

The Kronos & Tiche Series

6, 18, 23 and 60-liter autoclaves



With antimicrobial
protection by


BioCote®

Autoclave Experts Since Forever

Serving dentists, hospitals, veterinary clinics and beauty salons

We are proud to be an Italian company with a rich history in autoclave production. With our specialized focus on serving dentists, hospitals, veterinary clinics and beauty salons, we have been delivering tailored autoclave solutions for as long as we can remember.

A Powerhouse Of 2,200 Specialists

Newmed is a proud member of Midmark Corporation

We are a proud member of Midmark Corporation, a prominent US medical devices manufacturer with a workforce of over 2,200 skilled professionals. This collaboration combines Newmed's expertise in autoclave manufacturing with Midmark's vast resources and industry experience. Together, we deliver exceptional autoclave solutions that reflect the synergy between Italian craftsmanship and the strength of a renowned American company.



Count On Us For 15 Years

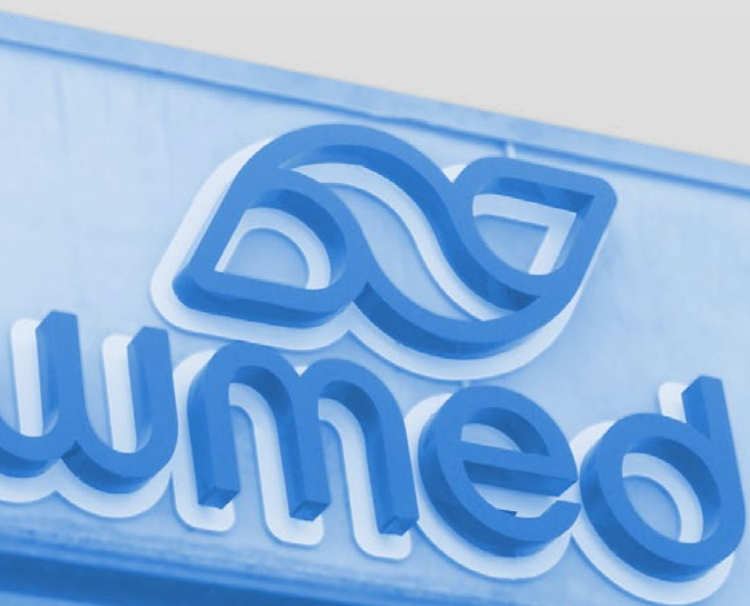
3 times longer service life
than competitors

We redefine durability and reliability, boasting a remarkable 3 times longer service life than competitors. Our installations are renowned for their flawless operation, setting a new industry benchmark by consistently performing optimally for up to 15 years.

40,000+ Units Sold In 90 Countries

From Europe to the Middle East,
from Asia to South America

Newmed's reach knows no bounds, having sold 40,000 autoclaves across the globe. From Europe to the Middle East and from Asia to South America, our sterilization solutions have gained the trust of customers worldwide.



Kronos 18 & 23

Chamber depth for your need: 381 and 530 mm





3-Year Warranty

One-of-a-kind offering in the worldwide autoclave sector. Subject to conditions.



Antimicrobial Treatment

BioCote antimicrobial coating inhibits the growth of microbes, like bacteria and fungi, on autoclave's surfaces, ensuring a more hygienic equipment. For more information, see page 12.



Standard Water Pump

Thanks to the built-in frontal water pump, you can keep the tank on the ground. Simply press a button, and the autoclave will fill itself up. The drainage, on the other hand, can be either manual or automatic.



Built-In Reverse Osmosis

Include the optional ROSI® to effortlessly connect your unit to tap water. This configuration offers an impressive average of 1,300 cycles of operation before maintenance is required. For more information, see page 6.



Free Integrated Printer

Simply document and monitor your sterilization processes to ensure compliance and streamline operations.



Paperless

The optional data logger conveniently saves sterilization records onto a USB drive. Coupled with our proprietary software, you can easily access and read the records on your PC.



Extra Dry

Take your time deciding whether to opt for an additional 5 minutes or a more comprehensive 15-minute extension to ensure thorough, completely moisture-free sterilization.



