



Water Distiller

Use mineral-free water to protect your sterilizer and instruments at a fraction of the cost of bottled distilled water. It passes all safety tests, complying with all electromagnetic compatibility standard (2014/30/EU) and low voltage standard (2014/35/EU) requirements.



Purple Seal

Ensures that sterilized instruments remain sealed after sterilization and maintain perfect sterility during their shelf-life.



Manufacturer & After service
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Little Blue Shield

According to the regulations in force, some products and/or features may have different availability and characteristics in different countries or areas. Please contact your local distributor. JOIDENT reserves the right to modify the products illustrated in the photos without prior notice. 2024/10





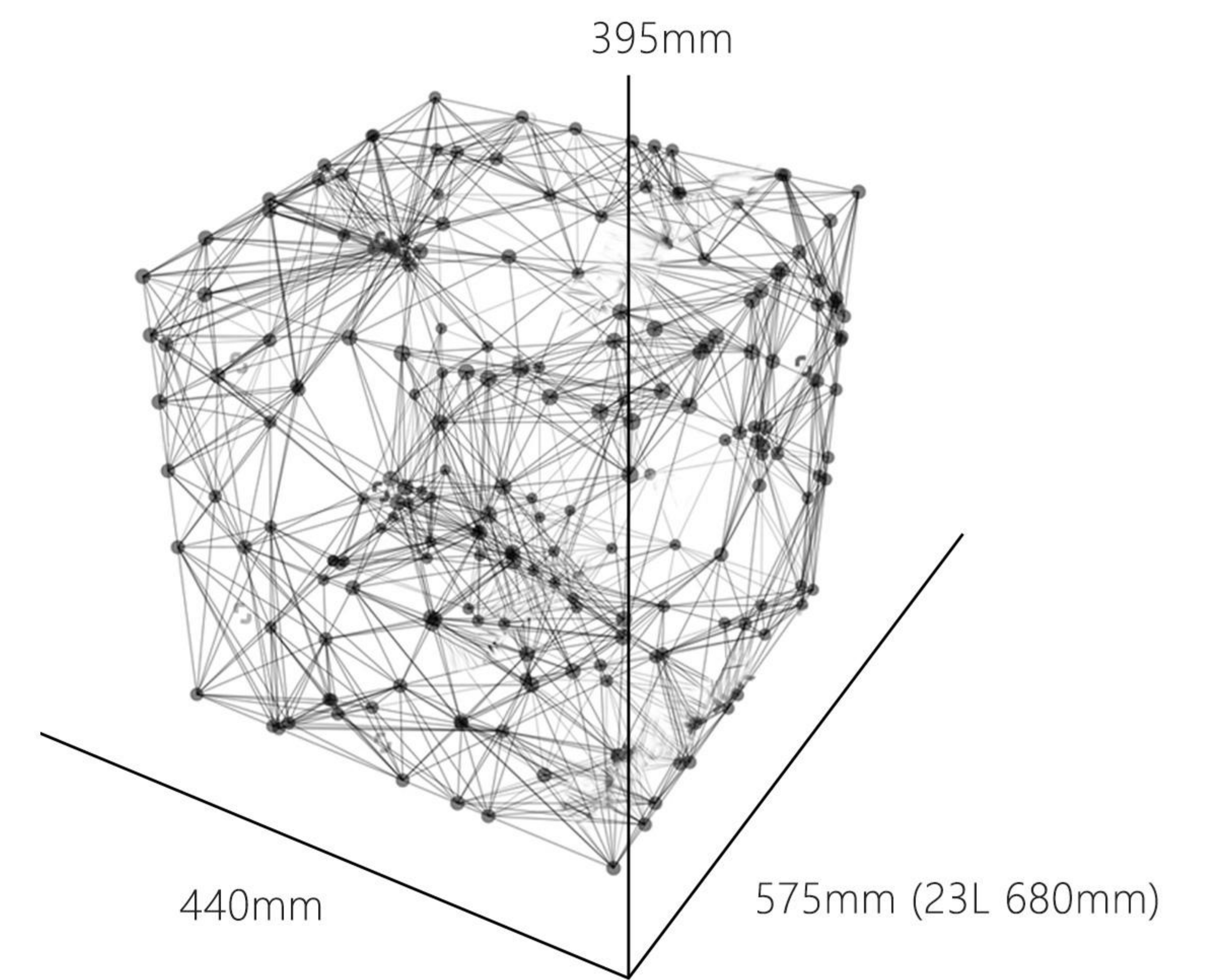
sterilizers and accessories that help dentists and their assistants to always ensure the highest levels of safety and hygiene in their practice, in full compliance with applicable international regulations. Assures to sterilise unwrapped solid tools and porous products, small porous items, pots and containers, single-wrapped or multiple-layer wrapped products.

NUMBER

Steam Sterilizer

80+ Countries User
24 months or 2000 cycles warranty
8+ Patent technology
5400+ days Aging test

Recorded in December 2023.



