



GUARISCO

MEDICAL STERILIZER

*The younger generation is the arrow,
the oldest is the arc.
(John Steinbeck)*





GUARISCO MEDICAL STERILIZER **A Legacy of Excellence in Medical Sterilization**

In 2022, we proudly rebranded our company from Medical Trading to GUARISCO MEDICAL STERILIZER s.r.l., a name that better reflects our identity as a leading manufacturer of medical sterilization devices. For over 60 years, our passion for innovation, dedication to our customers, and commitment to our local community have been the driving forces behind our success. These values are deeply rooted in the DNA of GUARISCO MEDICAL, a legacy carried forward by three generations of the Guarisco family, who have made our name synonymous with excellence, safety, and reliability in both the Italian and international markets.

A Journey of Innovation and Excellence

Our story began in the early 1960s, when Pasquale Guarisco, the founder, pioneered the development of high-temperature sterilization machines. This innovation gave birth to our iconic HOT DRY series, marking the beginning of our journey in the medical device industry.

In the 1990s, the second generation of the Guarisco family introduced the HYDRA 100, the first autoclave entirely produced in Italy. This groundbreaking achievement not only solidified our position in the domestic market but also propelled GUARISCO MEDICAL onto the global stage, showcasing the unparalleled quality, reliability, and craftsmanship of Made in Italy products.

Today, under the leadership of the third generation, we continue to push the boundaries of innovation. Our latest achievement is the PHOENIX BLU, a state-of-the-art Class B autoclave that embodies decades of expertise and cutting-edge technology.

Commitment to Safety and Quality

From autoclaves to thermo-sealers, every product we design and manufacture is crafted with the utmost attention to detail, ensuring the highest standards of safety for medical, dental, and beauty professionals. Our devices are not only built to protect the integrity of medical instruments but also to safeguard operators and patients alike.

For over six decades, our core values—safety, Made in Italy quality, and reliability have guided our work. These principles have enabled us to meet the most stringent global standards and regulations, earning the trust of customers worldwide.

At GUARISCO MEDICAL STERILIZER, we are more than a company; we are a family dedicated to advancing the field of medical sterilization, one innovation at a time meet the highest standards of the global market and legislation.

QUALITY MANAGEMENT SYSTEM



In the last years, the word AUTOCLAVE has become synonymous of SAFETY.

We at *GUARISCO MEDICAL* know this very well and that is why we are committed to getting all the certifications for our factory and our products.

In fact, today our company complies with the standards required by UNI EN ISO 13485:2004 for the manufacturing and servicing on medical devices in Class IIb.

Our products comply with the European Directives:

- Directive 2017/745-(MDR) for medical devices
- Directive EN13060 for small autoclaves.
- UNI EN ISO 13485:2016

DIRECTIVE EN 13060



OUR PRODUCTION

CLASS B

CLASS B - Big Small Sterilizers

Small autoclaves with similar performance to hospital autoclaves. With these devices it is possible to sterilize any type of load: solids, bodies Cables (Type A and Type B), porous materials, textile loads, wrapped and unwrapped instruments.

CLASS N

Class N - Naked solid product

Small autoclaves suitable for the sterilization of **unwrapped solid instruments**. With these machines you can not sterilize hollow instruments, porous or wrapped. Although it has a limitation in the type of instruments to be sterilized, the autoclave in class N has many strengths, such as the **smaller dimensions**, the **rapidity of the cycle**, **reliability** and of course the **lower price**.

CLASS S

CLASS S - Specified by the manufacturer

It is a middle class, whose type of instruments to be sterilized must be specified by the manufacturer. **You can NOT sterilize all types of instruments.** **Less security**, slightly lower price, and in some cases, higher price than the *phoenix Blu*.

SOLID INSTRUMENT

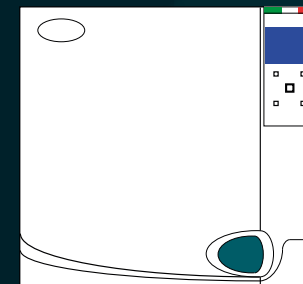
Tools, which can be subjected to sterilization, without cavities and without obstacles for the penetration of steam.

POROUS MATERIALS

Porous bodies are simple or compound materials that can absorb fluids (tissues, gowns, etc.)

HOLLOW INSTRUMENT

The hollow material are materials or instrument with cavities, obstructions, etc ...
Type A: turbines, handpieces and devices with blind or small holes
Type B: cannulas, tubes or devices with large passages



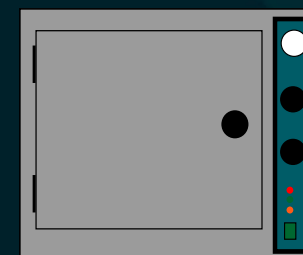
CLASS B AUTOCLAVES

According to the Directive UNI EN 13060, to which all our autoclaves are comply, Class B autoclaves are the only ones that can sterilize any kind of instrument. Autoclaves are fully automatic and with similar performance to the hospital autoclaves.