Sterile And Dry In 19 Min

In the B-Class 18 L autoclave, the incredible speed of our sterilization process is achieved through the utilization of a preheated chamber combined with the efficiency of the 134°C S RAPID cycle, resulting in remarkably swift and effective sterilization.



Value For Money

A selection of 10 cycles (in B and S-Class) enables you to optimize water and electricity usage based on your load. The standby mode activates after 60 minutes to save energy and the delayed start operates during off-peak energy hours.



Dedicated To Safety

Incorporating an automatic door locking mechanism and water quality verification system, guaranteeing consistently secure sterilization procedures, while ensuring peace of mind with timely maintenance reminders delivered.



Field Deepest Chamber

Among autoclaves with the same capacity in the industry, our 23 L unit proudly features the deepest chamber, measuring an impressive 530 mm and ensuring ample space to accommodate even the longest instruments.



The Class To Your Needs

Choose from B, S and N-Class models, each tailored to provide specialized sterilization solutions that align with your unique needs.

ROSI®: Space Saving Water Purification

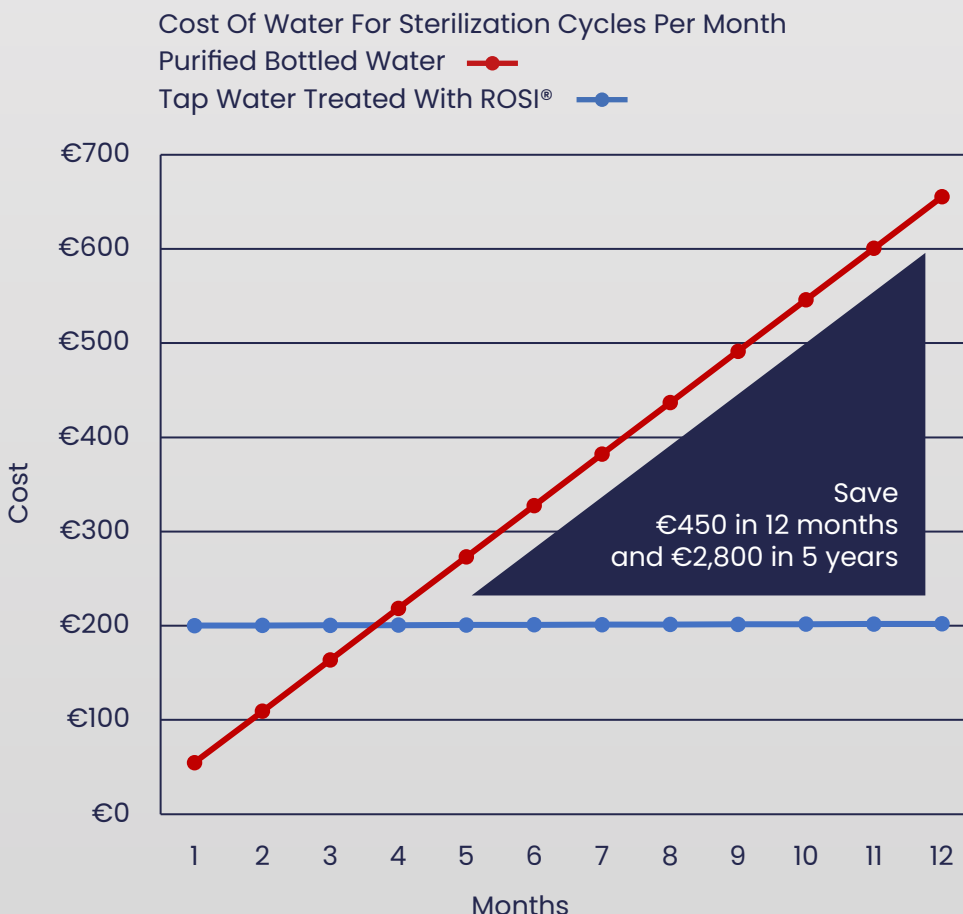
Built-in reverse osmosis

ROSI® is an innovative feature exclusive to our 18 and 23 liter autoclaves. It is composed of 3 cartridges, housed inside the unit, which filter the potable water supply into purified water for steam generation. The water first passes through a carbon filter that eliminates chlorine, sediment and volatile organic compounds. Then followed by a reverse osmosis cartridge that removes calcium, iron, salt, bacteria, viruses, particles and chemicals, before finally flowing through a resin filter, collectively providing water of suitable quality for steam generation.