MODELING

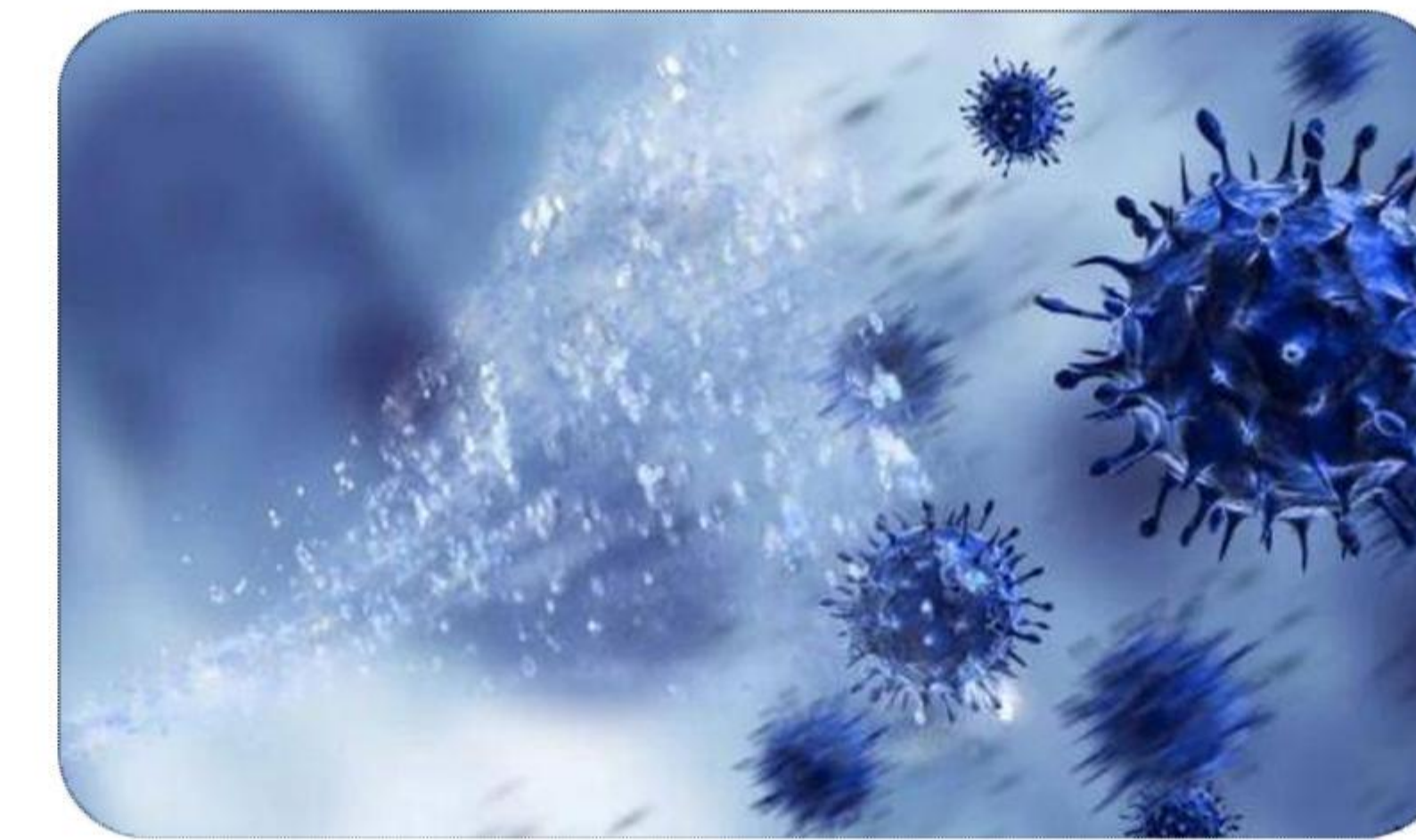
Combining the experience of modern art and minimalist shape design, it is seamless from inside to outside. Our design size can be used for any occasion, so that you can experience the charm of modern art.



