



2017  
Product  
Brochures

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Focus On Autoclave

PRODUCT

# Introduce



The ICANCLAVE series D steam sterilizers are classified as moist heat sterilizers. As moist heat under very high pressure is injected into the chamber to create a environment that allows the sterilization of the material inside the chamber. Steam Sterilizers are by far the most reliable method known for the destruction of all forms of bacteria, viruses, fungi and spores. That is why ICANCLAVE provides you the most professional, most efficient and safest sterilization method available on the market.

ICANCLAVE D Series is a Class B autoclave in complete compliance with European Standard EN13060; this series includes 8L, 12L, 18L, 23L & 29L. They are appropriate for the sterilization of all wrapped or non-wrapped, solid, hollow load products type A and porous products as represented by the test loads in this standard. ICANCLAVE has been widely used in dentistry, medical, beauty, laboratory, veterinary, and the tattoo and hair-dressing industry.

## ICANCLAVE D STERILIZERS

4 major features



### Efficiency

ICANCLAVE uses an intelligent system that saves time and energy by providing a fast and complete sterilization cycle with full drying and a convenient operation.



### Safety

ICANCLAVE is equipped with a new multi protection system that utilizes mechanical and electronic safety mechanisms for pressure, temperature and electrical current protection. ICANCLAVE also uses a large number of high quality imported parts that have a proven record of reliability and ensures the users safety.

ICANCLAVE kills 100% of the microbes including spores, which ensure patients safety.

ICANCLAVE's advanced technology enables extremely strict controls of temperature fluctuations to 0.1celcibus in the sterilization phase, which can effectively protect sterilized instruments and extend their lifetimes.



### Quietness

ICANCLAVE adopts highest technology that is well above the autoclave industry standards by equipping all units with an original Japanese vacuum pump that is extremely quiet; therefore, ICANCLAVE has the ability maintain a quiet work environment for the users.

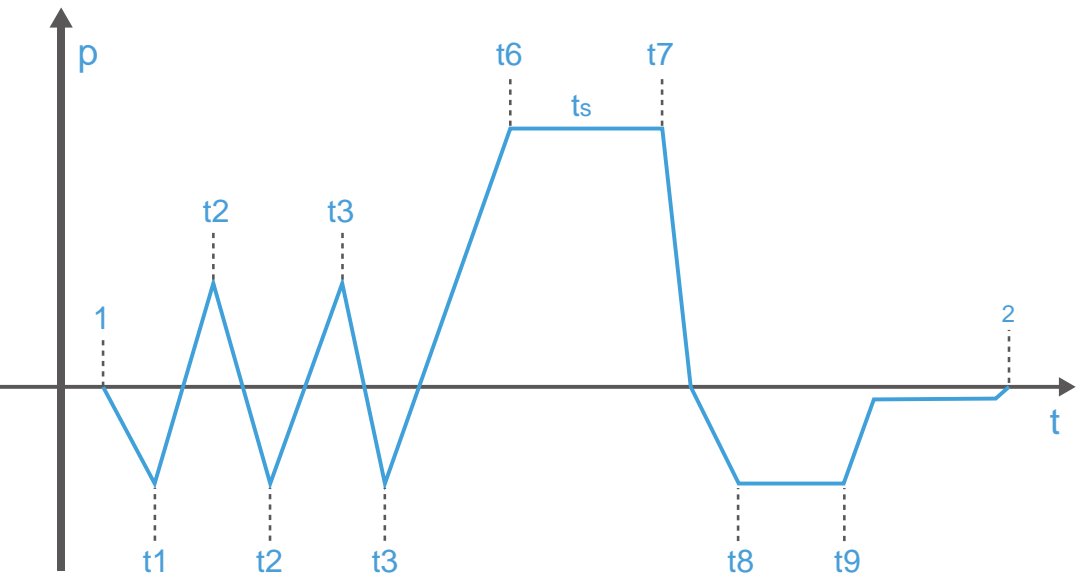


### Carefulness

Changes to the exterior detailing of the ICANCLAVE D series gives it a sleeker profile, which increases the overall appearance and aesthetic of your office while bringing effective and efficient sterilization to your office. ICANCLAVE focuses on the "ease of operation" and the "simplicity of maintenance" in designing the perfect sterilizer.