CLASS N AUTOCLAVES

The autoclave class N is suitable to sterilizing only unwrapped solid instruments. Although it has a limitation in the type of instruments to be sterilized, the class N autoclave has several strengths, such as the smaller size, a faster sterilization cycle, reliability and of course the price.



HOT AIR STERILIZER

The devices are hot air sterilizers that are commonly called "DRY HEATERS" and can be of two types, depending on the mechanism of air circulation inside the devices.

1) Natural air circulation

2) Forced air circulation (Optional)

The operation for both types, is based on heating, with electrical resistances, of the air. This circulates in the sterilization chamber and sterilizes the instruments at the selected temperature.



THERMO SEALER & ACCESSORIES FOR STERILIZATION

The main products of our company are autoclaves and sterilizers. To offer a complete service to our customers, over the years we have enriched our production to a variety of accessories: Thermo-sealer, distiller water, trays, baskets and boxes, bags and rolls for sterilization, Control Test for autoclaves and sterilizers.

Functional, Reliable and Fast

All the qualities you've been looking for, in a single autoclave:

After years of research, we have developed an autoclave that brings together all the most important features for users around the world: Performance, Efficiency, Functionality and Design.

phoenix Blu LCD provides higher performance in less time, ensuring optimal drying and keeping water and energy consumption to a minimum.

The use of innovative technologies makes *phoenix Blu LCD* an autoclave simple and intuitive, able to adapt to daily needs in the Medical and Dental sector.



phoenix Blu LCD

Our cycles are not divided by type of instruments, but they are clear and simple. Just press a button is possible to customize each cycle.

The Phoenix Blu autoclave is equipped with manual door closing, multi language and graphic LCD display that show in real-time the parameter and the graphic of the cycle. The cycle and information are shows on the screen in all main languages.

The standard version is also equipped with a USB output for saving data via PEN-DRIVE (included). Just connect the pendrive to the PC to show the sterilization data on the computer.

The Phoenix Blue is available in special versions:

- *phoenix Blu LCD PRINTER*
- *phoenix Blu LCD PLUS+*
- *phoenix Blu LCD AWF* (Automatic Water filling)

TRADING



phoenix *Blu LED*

This special version has been specially developed for particular markets where the basic data is only 3: **QUALITY - PERFORMANCE - CONVENIENCE**

We then tried to **SIMPLIFY the autoclave** by replacing the LCD screen with 3 LED screens that indicate the basic data of the autoclave: TEMPERATURE - PRESSURE - TIME.

The **QUALITY has not changed** than the other versions, in fact all the components are unchanged, so it is the **same features and specifics** of the LCD versions.

The Phoenix Blu LED is available also in the following special version

- *phoenix Blu LED PRINTER*
- *phoenix Blu LED PLUS+*
- *phoenix Blu LED AWF* (Automatic Water filling)

MEDICAL

Sterilization, is a matter of Balance

Simple, high-performance and affordable:

phoenix Blu LED synthesises all the Medical Trading experience in steriliser production gained since 1964 to offer the right balance between innovation and ergonomics, power and consumption, customisation and usability, **quality and price**.

The result is a state-of-the-art autoclave, *phoenix Blu LED* improves your work and guarantees maximum reliability and longevity without sacrificing performance.



SPECIAL VERSION with LCD

phoenix Blu Printer

It has the same technical features of the standard version but it's equipped with an **INTEGRATED PRINTER** for automatic printing of the sterilization data on thermal paper.

The USB output is always present for the digital storage of sterilization data via PC.



phoenix Blu plus⁺

FULLY AUTOMATIC AUTOCLAVE, the only thing left you need to do is only place the instruments inside the chamber.

Thanks to the new **WATER DEPURATOR BY REVERSE OSMOSIS SYSTEM** that you can directly connect to the water tap. The water is automatically purified (<10 µs) and loaded into the autoclave tank.

The depurator can be **anchoring on the side of autoclave** or can be place closed to it. (On wall or furniture)



phoenix Blu TOP

Equipped with the **HORIZONTAL WATER DEPURATOR** that is possible to place on the top of the autoclaves, as previous version the system can be connect directly to the water tap. The water is automatically purified (<10 µs) and loaded into the autoclave tank.

Compact size perfect for small studies or to place inside the sterilization cabinet.



phoenix Blu AWF

Equipped with an **AUTOMATIC WATER FILLING** system. Thanks to the additional **BUILT-IN PUMP**, it is possible to automatically load the water from an external tank.

This autoclave is also ready to connect the reverse osmosis depurator (to be purchased separately).



SPECIAL VERSION with LED

phoenix Blu LED Printer

It has the same technical features of the standard version but it's equipped with an **INTEGRATED PRINTER** for automatic printing of the sterilization data on thermal paper.