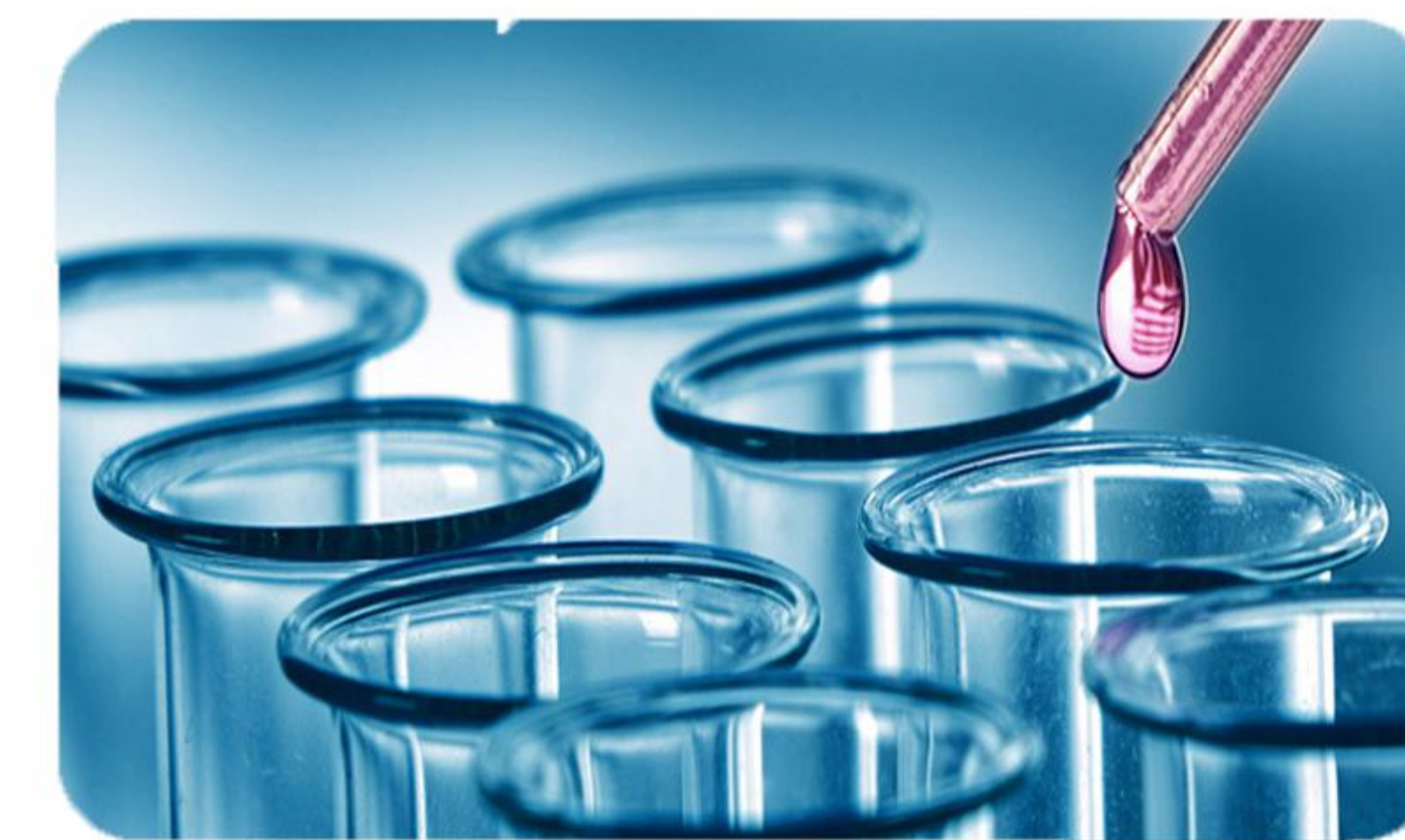
OPERATION

Only three clicks are needed to complete all sterilization operations.

