

HäTmed AUTOCLAVE

HäTmed



“Create an infection-free healthcare environment for everyone” is Heatmed’s vision. Investing in infection control technology, never compromising on quality, always pursuing innovation, are principles upon which Heatmed conceives and grows. Since founded, we developed water cooling series autoclaves and significantly improved the performance of air cooling series autoclaves, offering high performance and reliable devices to healthcare providers. Today, we present our revolutionary Atom series autoclave (featured fastest sterilization ever). At the same time, our product lines are expanded and now we are offering 5L super fast autoclave to 55L extra large capacity autoclave to meet various clinical requirements.



Fast Autoclave —The New Generation Autoclave

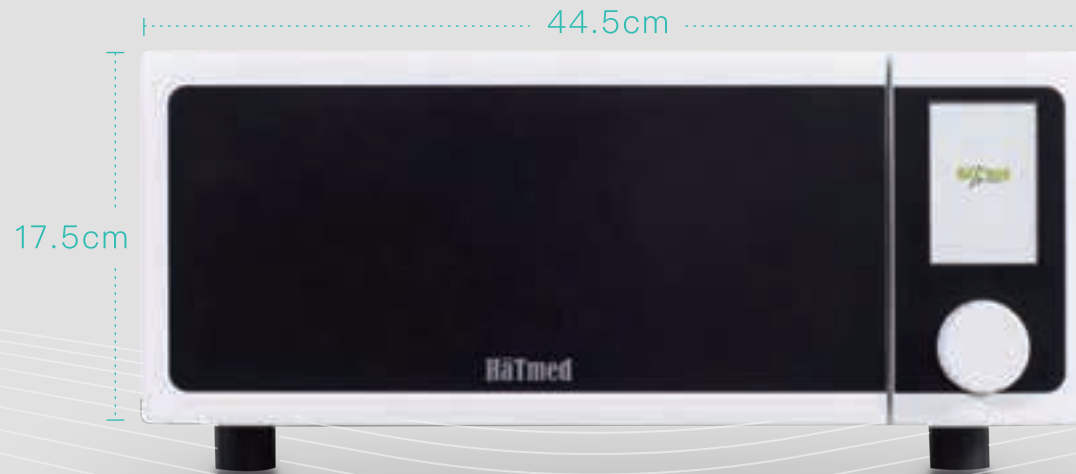
The New Generation Fast B-class Autoclave

A10B/A50B

Atom series autoclave, is a new generation of fast B class autoclaves that come with “Pre-vacuum air removal” and “Vacuum drying”. It meets EU class B standard and is the right choice for hollow instruments, implant and other high infection risk instruments. This revolutionary B class autoclave expands the applicable areas of fast autoclave to more instrument types and more clinical applications. Having dedicated ourselves in the designing and manufacturing of the Atom series for 3 years, Haetmed team aims to open a new era of fast autoclave. “Fast + Pre-vacuum + Drying” are achieved at the same time in the Atom series, meeting fast sterilization needs of various medical institutions, and set a new standard for infection control solution.