Break Even In Less Than 4 Months

Number of working days per month:	21
Number of cycles per day:	4
Liters (L) per cycle:	0.5
Cost of purified bottled water per L (Italy, Sep. 2023):	€1.30
Cost of tap water per L (Italy, Sep. 2023):	€0.004
Cost of ROSI®:	€200

Cost of purified bottled water for sterilization cycles per month:	€54.60
Cost of tap water for sterilization cycles per month:	€0.17





Save €450 Annually

Considering an average Italian price of €1.30 per liter of purified water and assuming 1,000 cycles per year at 500 ml per cycle, ROSI® technology saves you around €450 annually.



No Extra Space Required

You not only connect your autoclave directly to the water mains but also enjoy the unique advantage of not needing any extra space for an external purification system.



Up To 1,900 Cycles

Based on our testing with poor-quality water (1,000 $\mu\text{S}/\text{cm}$ or 500 TDS), changing carbon and resin filters is due every 1,900 cycles.



Forget Heavy Tanks

Say goodbye to the heavy lifting and recurring costs of purchasing purified water containers, ROSI® eliminates the need to buy and transport bulky water tanks.



Purification At Its Finest

Reverse osmosis is globally trusted for its ability to selectively filter out even the tiniest particles, salts, minerals, and contaminants from water, leaving nothing but pure, clean H₂O.



Regular Updates

The software provides notifications when cartridges are running low, giving you time to contact your technician. Plus, you can continue using the front filling to maintain work flow without interruption.



Tiche & Tiche SI

Class B 60-liter autoclave: the 3-in-1 solution



Why Do You Need It?



"We needed to accommodate all our orthopedic equipment, including orthopedic drills, joint replacements, pins, plates and screws. It has consistently delivered excellent performance."

Dr. Jeremy Onyett @Abington Park Referrals, United Kingdom



"We sought a cost-effective solution. We can achieve the same sterilization results in just one cycle compared to two cycles required by a smaller autoclave, all while consuming less water and power."

Dr. Angelo Della Bona @Dental DB, Italy



"We found ourselves frequently utilizing our current 23 liter autoclave. Our objective was to decrease the daily cycle count and sterilize larger surgical cassettes."

Dr. Erika Vranková @Andel Elite, Slovakia

More on Newmed's YouTube.



3-Year Warranty

One-of-a-kind offering in the worldwide autoclave sector. Subject to conditions.



Save Money

While it's bigger in size, it operates intelligently, contributing to water and electricity conservation, while also simplifying maintenance and validation when compared to using 3 generic 18 L autoclaves.



50% Less Space

Up to 12 kg of load, all while taking up to 50% less space than 3 generic 18 L autoclaves. Enhance customization by including a cabinet, providing a versatile solution tailored to your preferences.



Standard Printer And USB

Simply document and monitor your sterilization processes to ensure compliance and streamline operations.



Power For Your Needs

The 60 SI model is offered with a steam generator and a 3-phase connection for shorter cycle timings, while the 60 variant features a 240 V connection.