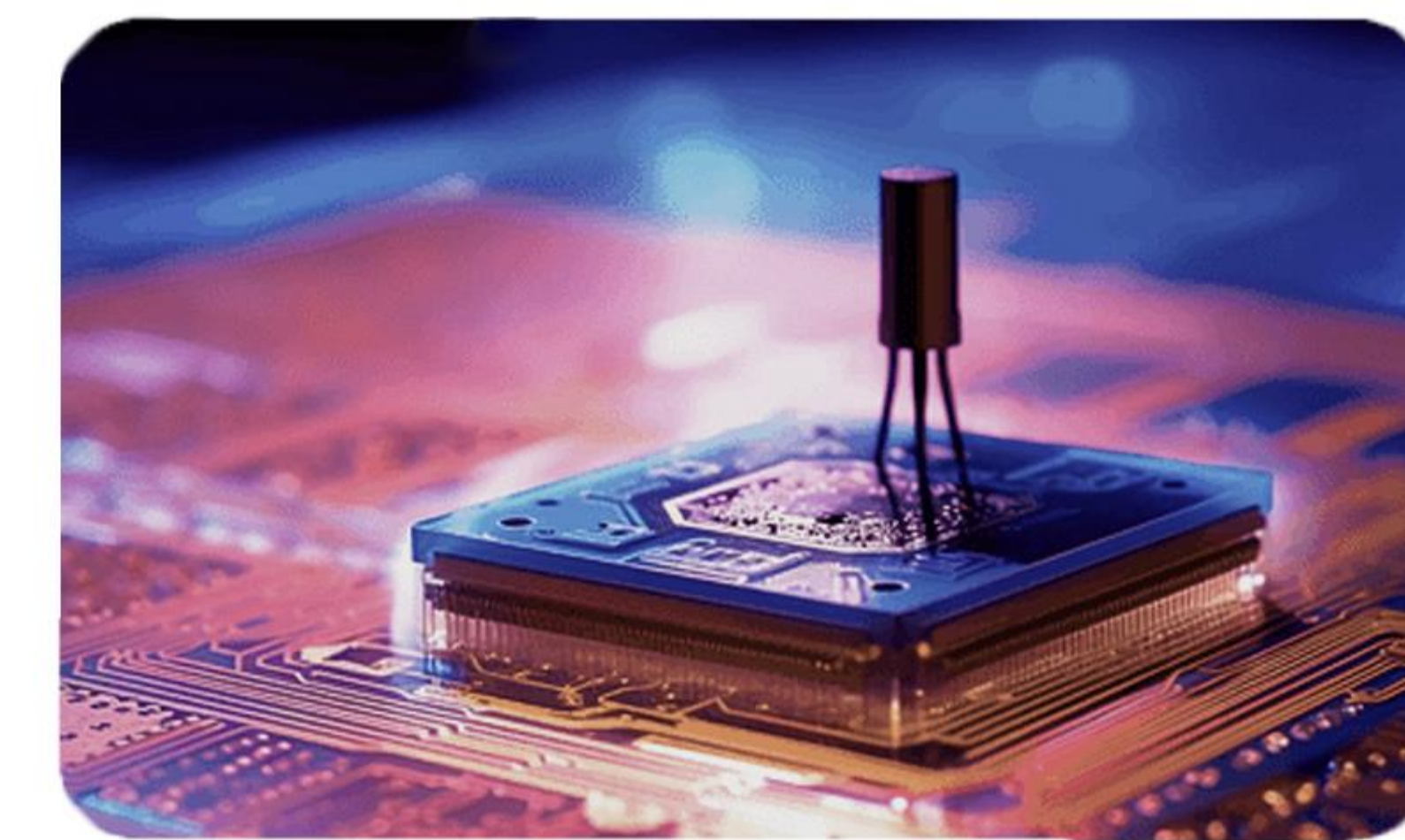
 Four Sterilization Procedure



 Two Sterilization Tests



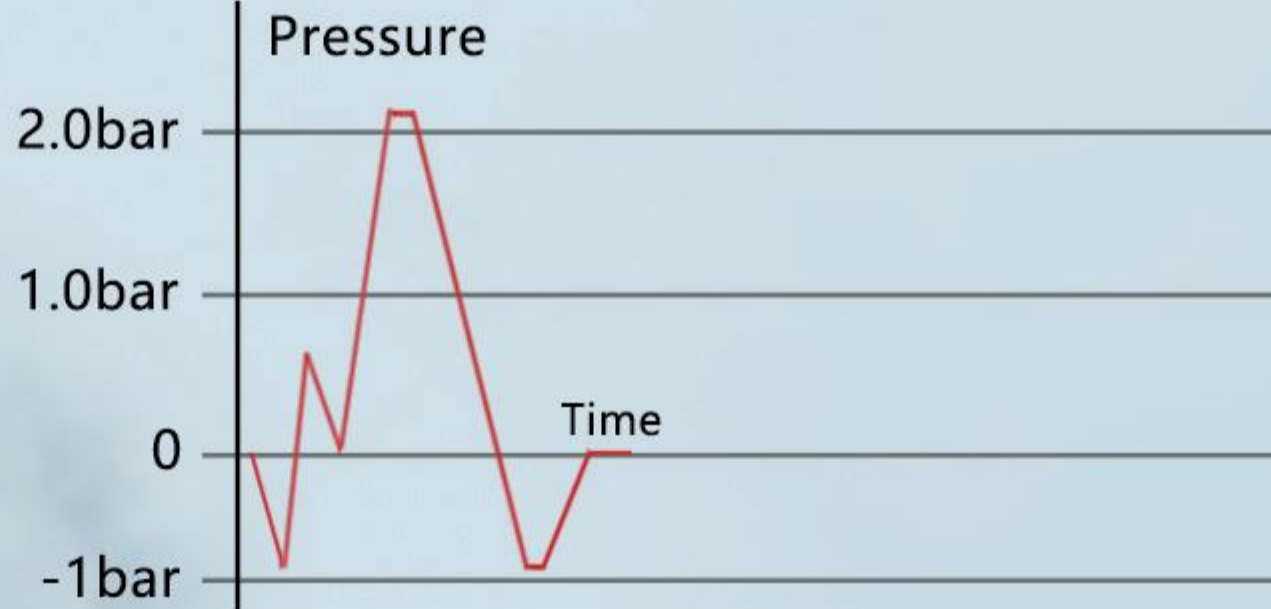
 Two Temperature Display



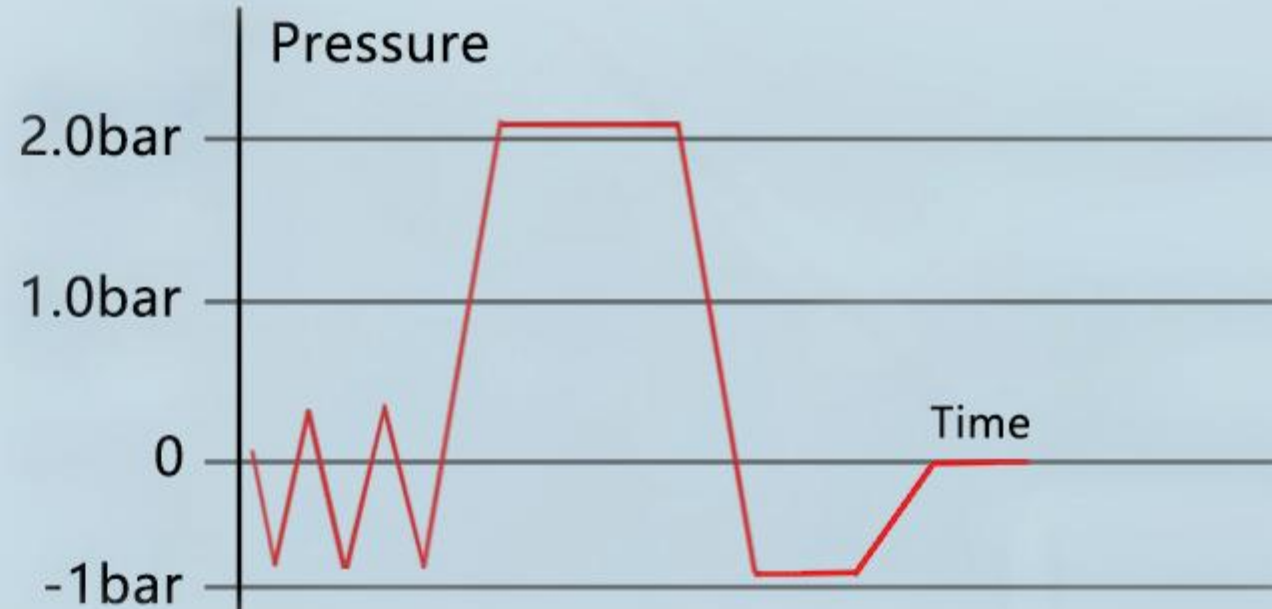
 Two Water Tank Display

COMPLETELY AUTOMATIC CYCLES

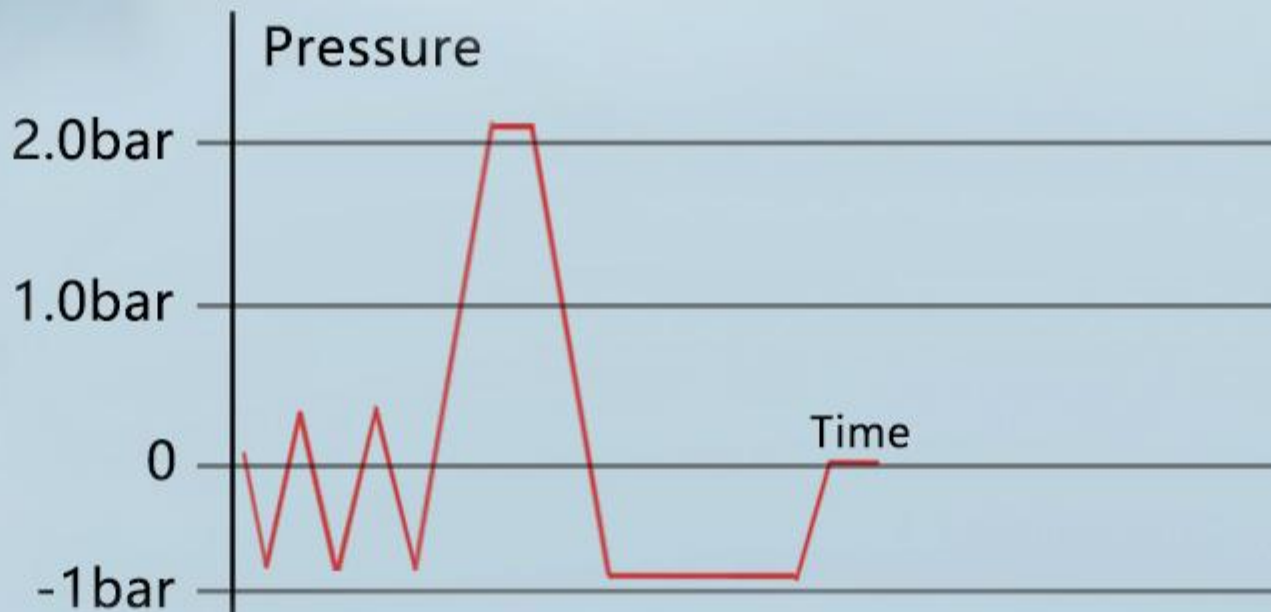
QUICK



