



Benchtop Autoclaves / Steam Sterilisers

Our Benchtop autoclaves are small units designed to provide routine sterilisation functions while preserving valuable lab space. They use high pressure, vacuum environment, heated steam to sterilise a variety of liquids, media, instruments, glassware, plasticware and other commonly used in laboratories.

These autoclaves feature a compact, space-saving design with a surprisingly large 20L or 24L sterilization chamber, and fully automatic operation with a quick start button. With a safety inner door lock, our benchtop autoclaves are safe, convenient and affordable units that meet all of your sterilisation needs.

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High Efficiency:

- Digital adjustable timer with 16 memory programmable cycles
- Status indicator to monitor entire process
- Independent drying system is easy for the operator to set the time from 0 min. ~ 99 min.
- Use high quality components to ensure longer life of operation

High safety protection

- Double door locking safety device: it prevents door from opening while chamber is pressurized over 0.28kg/cm²
- Emergency protection system: the autoclave can be stopped anytime and be restarted while in safe condition.
- Safety indicator light: Door open warning sensor with indicator light. Water sensor and indicator light to alarm low water level

High friendly convenience interface

- Single touch operation to start a sterilization cycle
- LED display to count down to the end of cycle
- LED display to inform the total sterilization cycle has performed
- Digital display to show the sterilization stage (dL/oA/Ed) and error code(E1-E9) clearly

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Benchtop Autoclave AB-200 Series

The AB-200 front loading 'Benchtop' autoclave range is available in three sizes, 16l, 18l and 23l. A 5.7" colour touchscreen with integrated USB data port. It can store up to 2000 data cycles Sterilisation data which can be transferred to computer / printer. The chamber/pressure vessel is designed with electropolished stainless steel. The pressure vessel ensures the absolute minimum amount of water is used during a sterilization cycle, which not only means comparably low power consumption, but also very quick heating and cooling.

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The AB-200 front loading 'Benchtop' autoclave range is available in three sizes, 16l, 18l and 23l. A 5.7" colour touchscreen with integrated USB data port. It can store up to 2000 data cycles Sterilisation data which can be transferred to computer / printer. The chamber/pressure vessel is designed with electropolished stainless steel. The pressure vessel ensures the absolute minimum amount of water is used during a sterilization cycle, which not only means comparably low power consumption, but also very quick heating and cooling.

- Electropolished stainless steel chamber
- Simple pre-post vacuum option available
- Adjustable time and temperature
- Exterior is designed with fully molded ABS plastic
- New Tabletop Water tank design
- Pressure, mechanical, electronic door lock system, completely cut off hidden danger.
- Double temperature monitoring system, analyse and compare the different temperature of the tank, to guarantee and control every heating stage accurately.
- Adopt high analytical pressure sensor, the pressure can accurate to 0.001 bar, in the mean time we add sampling system to improve the accuracy of information.
- Circular heating reaches minimum temperature difference. Pressure-prevention and corruption-resistance makes it highly reliable. Alloy heating loop protects against damage by no-water heating.
- High efficiency double pump, low noise, vacuum ability can reach -0.92 bar, double head ensure the balance during working and stable vacuum state in the chamber.
- Raise 10 times temperature controlling precision system, can accurate to 0.1°C.
- Stable ULKA water pump
- Pass by all kinds of bacteria test, come with B&D testing system, vacuum testing system, Helix testing system, can examine every parameter index, to guarantee the validity of sterilization.
- Original fuzzy control system driven by steam generator adopts OWM(pulse with modulation), able to discriminate the fine differences in temperature allowances and to adjust the modulated waves correspondingly thus making temperature rise at the same speed each time
- High quality CEME valve
- Built-in USB interface

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- High quality CEME valve
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Specification

Model	AB-216	AB-218	AB-223
Sterilizing chamber volume	14l	17l	23l
Chamber Dimensions(L*D*H)	? 250x270	? 250x350	?250X490
External Dimensions(L*D*H)	480 x480 x420 mm	480 x530 x420 mm	480 x690 x420 mm
Power Consumption	1600W	1800W	2200W
Insulation Class	class B		
Display	LCD		
Interface	USB or External Printer		
Control Accuracy	Temperature 0.1 ?, Pressure 0.001 bar		
Sterilization level	Class B		
Sterilization temperature	121?,134?		
Special sterilization	HIV/AIDS, hepatitis b (HBV), mad cow virus and spore.		
Drying procedure	A strong negative vacuum drying		
Operation interface	Adopt the operation of the new interface LCD screen can display temperature and pressure time running state, fault alarm information, etc		
Test system	Bowie & Dick Steam penetration test, Vacuum test, Helix test		
Control accuracy	Temperature 0.1?, pressure 0.1 Kpa.		

Sterilization data	External USB connection , (printer is optional)		
Multiple safety	Interlock protection device: Safety valve, Pressure interlock, door alarm, automatic breakdown check. Over temperature and pressure protected.		
Water system	Internal open water tank, easy to clear.		
Sterilization Configuration	Activities tray rack, match 3 pallets		
Working Temperature	134C		
Working Pressure	2.1bar		
Warm Up Time	0 - 7min		
Pump down Time	10min		
Air Intake Time	4min		
Working Time	6min		
Drying Time	18min		
Quick Drying Time	9min		
Total Time	40min		
Security	Safety valve, pressure system, mechanical and electric lock. Self-diagnosis, pressure-protection device, heating-exceeding		
Test Programmers	Helix/BD Test; Vacuum Test		
Drying Progress	Three times pulsation vacuum, temperature less than 0.2% after finish.		
External Dimensions	616x460x420	616x460x420	616*460*420
Net Weight (kg)	42.5	47	53
Shipping Dimensions	655x545x450	655x545x450	750X545X450
Gross Weight (kg)	50.5	55	62
Electrical Requirements	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz
Catalogue No.	58005052	58005102	58005152

Description

The AB-200 front loading 'Benchtop' autoclave range is available in three sizes, 16l, 18l and 23l. A 5.7" colour touchscreen with integrated USB data port. It can store up to 2000 data cycles Sterilisation data which can be transferred to computer / printer. The chamber/pressure vessel is designed with electropolished stainless steel. The pressure vessel ensures the absolute minimum amount of water is used during a sterilization cycle, which not only means comparably low power consumption, but also very quick heating and cooling.