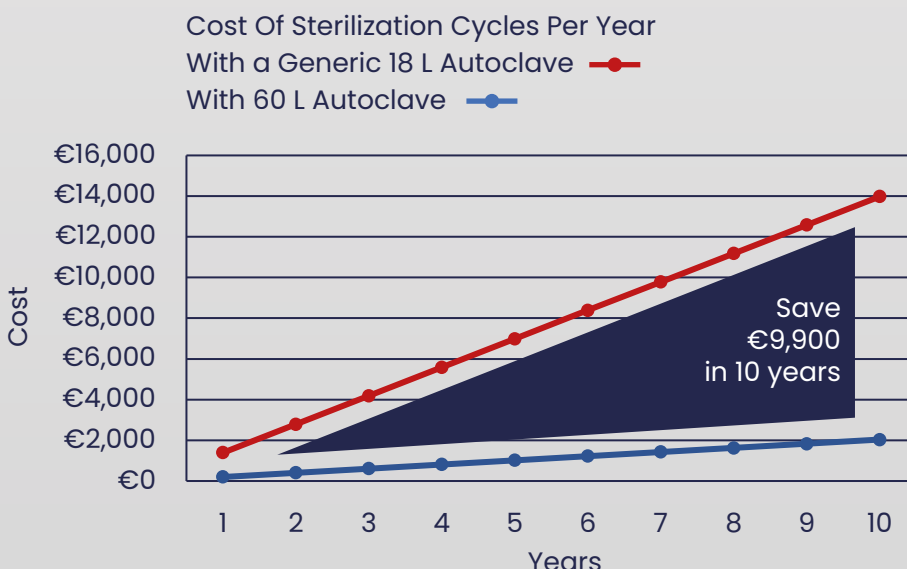
Free Reverse Osmosis

The built-in OSMO3, featuring a water quality sensor, facilitates seamless unit connection to tap water. With this setup, you can enjoy an impressive 750 cycles (500 TDS water) of operation before the sensor signals when maintenance is needed.

Save €9,900 In 10 Years

Number of working days per year:	255
Kg of instruments to sterilize per day:	24
Number of cycles per day with a generic 18 L autoclave:	6
Number of cycles per day with 60 L autoclave:	2
Cost of cycle with a 18 L with purified bottled water:	€0.78
Cost of cycle with 60 L autoclave:	€0.40

Cost of cycles per year with a generic 18 L autoclave:	€1,193.40
Cost of cycles per year with 60 L autoclave:	€204



Kronos 6

1 kg of instruments sterile and dry in just 12 min





3-Year Warranty

One-of-a-kind offering in the worldwide autoclave sector. Subject to conditions.



Sterile And Dry In 12 Min

In the B-Class autoclave, remarkable speed thanks to preheated chamber and 134°C B SOLIDS OPEN cycle.



Standard Water Pump

Thanks to the built-in frontal water pump, you can keep the tank on the ground. Simply press a button and the autoclave will fill itself up.



Budget Friendly

A lower price point compared to larger models makes it an economical choice, especially when there are budget constraints.



Free Integrated Printer

Simply document and monitor your sterilization processes to ensure compliance and streamline operations.



Automatic Filling Option

A one-way inlet for the automatic introduction of pre-treated water, simplifying the process and minimizing the need for manual intervention. The drainage, on the other hand, can be either manual or automatic.



Water Optimization

A selection of 10 cycles in B6 and 5 in S6 autoclave enables you to optimize water and electricity usage based on your load.



Paperless

The optional data logger conveniently saves sterilization records onto a USB drive. Coupled with our proprietary software, you can easily access and read the records on your PC.



Extra Dry

Choose between 5 or 15 extra minutes for thorough, moisture-free sterilization.



Value For Money

The standby mode activates after 60 minutes to save energy and the delayed start operates during off-peak energy hours.



Dedicated To Safety

Incorporating an automatic door locking mechanism and water quality verification system, guaranteeing consistently secure sterilization procedures, while ensuring peace of mind with timely maintenance reminders delivered.



The Class To Your Needs

Choose from B and S-Class models, each tailored to provide specialized sterilization solutions that align with your unique needs.

Antimicrobial

BioCote reduces the presence

Introducing BioCote

BioCote has been a market leading antimicrobial additive provider for over 25 years. Supplied in the form of additives, BioCote technology is manufactured into products to protect them against a wide range of microbes including bacteria and fungi.

Newmed & BioCote

We exclusively partnered with BioCote to further strengthen our commitment to ensuring products succeed expectations and standards for the benefits of both professionals and patients. This partnership aims to prevent the spread of microorganisms such as bacteria and mold in the every fields, providing equipment that has a reduced chance of cross-contamination for procedures and surgeries for patients.

Why Is BioCote Better Than Other Antimicrobial Additives?