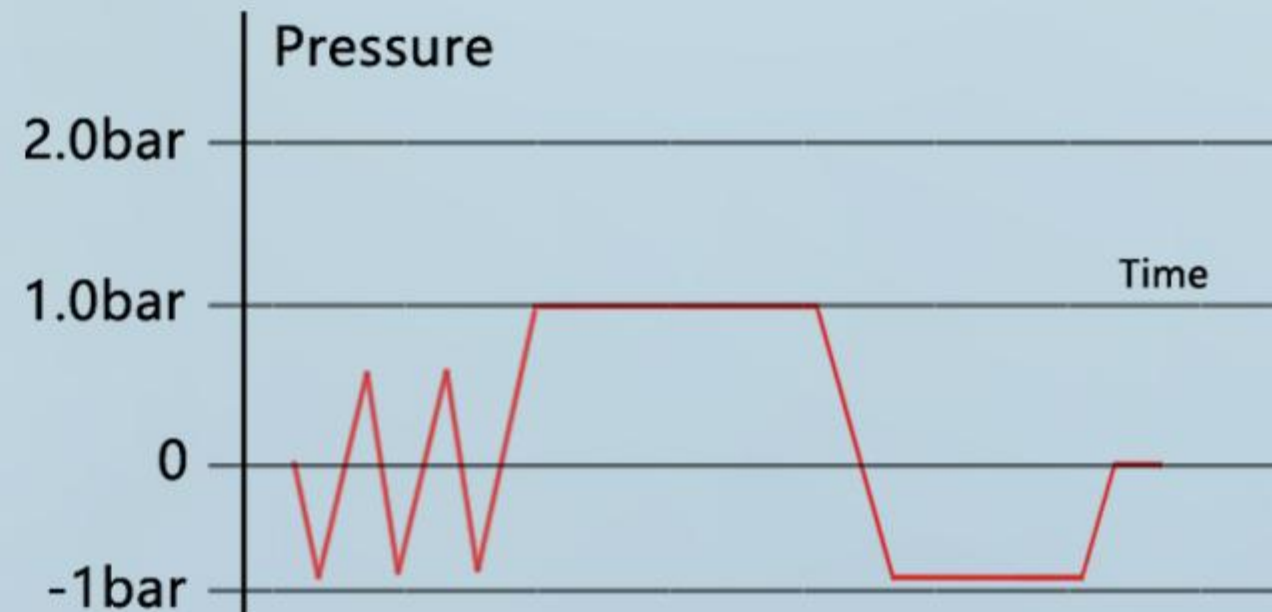
PRION



UNIVERSAL



SOFT



All Programs are completely automatic and all phases are managed by the advanced card equipped with a powerful microprocessor. Each phase (vacuum, preheating, exposure time, drying) is monitored, backed up and managed automatically. There is no human intervention in cycle operation.

