | 560*450*400 | 670*450*400 |
| Packing Size(mm) | 660*525*495 | 770*525*495 |
| Net Weight | 47kg | 53kg |

Automatic High Temperature and Pressure Rapid Sterilizer

BKM-BIII series sterilizer is an automatic high temperature and pressure rapid sterilizer which works with steam as medium. It can be widely used in department of stomatology and ophthalmology, operating room, supply room, dialysis room and other medical institutions. It is unpacked items, solid instruments, dental hand pieces, endoscopes, implantable instruments, dressing fabric and rubber tubes, etc.



Features:

Build-in open type water tank

The sterilizer adopts easy-clean open type water tank that equipped with water quality monitor to ensure the reliability of steam quality and sterilizer operation .A fully injected water tank can support repeated program running.

Brand-new operation interface

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 security protective device

Overhead auto protective device, multiple control and protection for steam generator safe door interlock, double overpressure protection, electronic circuit safety device.

Automatic door

BKM-Z18/24/45BIIIseries adopt auto door structure that can effectively prevent scald. BKM-Z60/80BIII series door structure adopt multipoint stitching technology to ensure seal reliability .The door equipped with convenient one-button switch.

High-efficiency ultimate vacuum

The sterilizer adopts high-efficiency low noise vacuum system which has excellent effects. The ultimate vacuum value can reach -90KPa or above.

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.

High-efficiency steam generator

BKM-Z18/Z24/Z45BIII equipment with build-in instant steam generator. BKM-Z60/Z80BIII equipped with build-in energy-storing steam generator.

Other features

0.22um high-efficiency sterilizing filter that guarantees the air is sterile and prevents repeated contamination. All the processes of water injection, pulse vacuum, heating up, sterilization, exhausting and drying are automatic.

Optional configuration

Operation type: push-button operation or inductive operation or inductive operation

Record type: printer

Electronic storage: USB flash disk

Remote monitoring: computer or pad

Technical Parameters:

| Model | BKM-Z18BIII | BKM-Z24BIII | BKM-Z45BIII | BKM-Z60BIII | BKM-Z80BIII |
|-------------------|----------------------------|-------------|-------------|--------------|--------------|
| Capacity(L) | 18L | 24L | 45L | 60L | 80L |
| Design Pressure | -0.1/0.3MPa | | | | |
| Design Temp. | 144℃ | | | | |
| Temp.Range | 105-136℃ | | | | |
| Chamber Material | 06Cr19Ni10 Stainless steel | | | | |
| Power Supply | 110/220V ± 10%, 50/60Hz | | | | |
| Consumption | 2KW | 2KW | 3.8KW | 7KW | 7KW |
| Chamber Size(mm) | ø250*350 | ø250*450 | ø316*618 | ø385*595 | ø385*717 |
| External Size(mm) | 585*515*450 | 685*515*450 | 830*640*550 | 1002*730*560 | 1002*730*560 |
| Net Weight | 55Kg | 65Kg | 115Kg | 160Kg | 180Kg |

Hand Wheel Type 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.

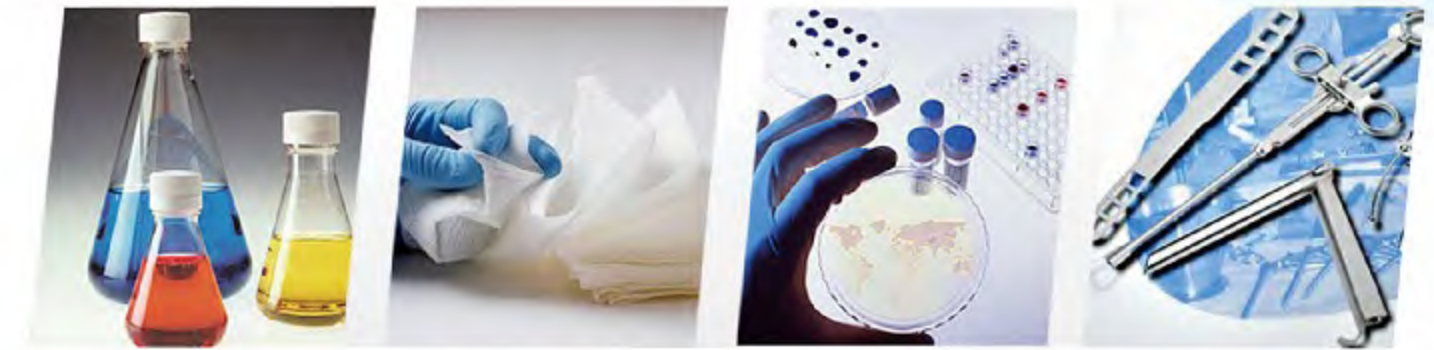
For BIOBASE hand wheel type vertical autoclave, there are 5 fixed programs and 4 DIY programs according to different sterilization objects. And there is also program for sterilizing and dissolving culture medium. Users just need to select different programs for sterilization.