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- High efficiency double pump, low noise, vacuum ability can reach -0.92 bar, double head ensure the balance during working and stable vacuum state in the chamber.
- Raise 10 times temperature controlling precision system, can accurate to 0.1°C.
- Stable ULKA water pump

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Insulation Class	class B		
Display	LCD		
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Control Accuracy	Temperature 0.1 ?, Pressure 0.001 bar		
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Special sterilization	HIV/AIDS, hepatitis b (HBV), mad cow virus and spore.		
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Sterilization data	External USB connection , (printer is optional)		
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Water system	Internal open water tank, easy to clear.		
Sterilization Configuration	Activities tray rack, match 3 pallets		
Working Temperature	134C		
Working Pressure	2.1bar		
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Control Accuracy	Temperature 0.1 ?, Pressure 0.001 bar		
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Electrical Requirements	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz
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Pulse Vacuum Tabletop Autoclave AB-400 Series

Based on the new class B of international EN-13060, with 3 pulsating vacuum. Vacuum up to -0.9 Bar (-0.09Mpa). Suitable to sterilize wrap, unwrap, solid, porous, hollow device.

Description

Based on the new class B of international EN-13060, with 3 pulsating vacuum. Vacuum up to -0.9 Bar (-0.09Mpa). Suitable to sterilize wrap, unwrap, solid, porous, hollow device.

- Standard Class B with three times vacuum and drying, the remaining temperature of sterilized instrument is less than 0.2%.
- LCD display working status, touch keys.
- The vacuum data can reach -0.8bar, it fits various instrument, including package, unpackaged, solid, hollow, multi-apertures and inset pipes. It makes sure the instrument can be sterilized completely.
- Fully computer controlled LCD display bright show. The interface is modularized panel for easy operation.
- It is installed with BOWIE&DICK which measures the penetration of water steam.
- It has vacuum text which can make sure the ability of texting vacuuming.
- Fast and independent steam generator.
- Built-in mini printer which can record the sterilizer information.
- Safety valve Safety lock door system Pressure or temperature overload protection, Alarm system.
- Can inactivate HIV, HBV, mad cow virus and bacillus.
- Advanced 16-bit microprocessor, easy to operate. Most suitable for the Dept of Stomatology, Ophthalmology, Surgery and Lab.
- With BD test, Helix and vacuum test procedures.
- The jet type of steam generator, ensure the efficient sterilizing..
- Alarm system for waste water tank, avoid the waste water to enter the sterilizing circulation,.
- Precise digital display and advanced self-test system ensure you to get the working data freely.
- Double door-locking system, guarantees the operation and security.
- Optional inbuilt mini-printer or USB connector to record the process of sterilizing.
- The new design of water tank on top for easy maintenance.

Description

Based on the new class B of international EN-13060, with 3 pulsating vacuum. Vacuum up to -0.9 Bar (-0.09Mpa). Suitable to sterilize wrap, unwrap, solid, porous, hollow device.

- Standard Class B with three times vacuum and drying, the remaining temperature of sterilized instrument is less than 0.2%.
- LCD display working status, touch keys.
- The vacuum data can reach -0.8bar, it fits various instrument, including package, unpackaged, solid, hollow,

multi-apertures and inset pipes. It makes sure the instrument can be sterilized completely.

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- Optional inbuilt mini-printer or USB connector to record the process of sterilizing.
- The new design of water tank on top for easy maintenance.

Specification

Model	AB-412	AB-418	AB-424	AB-435	AB-450
Sterilising chamber volume	12L	18L	24L	35L	50L
Chamber Dimensions	200×370 mm	250×360 mm	250×470 mm	300×500 mm	340×550 mm
Working pressure	0.22 Mpa				
Working temperature	134 °C				
Temperature Range	105-134 °C				
Timer	0-99 min				
Heat average	±1 °C				
Power	1.8KW	2KW	2KW	2.7KW	2.7KW
Dimension(mm)	560×470×400	560×470×400	675×470×400	730×550×510	770×600×540
Net Weight (kg)	43	47	53	93	106
Shipping Package Dimensions (mm)	655×560×495	655×560×495	765×560×495	810×680×650	880×730×700
Gross Weight (kg)	48	52	58	115	130
Electrical Requirements					
Catalogue No.					

Description

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Specification

Model	AB-412	AB-418	AB-424	AB-435	AB-450
Sterilising chamber volume	12L	18L	24L	35L	50L
Chamber Dimensions	2200×370 mm	2250×360 mm	2250×470 mm	2300×500 mm	2340×550 mm
Working pressure	0.22 Mpa				
Working temperature	134 °C				
Temperature Range	105-134 °C				
Timer	0-99 min				
Heat average	±1 °C				
Power	1.8KW	2KW	2KW	2.7KW	2.7KW
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Gross Weight (kg)	48	52	58	115	130
Electrical Requirements					
Catalogue No.					

Laboratory Autoclave AB-500 Series