The available sterilization cycles

| Program | Load type | Temp.(°C) | Cycle Type | Sterilization Time(min) | Dry time (min) |
|-----------|--|-----------|------------|-------------------------|----------------|
| QUICK | Simple solid instruments Simple hollowbodies | 134 | S | 4 | 9 |
| UNIVERSAL | Transmission instruments. Products with narrow lumen. Simple hollowbodies | 134 | B | 5 | 9 |
| PRION | Inactivation of prions(e.g.Creutzfeldt Jacob) Transmission instruments. Products with narrow lumen.Simple hollowbodies | 134 | B | 18 | 9 |
| SOFT | Thermo-unstable equipment(e.g.plastic,rubber,textiles). Products with narrow lumen.Simple hollowbodies | 121 | B | 20 | 18 |



B CLASS PERFORMANCE

*Designed to make your life easier save space and
guarantee higher efficiency*



Intelligent monitoring and diagnosis system

Ensures a constant control and monitoring of the whole operating system of the sterilizer, When faults occur, it will find the failure parts sectionally, and shows the fault message and simple solution direct^ which makes the after-sales message is more detailed and the maintenance is more convenient. This device behaves like a "real technician" with real-time diagnostic and intervention capability.



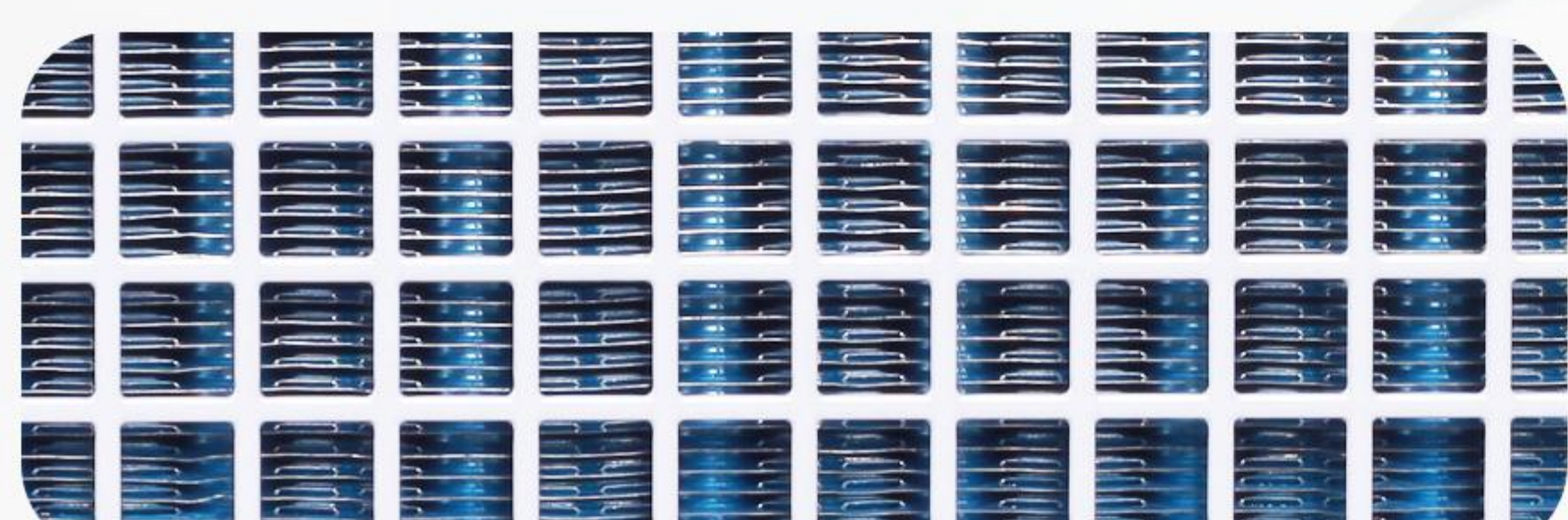
Simplified traceability

The data of every sterilization cycle are traceable, in compliance with the applicable standards in force, thanks to the built-in printer or SD card Log and External printer.



Pre-heating system

Preheating system with stand-by for minimum temperature maintenance and consequent time reduction of all the sterilisation cycles.



Cooling System

260x142mm Large cooling area, 73 layers heat radiating aluminum sheet, 18 radiation pipe, to ensure steam temperature can down to room temperature from 134C in seconds.



Draining quick coupling system

The quick coupling system for water filling and draining on the front section of the sterilizer simplifies and speeds up the relevant tasks. And that's not all: it is also possible to equip the sterilizer with an automatic filling system that withdraws water from an external tank.



E.Light handle

As well as adding visual appeal and helping to highlight the handle.





PLEASE USE DISTILLED WATER !

3.4 liters distilled water tank.

Water tank group completely accessible and inspection-able for a perfect and complete cleaning as per the maintenance program and safeguard of the device.



Transparent open water quality monitoring

Water filling function Manual(Standard) / Automatic (Option) sterilizers, to facilitate filling operation, are equipped with a pump-operated filling system featuring a level sensor that stops water filling if the tank is full



Built in water quality detection (Option)

Thanks to the built-in water quality detector, it can provide better water source for the sterilizer and extend the use time of the sterilizer.



Average water consumption:

Novo Pro16L LED:0.13L(Min)0.20L(Max)
Novo Pro18L LED:0.15L(Min)0.26L(Max)
Novo Pro23L LED:0.17L(Min) 0.31L(Max)



3 safety devices on the door

Newly designed door is easy to open and close with one hand. Safety locker with double safety locking mechanism. Cycle will not start if the door is open or not properly locked. Safety locking device prevents door from opening until chamber pressure reaches atmospheric pressure.



Mechanical Lock



Sensor switch



Pressure lock To prevent the door from opening while the cycle is running

USER TIPS

Carrier
The carrier can be loaded with up to 5 trays or 3 trays, rotated by 90°, 3 standard tray .