Fast Autoclave

A10B





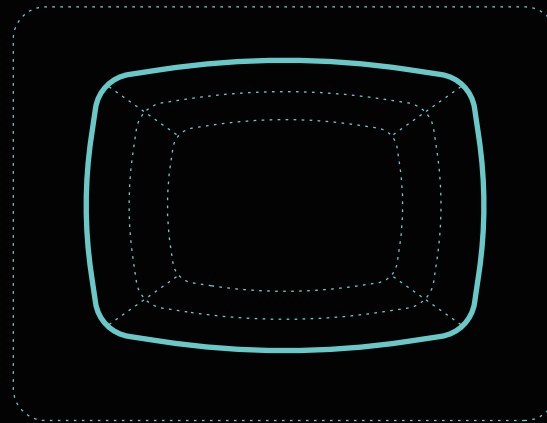
Fast Autoclave

A10B/A50B

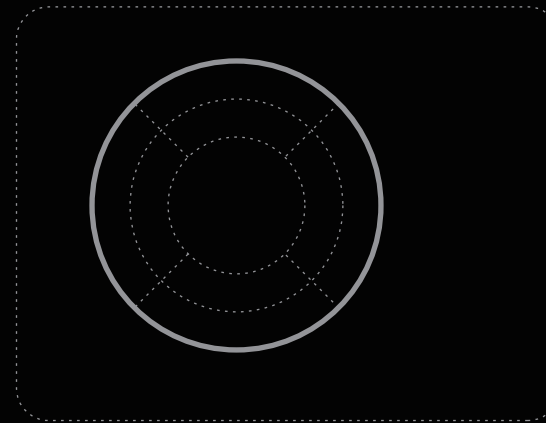
Innovative Rectangle Shaped Chamber

— Small Size, Big Capacity

Small size with big capacity, the rectangle shaped chamber offers extra space for trays at a fraction of the size of a round chamber, especially suitable for implant instruments and tool boxes which need fast turnover.



Rectangle Chamber



Round Chamber

57% Extra Capacity

The innovative rectangle shaped chamber makes full use of its space while its conventional round shaped counterpart wastes 30% of chamber space. The 10L Atom series autoclave has almost the same effective sterilization capacity as conventional 18L round chamber autoclave. Capacity of rectangle shaped chamber equals to 1.57 times of conventional round chamber with the same cross section.

Fast Autoclave, Offer More Than Speed



Fast

As expected, Atom series autoclaves are fast beyond imagination. All sterilization programs are within 10-15 minutes and include “Pre-vacuum air removal” and “Vacuum Drying”, enabling quick turnover of instruments, especially for handpieces, scaler handles, implant handpieces and implant tools.



Not only Fast
but also

Pre-Vacuum

Three times pre-vacuuming quickly removes the cold air inside hollow instruments such as handpieces and scaler, which results in steam fully penetration into instruments. This not only ensures the sterilization quality throughout the instruments and prevents harm to the instruments by uneven heat.



Not only Pre-Vacuum
but also

Drier

Vacuum drying avoids high temperature and oxic environment that harms instruments as by conventional hot air drying, and ensures perfect drying for wrapped instruments.

Quality First, Always



EU B Class Standard

Atom series autoclaves meet EU B class standard, suitable for wrapped or unwrapped instruments, hollow A and hollow B types of instruments, implant instruments. It is designed for medical institutions such as dental clinic, ophthalmology clinic and operation rooms, where autoclaves are expected to meet high sterilization standards and fast cycle time.

Must Have List for Sterilization Room

—Atom Series + Conventional Autoclave



Fast and Big Capacity

Modern sterilization room needs both fast cycle time and big capacity. Atom series enable fast speed while conventional autoclave has bigger capacity. The combination of "Atom series+conventional autoclave" is perfect for meeting sterilization needs of modern clinics and is "Must have list" for modern sterilization rooms.



Backup to Each Other

Atom series is a reliable backup for unexpected sterilization need. The 10L Atom series autoclave has almost the same effective sterilization capacity as conventional 18L round chamber autoclave. It can take over all of the sterilization work in case of emergency such as malfunction of existing conventional sterilizer and guarantee normal operation of the medical institution.

Simply, Just Simple

- 1 Innovative Jog-dial Knob**

Novel design, dial & click in one. Dial to choose, click to confirm. Simple and easy even operating with gloves on.
- 2 Automatic Door**

Atom series feature innovative automatic doors which open with just one touch, providing safe and easy experience.
- 3 Colored LCD Display**

Colored LCD screen displays real time information of sterilization cycle including temperature, pressure in the chamber and elapsed time.

Fast Autoclave

A50B





Imported Parts

- ✓ **German Vacuum Pump**
German vacuum pump provides superior performance – vacuum level as low as -0.92bar, and ensures fast speed, sufficient drying and sterilization quality.

- ✓ **Stainless Steel IPC Steam Generator**
100% made of stainless steel and highly resistant to corrosion, it is designed for generating pure steam and protect the instruments. Novel structure ensures both efficiency and steam quality.

- ✓ **Italian Industrial Solenoid Valve**
More reliable and durable compared to regular consumer level products.