- Fully automatic sterilization process
- Various sterilization objects
- Nine sterilization programs
- Dynamic pulse exhaust
- Drying function
- Six safety protection
- Independent knock-down service window



Technical features:

1. Complete process of filling water, dynamic pulse exhaust, heating, sterilizing, draining and drying run automatically.
2. LED screen displays all steps of full process as well as error codes.
3. Sterilization programs for dressings, equipment, rubber, culture medium, waste, etc.
4. 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.
5. Automatic selecting quick or low exhaust to avoid sterilization liquid overflowing.
6. 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.
7. Independent knock-down service window, easy for repairing and maintenance.
8. Hand wheel type of quick-open door structure, self-expandable sealing ring, easy operating and safe.



Safety features:

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

| Model | BKQ-B50II | BKQ-B75II | BKQ-B100II |
|-----------------------------|-----------------------------|----------------|----------------|
| Capacity | 50L | 75L | 100L |
| Chamber material | 304 medical stainless steel | | |
| Max designed pressure | 0.28Mpa | | |
| Max designed temp | 150 °C | | |
| Working pressure | 0.22MPa | | |
| Working temp range | 105 ~ 136 °C | | |
| Temp accuracy | ±0.1 °C | | |
| Timing range | 0-999min | | |
| Dynamic pulse exhaust times | 0 ~ 9 times | | |
| Dynamic pulse exhaust temp | 105~132 °C | | |
| Dissolution temp range | 60 ~ 100 °C (programmable) | | |
| Temp holding range | 40 ~ 60 °C (programmable) | | |
| Power supply | AC220V,50/60Hz; 22A | | |
| Standard Accessories | Stainless steel basket*2pcs | | |
| Chamber size | φ386*50mm | φ386*682mm | φ386*875mm |
| Power consumption | 4.4KW | 4.7KW | 5.2KW |
| Outer size (W*D*H) | 550*640*980mm | 550*640*1080mm | 550*640*1260mm |
| Net weight | 70KG | 85KG | 105KG |

Flip-open Door Type 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.



Technical features:

1. Flip-open door structure with spring booster, easy to open.
2. Fully 304 stainless steel construction.
3. 7 sterilization programs for dressings, equipment, rubber, liquid etc.
4. Door cover is wrapped completely, to prevent scald effectively.
5. Radial self-expanding silicone rubber seals with high effect and long using life.
6. Sloped control panel, easy to observe and operate; LED displays inside temperature, time and error codes.
7. Automatic exhausting steam function.
8. Reliable mechanical safety interlock feature.
9. Complete protection system.

Safety features:

1. Over pressure, safety valve can automatically open to release pressure.
2. Over temperature, the system will power off automatically.
3. Sensor at door closing position, to check the door status. If door is open, operation will stop.
4. Anti dry-out function. If water level is too low, system will power off and error code displays on screen.
5. Over current, over voltage or electric leakage protection apparatus-air switch.