B1 steel wire tray.

23L : 410*205*200 mm
18L : 310*205*200 mm



B2 steel wire holder

23L : 380*190*20 mm
18L : 285*190*20 mm



C1 Instruments Optional management assistant.

E.g: mirrors, probes etc.
Size: 205 X 140 X 32mm
Weight: 455g



C2 Instruments Optional management assistant.

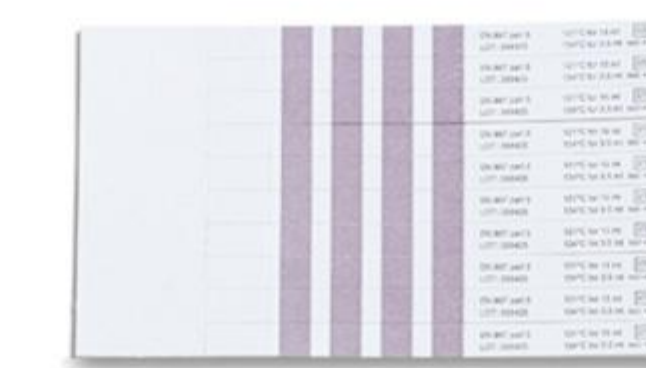
E.g: mirrors, probes etc.
Size: 180 X 125 X 20mm
Weight: 340g

USER TIPS:



Cleaning Tabs

A special effervescent tablet for cleaning the chamber. Placed inside the chamber, it removes limescale and dirt residue from the boiler upon activating the cycle.



Helix Test

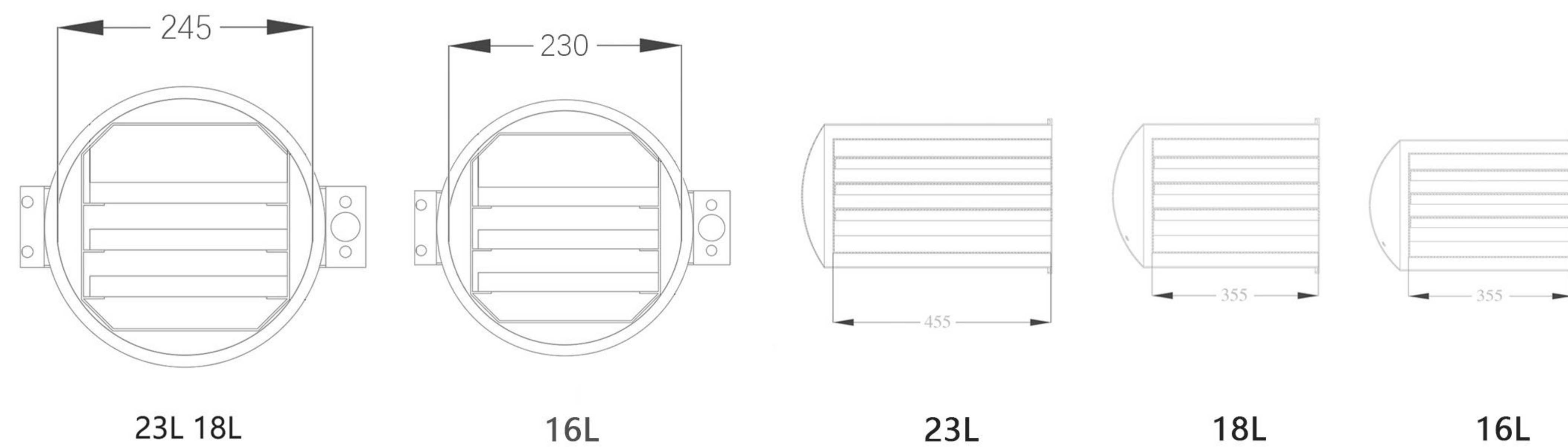
allows you to verify steam penetration into hollow instruments. The test consists of a silicone hose (measuring 1.5 m in length and 2 mm in diameter) and a multi-parameter indicator to be placed in its housing on one end of the hose. These indicators are easy to interpret and comply with the EN 867-5 and ISO 11140-1 standards.