Products carrying the BioCote brand contain silver ion technology. This technology further enhances the performance and value of a product, whilst remaining technically compatible with its material and applications.

What Is A Microbe?

A microbe is an organism so small you need a microscope to see it. Microbes include bacteria and fungi, such as Legionella, Campylobacter, Pseudomonas, Shigella, and Aspergillus Niger. Microbes can cause material stains, foul smelling odors, and reduce the autoclave's lifetime.



Unprotected

Protection

of microbes by up to 99.99%

The Facts

BioCote reduces the presence of microbes on a protected product by up to 99.99%.

BioCote acts fast and can reduce the number of bacteria on a protected product by up to 86% in 15 minutes and 99.5% in just 2 hours.

BioCote is permanent and provides built-in protection for the expected lifetime of your product.

BioCote provides continuous, around-the-clock protection against microbial colonization.

BioCote additives or products containing them do not cause antibiotic resistant bacteria.



How Can I Get BioCote On Newmed Autoclave?

We have already incorporated BioCote antimicrobial technology into our 18 and 23-liter autoclaves, providing an additional layer of protection against cross-contamination. This is especially important in environments where equipment may become contaminated due to the transfer of bacteria from one surface to another. Our autoclave, featuring BioCote technology, assures users that the equipment is designed to effectively control the presence of microorganisms.

Will The Autoclave Look Change?

This innovative enhancement seamlessly integrates with the autoclave's existing structure, preserving its original appearance. So, you can enjoy the benefits of a cleaner environment without compromising on the autoclave's sleek and professional look.

Sterilization Cycles

	B-Class					S-Class			N-Class	
	6 L	18 L	23 L	60 L	60 L SI	6 L	18 L	23 L	18 L	23 L
Helix Test (min, steriliz. time: 3.5 min)	19	25	35	110	80	X	X	X	X	X
134°C Bowie–Dick Test (min, steriliz. time: 3.5 min)	19	25	35	110	80	35	28	38	X	X
Vacuum Test (min)	15	15	15	15	15	15	15	15	X	X
134°C Hollow Wrapped (min, steriliz. time: 5 min)	20	27	37	95	65	30	32	42	X	X
121°C Hollow Wrapped (min, steriliz. time: 18 min)	23	40	50	120	70	40	43	53	X	X
134°C Prion (min, steriliz. time: 20 min)	35	39	49	130	70	X	47	57	40	50
134°C Solids Wrapped (min, steriliz. time: 5 min)	20	22	32	105	40	X	29	39	X	X
121°C Solids Wrapped (min, steriliz. time: 18 min)	X	35	45	95	55	X	40	50	X	X
134°C Porous (min, steriliz. time: 5 min)	25	32	42	140	90	35	43	53	X	X
121°C Porous (min, steriliz. time: 18 min)	38	45	55	X	X	45	53	63	X	X
134°C Rapid (min, steriliz. time: 5 min)	X	19	29	X	X	27	23	33	18	28
121°C Rapid (min, steriliz. time: 18 min)	X	29	39	X	X	X	35	45	28	38
134°C Hollow Open (min, steriliz. time: 5 min)	12	20	30	X	X	X	30	40	X	X
121°C Hollow Open (min, steriliz. time: 5 min)	25	X	X	X	X	X	X	X	X	X
134°C Solids Open (min, steriliz. time: 10 min)	12	X	X	85	70	X	X	X	38	36
121°C Solids Open (min, steriliz. time: 20 min)	25	X	X	X	X	X	X	X	26	48

Note: Values include pre-heating and drying; times vary with load and power supply; X means not available.