- ✓ **German Temperature Sensor**

- ✓ **American Pressure Sensor**

- ✓ **German Liquid Level Sensor**

- ✓ **Swiss Flowmeter**

Atom Series Parameters

Model	A10B	A50B
Vol	5L	10L
Chamber Dimensions	210mm(W)*96mm(H)*327mm(D)	240mm(W)*144mm(H)*336mm(D)
Device Dimensions	445mm(W)*175mm(H)*625mm(D)	485mm(W)*330mm(H)*625mm(D)
Weight	37KG	54.2KG
Load	2.5kg Mental Instruments or 0.75kg Textile	5kg Mental Instruments or 1.5kg Textile
Power	2000w, 220V/50Hz or 110V/60Hz	2800w, 220V/50Hz or 110V/60Hz
Tray Dimensions	300mm*190mm*23mm(*2)	300mm*200mm*23mm(*3)

Water Cooling Series

Continuous High Quality High Efficiency Sterilization

Q52B/Q72B

HäTmed is one of the few manufacturers that offer water cooling autoclaves in the world. Equipped with German water O-ring vacuum pump that is capable of reaching vacuum level of -0.96bar and features superior suction capacity and fast heat dissipation, water cooling series is the choice for 24*7 heavy-duty sterilization.





Water Cooling Series

Q52B/Q72B

Water Cooling Series

Q52B/Q72B



Fast Sterilization

Faster than air cooling series, ensures quick turnover of instruments and “one patient, one sterilization”.



7*24 hours

continuous sterilization

Advance design guarantees non-stop sterilization. No need to wait between cycles. All parts are optimized for 24*7 operation.



Protection

of delicate instruments

Precise temperature and pressure control in all over chamber ensures that instruments are heated evenly inside, thus prolongs the life of handpieces, ultrasonic scalers and other delicate instruments and brings economic value for owners.



One-touch Screen

Colored touch screen displays real time information of sterilization cycle including temperature, pressure in the chamber and elapsed time.



Easy maintenance

Distilled water is fed from external water reservoirs automatically. After each cycle, waste water is drained from the chamber and pipes. No extra care is needed for cleaning water reservoirs or waste water draining.

Water Cooling Series Parameters

Features

- 3-time Pre-vacuum air removal
- Extra dryness
- External water circulation
- Water Quality Monitor
- Pre-heat feature
- External water reservoirs
- Power outage Protection
- Color LCD touch screen
- Safety Lock
- Pre-Set Timer
- Automatic upgrade with USB Driver
- Smart load monitor
- 14 programs
- Build in Large Memory
- Embedded Control System
- Independent stainless steel steam generator

Model	Q52B	Q72B
Vol	18L	23L
Screen	Multi-Color LCD4.3" Touch Screen	
Door Lock	Electrical Safety Door	
Device Dimensions	460mm(W)*450mm(H)*560mm(D)	460mm(W)*450mm(H)*680mm(D)
Chamber Dimensions	∅ 253mm*360mm	∅ 253mm*460mm
Weight	54kg	57KG
Power	220V/50HZ/2500W	
Data Interface	USB/RS232	
Printer	External Printer (Optional)	
Tray	3 Layers Tray (5 Layer Tray is also available)	
Vacuum level	-0.96bar	
Residual Humidity	< 0.1%	

Air Cooling Series, Best Value Choice

Q50B/Q70B

Q51B/Q71B

Equipped with German vacuum pump, which can achieve vacuum level as low as -0.92bar, Hätmed air cooling autoclaves feature thorough sterilization and can pass challenging Helix Test. Precise temperature and pressure control all over the chamber protects delicate instruments; High standard manufacturing process, robust and durable; Optimal feature sets meet various sterilization need and offer best value choice to dental clinics.

Q50B/Q70B



Q51B/Q71B





Air Cooling Series

Q50B/Q70B

Q51B/Q71B

Air Cooling Series

Q50B/Q70B

Q51B/Q71B



Imported Parts and
**powerful
performance**

Air cooling series autoclaves are equipped with chosen parts from all over the world, vacuum pump and temperature Sensor from German, solenoid valve from Italia and more. These parts ensure the best performance and fast turnover of instruments, meeting the need of a busy clinic.



Extreme Dryness

Air cooling series autoclaves generate saturated steam which ensures maximum steam penetration throughout the entire load and achieve optimal drying result even for cotton textile load.



High Sterility Assurance Level

Powered by German vacuum pump capable for achieving vacuum level of -0.92bar, Haetmed air cooling autoclaves extract air from hollow or porous loads and fill them with saturated steam, thus ensure effective sterilization and avoid risk of infection.



Patented Steam Generator

Patented design features saturated steam generation in very short time. 100% stainless steel guarantees reliability by avoiding rust and corrosion that causes clog and malfunction.