Bowie & Dick

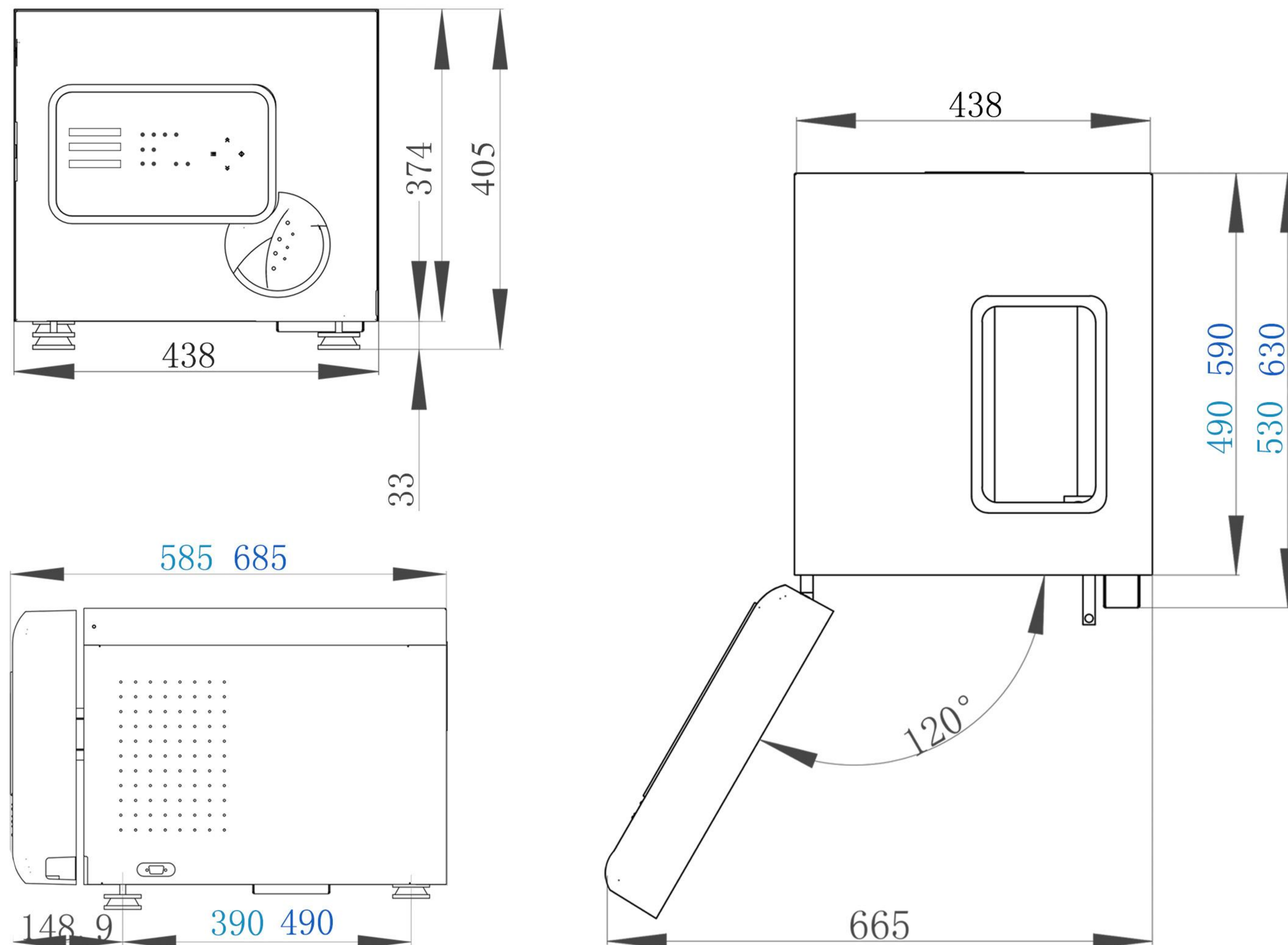
Test for Class B sterilizers to evaluate the penetration efficiency in porous loads.

USEFUL SPACE Unit:mm



OVERALL REQUIRED SPACE Unit:mm

Universal Unit mm
 23L Unit mm
 16L&18L Unit mm



Technical data

| | |
|--|---|
| Electrical supply: Nominal voltage: Fuse: Power: | ~200-240 Vac,50/60 Hz, single - phase ~230 Vac/50Hz 10 A 1700W |
| Sterilizer chamber Total volume: | φ230 mm x 355 mm (Novo Pro 16L LED) φ245 mm x 355 mm (Novo Pro 18L LED) φ245 mm x 445 mm (Novo Pro 23L LED) |
| Sterilizer: Max altitude: Max Working Pressure: Min Working Pressure: Min. atmospheric pressure: Max Temperature: | 3500m asl, More than 3500m can NOT be used. 2.5Bar(250kPa) -0.9Bar (-90kPa) 0.7 Bar(70kPa) <145°C |
| Overall size of equipment(L*W*H): Mass of equipment (kg): | 585mmx438mmx405mm(Novo Pro 16L LED) 585mmx438mmx405mm(Novo Pro 18L LED) 685mmx438mmx405mm(Novo Pro 23L LED) Approx.42 kg (Novo Pro 16L LED) Approx. 45 kg (Novo Pro 18L LED) Approx. 50 kg(Novo Pro 23L LED) |
| Storage and handling conditions Temperature limit: Humidity limitation: | From +5° C to +40° C(ideal range 16-26 °C) Max. 80 % at 31 °C, decreases in a linear fashion up to max. 50 % relative humidity at 40 °C |
| Pressure safety valve: Vacuum: Sound power levels: IPX: Pollution degree of the intended environment: Bacteriological filter: | 2.45 bar(245kPa) > -0.8bar (-80kPa) <70db 0 2 The filtration efficiency of particles above 0.3µm be no less than 99.5% |
| Distilled or demineralized water Water quality: Average water consumption: Water shortage alarm: Upper Tank volume : Inner Tank volume: | Fulfilling EN 13060 Ann. C (conductivity< 15µS/cm) Approx. 0.25L(Min) Approx. 0.55L(Max) Less than 0.5L Clean water(DWO) Approx. 3.4 L Waste water(UWO) Approx. 1.7L |

CONFORMITY

| | |
|--|---|
| STERILIZER featuring type B sterilization cycles conform with the following standards: | |
| EN 2017/745/EU | Medical Device Regulation (MDR) |
| EN 13060 | Small steam sterilizer |
| IEC 61010-1 | Safety requirements for electrical equipment for measurement, control and laboratory use, general requirements |
| IEC 61010-2-040 | Safety requirements for electrical equipment for measurement, control and laboratory use; particular requirements for autoclaves using steam for the treatment of medical materials and for laboratory processes. |
| EN 61326 | Electrical equipment for measurement, control and laboratory use: EMC requirements. |