## Class B Sterilizer

process curve



# Introduce

## SPECIFICATION

The micro switch for the door locking system ensures that the cycle cannot be started if door is not closed to the appropriate position. This is the second safety protection on door.

The electronic door locker, locks the door pivot while sterilization cycle runs. This consists of third safety protection on door.

Stainless steel chamber made by drawing die sets with triple surface treatments.

The built-in frame dust filter ensures constant performance levels, reduced maintenance costs and longer service intervals.

It uses a safer hook-type door lock design; that consists of a first safety protection on the door.

The beautiful design of the aluminum trays facilitates better heat conduction and increases the sterilization and drying efficiency.

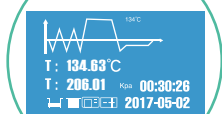
Unique wicket design, skillfully hide printer, USB interface, water drainages and power switch. The ICANCLAVE looks compact and noble and when the wicket is off. It is convenient to use while they need to be operated.

Optimized tank concept, simple opening method, convenient water filling and easy cleaning.

The LCD display uses a dynamic graphical appearance that can present the whole process of sterilization, including all stages of time, temperature, pressure and so on. There are 15 different kinds of languages to meet the needs of users in various countries.

The display shows water shortage, locking door alarm, printer not connected alarm.

A specific error code is displayed to facilitate Trouble shooting.



All operations are controlled with only 4 buttons, with 3 buttons that control the program selection and 1 to start of the sterilization cycle makes the operation of the series D the easiest and most intelligent interface available on the market.

Optional built-in printer, sterilization report can be automatically printed when each cycle end.

The device is equipped with a standard USB 2.0 interface that when inserted with a USB drive will automatically record the data of each sterilization cycle to a ".txt" File.

Furthermore, sterilization reports for the last 20 cycles will be recorded and the user can output them at any time.

Pulling type drain connection, user can start and stop water drainage task once pulling or pushing it lightly. Operation is incredibly simple.





# Introduce

## SPECIFICATION



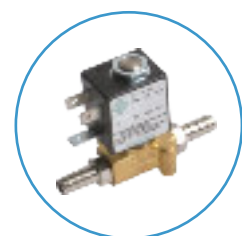
### Vacuum Pump

Equipped with an original Japanese imported vacuum pump that is extremely quiet and high quality. It ensures high vacuum efficiency and quiet environment at the same time.



### Steam Generator

With many years' experience that we have accumulated and technology creation, ICANCLAVE provides a new designed steam generator which has advantages of faster and more efficient sterilization, energy saving and longer lifetime.



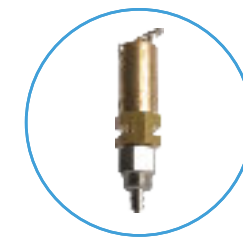
### Solenoid Valve

High quality solenoid valve imported from Italy, better performance and reliable, which prevents any defects of leakage like other brands of autoclaves and extends the required maintenance period.



### Safety Valve

Pressure relief valve with CE approved, ensures pressure can be mechanically released in a timely manner once overpressure.



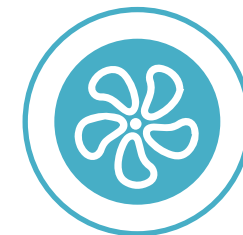
### Steam release ports

A large caliber steam release ports on the back side of the device, solves the problem of water droplets freezing and releasing steam unnecessarily.



### Air vent of the solenoid valve

ICANCLAVE has set the solenoid valves in a row, convenient maintenance, the air vent design ensures heat dissipation in time.



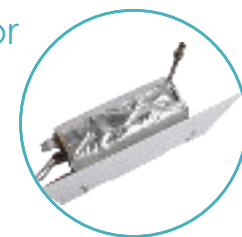
### Air vent of cooling fan

Air vent of cooling fan, increases the cooling efficiency.



### Steam Generator

Removing the independent steam generator module is designed to be completely easily by removing four screws and the steam generator can be removed easily. It can avoid opening the machine, and it is easy for maintenance.



### Circuit Breaker

Branded circuit breaker automatically trips when the current is not stable, which prevents the damage of device.