(Q51B/Q71B only)
**Stainless Steel
Outer Case**

The one-piece Stainless Steel outer case is free from corrosion and bacteria, easy to clean and maintain even after long time use.

Air Cooling Series Parameters

Features

- 3-time pre-vacuum
- Extra Dryness
- Independent Stainless Steel Steam Generator
- Embedded system
- Smart load monitor system
- Safety Lock
- Intelligent Error detection
- Emergency stop
- Power outage protection
- 11 programs
- LCD display
- Automatic upgrade with USB driver

Item No	Q50B	Q51B	Q70B	Q71B
Vol	18L		23L	
Screen	LCD liquid crystal display			
Door Lock	Electrical Safety Door			
Device Dimensions	450mm(W)*470mm(H)*560mm(D)		450mm(W)*470mm(H)*680mm(D)	
Chamber Dimensions	φ 253mm*360mm		φ 253mm*460mm	
Weight	60KG		65KG	
Power	220V/50HZ/2500W			
Data Interface	USB/RS232			
Printer	Build-in/External Printer (Optional)			
Tray	3 Layers Tray (5 Layer Tray is available)			

Large Capacity Water Cooling Autoclaves

Q82B/Q92B

Enlarging the sterilization capacity on top of the conventional autoclaves, 46L Autoclave can accommodate 16.7KG metal instruments, 330% of the capacity of 18L autoclave, perfect for multi-doctor practices, busy clinics, surgery centers and small hospitals.





Large Capacity Series

Q82B/Q92B

Large Capacity Water Cooling Autoclaves

Q82B/Q92B



Larger, Faster

Equipped with leading water cooling technology, large capacity autoclaves maintain fast speed while enlarging the capacity.



High Sterility Assurance Level

Powered by German water O-ring vacuum pump capable of reaching vacuum level as low as -0.96bar and passing the challenging Helix test, large capacity series autoclaves operate faster and guarantee high sterility assurance level even with large load quantities.



Extreme Dryness with Full Load

New generation of heating technology not only ensures the level of dryness for larger capacity, but also significantly shorten the time for dryness. Satisfied dryness is guaranteed even with full load of wrapped instruments or cotton textiles if loaded properly.



Safe and Easy to Operate

Automatic Door

Large capacity series feature innovative automatic doors which open with just one touch, providing safe and easy experience. properly.

Extra-Large Colored LCD Touch Screen

Colored LCD touch screen displays real time information of sterilization cycle including temperature, pressure in the chamber and elapsed time.



Multi Protections, Safer and More Reliable

- ✓ **Mechanical temperature switch**
Automatically power off when over temperature.
- ✓ **Intelligent Temperature Control**
Steam Generator stops heating up when over temperature ensuring safety as well as steam quality.
- ✓ **Safety Valves**
Dual safety valves for both steam generator and the sterilization chamber.
- ✓ **Mechanical Emergency Door Switch**
Emergency door switch at rear side, simple operation to open the door when necessary.

Imported Parts

- ✓ **German Water O-Ring Vacuum Pump**
German water O-ring pump provides superior performance – vacuum level as low as -0.96bar, and ensures fast speed, sterilization quality and 24*7 operation.
- ✓ **Stainless Steel IPC Steam Generator**
100% made of stainless steel and highly resistant to corrosion, it is designed for generating pure steam and protect the instruments. Novel structure ensures both efficiency and steam quality.
- ✓ **Italian Industrial Solenoid Valve**
More reliable and durable compared to regular consumer level products.
- ✓ **German Temperature Sensor**
- ✓ **American Pressure Sensor**
- ✓ **German Liquid Level Sensor**
- ✓ **Swiss Flowmeter**

Large Capacity Series Technical Parameters

Type	Q82B	Q92B
Vol	46L	55L
Screen	Colored LCD 5.6 inch Touch Screen	
Door Lock	Electrical Safety Lock	
Device Dimensions	583mm(W)*480mm(H)*920mm(D)	583mm(W)*480mm(H)*1020mm(D)
Chamber Dimensions	∅ 319mm*621mm	∅ 319mm*711mm
Weight	112.2KG	119.8 KG
Power	220V/50HZ/4600W	
Printer	External Printer(Optional)	
Vacuum level	-0.96bar	
Residual humidity	< 0.1%	

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