Technical parameters:

| Model | BKQ-Z30I | BKQ-Z50I | BKQ-Z75I | BKQ-Z100I |
|----------------------------|---|---------------|----------------|----------------|
| Capacity | 30L | 50L | 75L | 100L |
| Chamber size(Φ*L) | 385*412 mm | 385*515 mm | 385*715 mm | 385*915 mm |
| Chamber material | Polished SUS304 medical stainless steel | | | |
| Max pressure | 0.28MPa | | | |
| Rated working pressure | 0.165MPa | | | |
| Max temperature | 150℃ | | | |
| Working temp range | 105~126℃ | | | |
| Dynamic pulse exhaust time | 0~9times | | | |
| Power consumption | 2.8KW | | | |
| Power supply | 220V, 50/60Hz | | | |
| Outer size(W*D*H) | 610*645*710mm | 610*645*850mm | 610*645*1000mm | 610*645*1200mm |
| Net weight | 68kg | 75 kg | 85 kg | 100 kg |

Horizontal Steam Sterilizer Autoclave

Production introduction

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

Technical Parameters

Design pressure: 0.25Mpa
 Maximum working pressure: 0.23Mpa
 Sterilizing temperature: 105-136 °C
 Chamber material: 06cr19Ni10 stainless steel(304)
 Accuracy of temperature display: 0.1 °C
 Accuracy of pressure display: 1Kpa



Technical features :

1. Touch screen display of temperature, pressure, time, running status and failure warning.
2. Equipped with professional and systematized sterilizing programs of fabric, instrument, rubber and liquid.
3. The positive pressure air-discharging system will effectively discharge the cold air from chamber to improve steam saturability.
4. Build-in efficient steam generator, microcomputer temperature control, time and energy saving.
5. Equipped with post-drying function which makes the residual humidity of sterilized articles less than 3%.
6. Equipped with printer to print date, time and process parameters.
7. Over-heat auto protection device, dual door safety lock device, over-pressure relief valve, short-circuit protection and over-pressure protection.
8. Perfect four-level authority management system to avoid misoperation.

| Model | Volume | Chamber Dimension(θ*L) | Overall Dimension (L*W*H) | Net Weight | Power Supply | Input power |
|-----------|--------|------------------------|---------------------------|------------|-----------------|----------------------|
| BKQ-B100H | 100L | 380*710mm | 1000*679*1600mm | 260Kg | AC380V, 50HZ | 11KW 17KW |
| BKQ-B150H | 135L | 500*710mm | 1110*750*1742mm | 400Kg | | |
| BKQ-B200H | 185L | 500*950mm | 1350*750*1742mm | 460kg | | |
| BKQ-B300H | 300L | 632*1000mm | 1400*890*1780mm | 750Kg | | |

Horizontal Pulse Vacuum Steam Sterilizer Autoclave

Production introduction

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 instruments, A-class cavity instrument (dental hand-pieces and endoscopes), implantable instruments, dressing fabric and rubber tubes, etc.

Technical Parameters

Design pressure:-0.1/0.25MPa
 Accuracy of temperature display: 0.1 °C
 Maximum working pressure: 0.23MPa
 Accuracy of pressure display: 1KPa
 Vacuum limit: -0.080MPa
 Chamber material: 304 stainless steel
 Sterilizing temperature: 105-136 °C



Technical features :

1. Equipped with professional and systematized sterilizing programs of fabric, instrument, rubber, liquid, cavity, testing and auxiliary programs of BD, PCD and leakage.
2. Temperature, pressure, time, running status, failure warning liquid-crystal display.
3. Intelligentized drying system to guarantee the residual humidity of instrument and dressing no more than 0.2% and 1% respectively.
4. Build-in efficient steam generator, microcomputer temperature control, time and energy saving.
5. Equipped with printer to print date, time and process parameters.
6. Over-heat auto protection device, dual door safety lock device, overpressure relief valve, short-circuit protection, and overpressure protection.
7. Perfect four-level authority management system to avoid misoperation.

| Model | Volume | Chamber Dimension(θ*L) | Overall Dimension (L*W*H) | Net Weight | Power Supply | Input power |
|-----------|--------|------------------------|---------------------------|------------|-----------------|----------------------|
| BKQ-Z100H | 100L | 380*710mm | 1000*679*1600mm | 260Kg | AC380V, 50HZ | 11KW 17KW |
| BKQ-Z150H | 135L | 500*710mm | 1110*750*1742mm | 400Kg | | |
| BKQ-Z200H | 185L | 500*950mm | 1350*750*1742mm | 460kg | | |
| BKQ-Z300H | 300L | 632*1000mm | 1400*890*1780mm | 750Kg | | |