Technical Specifications

	6 L	18 L	23 L	60 L
Chamber Size (Ø x d)	170 x 265 mm	236 x 381.5 mm	236 x 530 mm	355 x 622 mm
Max. Load Quantity (B-Class)	1 kg instr. wrap. 1.8 kg instr. unwrap. 0.5 kg textiles	2.5 kg instr. wrap. 4 kg instr. unwrap. 1 kg textiles	3.5 kg instr. wrap. 4.5 kg instr. unwrap. 1.5 kg textiles	12 kg instr. wrap. 11 kg instr. unwrap. 6 kg textiles
Max. Load Quantity (S-Class)	1 kg instr. wrap. 1.8 kg instr. unwrap. 0.5 kg textiles	1 kg instr. wrap. 2.5 kg instr. unwrap. 0.5 kg textiles	2 kg instr. wrap. 3.5 kg instr. unwrap. 0.5 kg textiles	n/a
Max. Load Quantity (N-Class)	n/a	3 kg instr. unwrap.	4.5 kg instr. unwrap.	n/a
Device Dimensions (w x d x h)	450 x 590 x 345 mm	505 x 615 x 400 mm	505 x 690 x 400 mm	655 x 850 x 755 mm
Door Clearance Space	350 mm	350 mm	350 mm	1.300 mm
Minimum Support Depth	417 mm	427 mm	472 mm	670 mm
Weight	42.5 kg	52 kg	58 kg	138 kg
Power Supply	220 – 240 V 50 – 60 Hz	220 – 240 V 50 – 60 Hz	220 – 240 V 50 – 60 Hz	60: 220 – 240 V 50 – 60 Hz 60 SI: 390 – 410 V 50 – 60 Hz
Power Consumption	B6: 2,500 W S6: 1,500 W	2,400 W	2,400 W	60: 11 A 60 SI: 13 A per phase
Clean Water Tank Capacity	4 L	4 L	4 L	4 L
Used Water Tank Capacity	4 L	4 L	4 L	4 L
Tray Dimensions (w x d x h)	1x 150 x 240 x 19 mm 2x 115 x 240 x 19 mm	4x 185 x 285 x 18 mm	4x 185 x 440 x 19 mm	2x 310 x 550 x 25 mm 2x 220 x 550 x 25 mm
Standard Accessories Supplied	3x tray, 1x reversible rack, 1x tray holder, 1x sponge, factory tests, fill and drain tubes	4x tray, 1x reversible rack, 1x tray holder, 1x sponge, factory tests, fill and drain tubes	4x tray, 1x reversible rack, 1x tray holder, 1x sponge, factory tests, fill and drain tubes	4x tray, 1x reversible rack, 1x sponge, 1x glove, 1x water filter, factory tests, fill and drain tubes
Regulatory Compliance	CE certified according to Reg. (EU) 2017/745 (Medical device regulation) Dir. 2014/68/EU (Pressure equipment directive) Dir. 2012/19/EU (Waste electrical and electronic equipment)			
Standards	EN 13060 (Small steam sterilizer) EN 61010-1 (Safety requirements) EN 61010-2-040 (Specific requirements for steam sterilizer) EN 61326-1 (Electromagnetic compatibility)			
Company Certifications	ISO 9001 ISO 13485			

1 Recyclable

We are firmly dedicated to sustainability, and our unwavering commitment is exemplified by our packaging, which is not only 100% recyclable but also comprises an impressive 95% recycled materials. These steadfast dedication to environmentally responsible practices underscores our mission to reduce our ecological footprint and contribute to a more sustainable future.

2 Nearby

We choose suppliers located within a 1000-kilometer radius as a deliberate decision that supports local economies but also curtails the ecological footprint associated with extended transportation. This mission not only reduces our carbon footprint but also nurtures regional partnerships.

6 Reasons

We Go

4 Durable

Our commitment to environmental responsibility extends to the longevity of our machines, which are used by our customers for over 15 years. This may seem simple, but it's a significant step in reducing waste and minimizing the disposal of machinery components that no longer function.

5 Waste-0

Our autoclaves are not just machines; they are smart. They optimize energy usage based on the load and environmental impact. Unlike Start Delay, you can avoid peak costs by avoiding peak usage and automatic standby mode, not wasting energy when not in use.

Suppliers

located within a
of our operations, a
at not only bolsters
also significantly
consequences
ded trucking and air
ndful approach not
on footprint but also
nerships.

3 Plastic-Free

We pride ourselves on our sustainability initiatives, driven by our goal to achieve plastic-free packaging by 2025. Our commitment to this eco-friendly endeavor is a testament to our dedication to a greener and more environmentally responsible future.