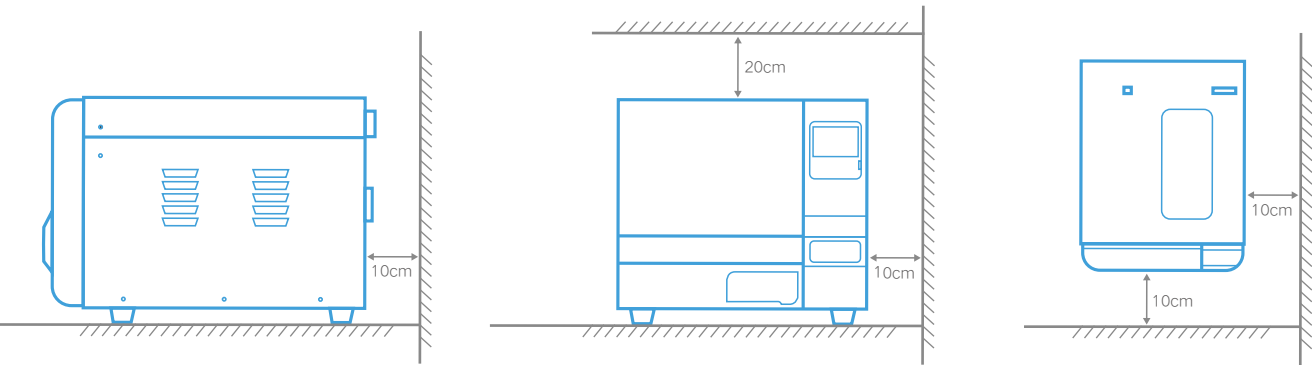


### Bacteria Filter

Imported bacteria filter, increases filtration efficiency and extend maintenance period.



Installation Dimensions



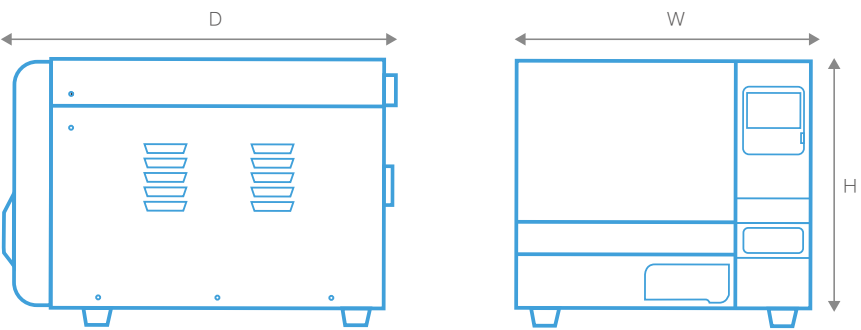
Technical Parameters

| Order Code | Model Number | Chamber Dimensions | Type    | Power          | Weight |
|------------|--------------|--------------------|---------|----------------|--------|
| D208       | STE-8-D      | Φ170x320mm         | Class B | 2000W ( 220V ) | 37kgs  |
| D212       | STE-12-D     | Φ200x360mm         | Class B | 2000W ( 220V ) | 40kgs  |
| D218       | STE-18-D     | Φ247x350mm         | Class B | 2000W ( 220V ) | 47kgs  |
| D223       | STE-23-D     | Φ247x450mm         | Class B | 2200W ( 220V ) | 53kgs  |

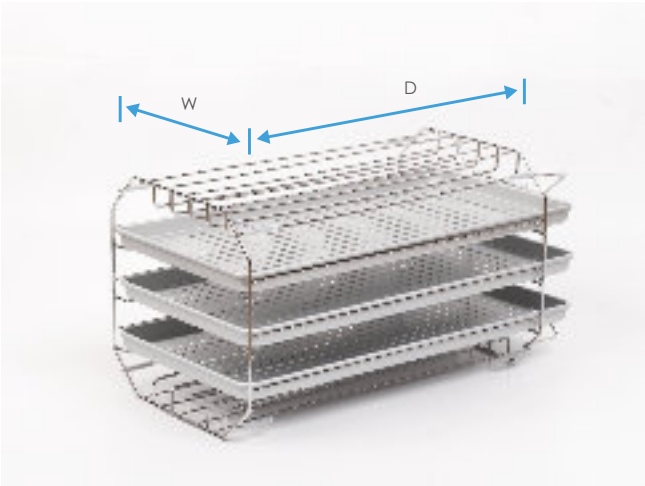
Defult Program

| Program      | Temperature | Pressure | Holding Time(min) | Total Time(min)         |
|--------------|-------------|----------|-------------------|-------------------------|
| Solid 134℃   | 134℃        | 210Kpa   | 4                 | 17-22 19-24 21-33 22-35 |
| Solid 121℃   | 121℃        | 110Kpa   | 20                | 25-35 25-35 30-40 31-40 |
| Wrapped 134℃ | 134℃        | 210Kpa   | 4                 | 22-40 25-40 25-45 30-50 |
| Wrapped 121℃ | 121℃        | 110Kpa   | 20                | 38-50 42-50 45-60 48-60 |
| Textile 134℃ | 134℃        | 210Kpa   | 8                 | 25-45 30-45 31-50 36-55 |
| Textile 121℃ | 121℃        | 110Kpa   | 30                | 50-60 52-60 53-70 44-70 |
| Prion 134℃   | 134℃        | 210Kpa   | 18                | 35-55 40-55 40-60 46-65 |
| Liquid 121℃  | 121℃        | 110Kpa   | 30                | 38-50 40-50 43-55 45-60 |
| B&D Test     | 134℃        | 210Kpa   | 3.5               | 10-20 11-23 13-25 16-30 |
| HELIX Test   | 134℃        | 210Kpa   | 3.5               | 10-20 11-23 13-25 16-30 |
| Vacuum Test  | /           | /        | /                 | 17-20 18-21 19-22 20-25 |

Overall Dimensions



| Order Code | Width | Height | Deep  |
|------------|-------|--------|-------|
| D208       | 420mm | 370mm  | 525mm |
| D212       | 420mm | 370mm  | 595mm |
| D218       | 490mm | 455mm  | 600mm |
| D223       | 490mm | 455mm  | 690mm |



Trays

| Order Code | Quantity                | Material        | Dimensions (W)x(D) |
|------------|-------------------------|-----------------|--------------------|
| D208       | Standard 2pcs, Max 3pcs | Aluminum        | 130x265mm          |
| D212       | Standard 2pcs, Max 3pcs | Stainless Steel | 156x295mm          |
| D218       | Standard 3pcs, Max 5pcs | Aluminum        | 192x285mm          |
| D223       | Standard 3pcs, Max 5pcs | Aluminum        | 192x380mm          |

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### ICANCLAVE FLASH STERILIZER--D208Q

It is the "Class B" autoclave has same shape and size as ICANCLAVE D208, but with **QUICK** cycle included. The QUICK cycle take approx. completed time 10 to 14 minutes for unwrapped instruments according to different weight of loading. It is a solution for emergency sterilization using, also an idea for ophthalmic clinic.

#### Default Program

| Program       | Temperature | Pressure | Holding Time(min) | Total Time(min) |
|---------------|-------------|----------|-------------------|-----------------|
| Quick 134°C   | 134°C       | 210Kpa   | 3.5               | 10-14           |
| Wrapped 134°C | 134°C       | 210Kpa   | 4                 | 20-40           |
| Wrapped 121°C | 121°C       | 110Kpa   | 20                | 38-50           |
| Prion 134°C   | 134°C       | 210Kpa   | 18                | 35-55           |
| Dry           | /           | /        | /                 | 1-20            |
| B&D Test      | 134°C       | 210Kpa   | 3.5               | 10-20           |
| HELIX Test    | 134°C       | 210Kpa   | 3.5               | 10-20           |
| Vacuum Test   | /           | /        | /                 | 17-20           |

### Steam Sterilizer for Extra-long Instrument--D229

It is a sterilizer special for extra-long instruments, sterilization chamber depth can reach **620mm**, effectively solve the problem such as laparoscopy and other long instruments which can not be sterilized in the ordinary benchtop sterilizers.

| Order Code | Model Number | Chamber Dimensions | OverallDimension | Type    | Power       | Weight |
|------------|--------------|--------------------|------------------|---------|-------------|--------|
| D229       | STE-29-D     | Φ247x620mm         | 490x455x860mm    | Class B | 2200W(220V) | 65kgs  |



#### Tray Dimensions

Tray #1 : 185x570mm  
Tray #2 : 213x570mm  
Tray #3 : 227x570mm