Why Green

Conscious

it just efficient; they
ze water and energy
ad, reducing waste
oact. With features
n save on electricity
x usage, while our
ode ensures you are
en it is not needed.

6 Paperless

We are proud to reduce our environmental footprint by embracing digital solutions. We've ditched unnecessary printing in favor of digital delivery, ensuring that what can be delivered electronically stays digital. Our documentation is easily accessible in our download area, eliminating the need for printed copies and helping us contribute to a greener, paperless future.

Accessories

Complete your sterilization kit



Osmo3

Including a carbon pre-filter followed by a reverse osmosis membrane and a resin filter, designed for the water supply of 1 autoclave.

360 x 170 x 190 mm (w x d x h)
2 kg



AquaMed

A pair of cationic and anionic nuclear grade cartridges, to produce high quality demineralized water for 1 autoclaves.

280 x 140 x 330 mm (w x d x h)
3 kg



Perfect Water

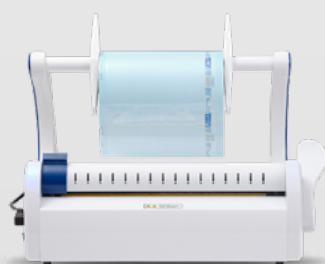
An electric water distillation system with the capacity to purify 1 liter of water per hour and a total water holding capacity of up to 4 liters.

230 x 360 mm (Ø x h)
3.4 kg



Green Control

Designed to gauge the water hardness intended for use in your autoclave, making it an ideal complement to our Perfect Water solution. Its notable features include a TDS meter measuring in parts per million (ppm), a conductivity meter measured in $\mu\text{S}/\text{cm}$ and a temperature meter providing readings in both $^{\circ}\text{C}$ and $^{\circ}\text{F}$.



QuickSeal®

It ensures reliable sealing with a 12 x 300 mm sealing band and features status indicators, including an automatic safety cut-off to prevent equipment damage or burns. Plus, it is equipped with an integrated cutter for added convenience. Additionally, the roll holder can be conveniently wall-mounted for easy access.

400 x 370 x 440 mm (w x d x h)
7.5 kg



QuickClean®

It allows for customizable cycle run-times from 1 to 99 minutes and offers variable power settings to optimize performance according to your specific application and load type. Additionally, it features a fluid level sensor to maintain water levels throughout the cycle.

QC1: 4.5 L / 6 kg
345 x 260 x 265 mm (w x d x h)

QC3: 12.5 L / 8 kg
375 x 420 x 265 mm (w x d x h)

QC6: 25 L / 13.5 kg
550 x 420 x 365 mm (w x d x h)



STS Datalogger

To enhance your old Newmed-manufactured autoclave, our datalogger expedites the secure transfer of your sterilization data to your laptop. It includes a USB flash drive and a customized connection cable for seamless integration.



Cabinet

Accommodate 60 L autoclave as well as others and it can serve as a storage solution. Featuring three removable shelves, a magnetic closure and built-in wheels make it portable.

655 x 850 x 785 mm (w x d x h)
58 kg



Pulcino

As an incubator for biological indicators, it is equipped with eight calibration holes, each measuring 10 mm, including one designated for reference purposes.

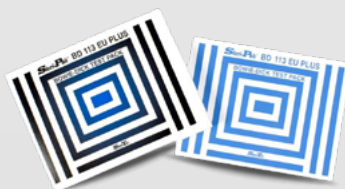
134 x 187 x 74 mm (w x d x h)
1.2 kg



Biological Indicator

To determine if conditions were met for microorganism removal.

10 indicators/pack



Bowie-Dick Test

To detect adequate steam penetration in a porous load.

1 indicator/pack



Helix Test

To monitor steam penetration into a lumen-type device.

1 helix + 250 indicators/pack



Steam Process Test

To test sterilization conditions confirmed by color-change strip.

250 indicators/pack



Steam Integrating Test

To verify the successful sterilization at temperatures of 134 and 121°C.

250 indicators/pack

Autoclave Experts Since Forever

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