The USB output is always present for the digital storage of sterilization data via PC.



phoenix Blu LED plus⁺

FULLY AUTOMATIC AUTOCLAVE, the only thing left you need to do is only place the instruments inside the chamber.

Thanks to the new **WATER DEPURATOR BY REVERSE OSMOSIS SYSTEM** that you can directly connect to the water tap. The water is automatically purified (<10 µs) and loaded into the autoclave tank.

The depurator can be **anchoring on the side of autoclave** or can be place closed to it. (On wall or furniture)



phoenix Blu LED TOP

Equipped with the **HORIZONTAL WATER DEPURATOR** that is possible to place on the top of the autoclaves, as previous version the system can be connect directly to the water tap. The water is automatically purified (<10 µs) and loaded into the autoclave tank.

Compact size perfect for small studies or to place inside the sterilization cabinet.



phoenix Blu LED AWF

Equipped with an **AUTOMATIC WATER FILLING** system. Thanks to the additional **BUILT-IN PUMP**, it is possible to automatically load the water from an external tank.

This autoclave is also ready to connect the reverse osmosis depurator (to be purchased separately).



CLASS B AUTOCLAVE

NEW PHOENIX B

This changes everything. Again.



Exactly 10 years have passed since our research center is developing and set to work to develop the class B autoclave, a work completed in 2011 with the presentation of the autoclave *phoenix Blu*

In 2021 we have completely revolutionized our autoclave, with a **new and modern Design**. Our engineers, after several hours of study, have developed a design that blends modernity (of aeronautical inspiration) but still maintaining a distinctive trait of our company.

Furthermore, an **automatic door closing system** has been implemented. It is enough to lightly rest the door, a sensor will understand this movement and **automatically perform the mechanical closing**. In case of need it is always possible to open the door, through the emergency opening.

The new software that from 2020 will be present on all our class B autoclaves includes 14 sterilization cycles.

The new PHOENIX B will be available only with the LCD display and with integrated printer.

MEDICAL

phoenix Blu 12
"Phenomenal cosmic powers...itty bitty living space!"
GENIE - WALT DISNEY



SAME FEATURES, LESS SPACE, LESS TIME

Following several requests coming mainly from the beauty market, our R&D department developed the autoclave *phoenix Blu 12* liter.
SAME FEATURES, SAME COMPONENTS IN A REDUCED SPACE.

This autoclave has been developed specifically for the beauty market, but having the same functions as the "normal" version is also perfect for small medical/dental/veterinary study. The smaller dimensions is not the only advantage, because fewer size of the chamber involves less time of the filling phase and less time of the sterilization cycle.

A **class B sterilization cycle** is completed in **just 15 minutes**.

TECHNICAL DATA

External Size	407 mm. L; 410 mm. H.; 570 mm. D
Size of sterilization chamber	ø210 x 360 mm.
Tray size	310 x 160 mm.
Capacity	12 Liters
Power Consumption	1800 W.
Tank Capacity	Distilled water: 3 l -Used water: 4,0 l
Weights	Net weightKg 42 - Gross weight Kg 44

Available in the following version:

- *phoenix Blu 12*
- *phoenix Blu 12 USB* (with USB output)
- *phoenix Blu PRINTER 12* (with USB and PRINTER)



DESIGN & ERGONOMICS

The perfect synthesis between Italian Design and Functionality



- 
ELEGANT
 Clean and modern lines, for a practical autoclave and reliable, with all the **TYPICAL ITALIAN** attention to detail.
- 
COMPACT
 Thanks to its linear shapes and compact dimensions, Phoenix Blu is easy to place on the worktop (min. support surface 41x45 cm) and in small spaces, or on the specially developed stainless steel trolley.
- 
DESIGNED FOR YOUR SPACES
 The new DOUBLE rear ventilation system makes it perfectly fit into the sterilization cabinet.
- 
MODULAR STRUCTURE
 The side panels made of aluminum are extremely simple to dismantle and clean. Furthermore, inside the machine the components are arranged in a logical order and easily accessible. In this way maintenance also becomes simpler, quicker and more effective.
- 
INSPECTION SYSTEM
 The two separate tanks for distilled water and used water can easily be inspected through the top cover, which is secured by simple screws. Only unscrew them to access tanks so you can carry out normal maintenance tasks very quickly. The autoclave is also equipped with a **WATER QUALITY CONTROL SYSTEM** that check the conductivity of the distilled water and show error messages if it is over 15µs.

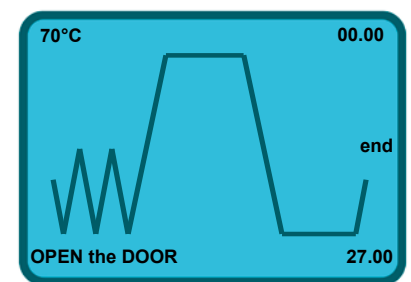
INNOVATION

The best technology, at your fingertips

- 
LCD DISPLAY - Multi-language and graphic display.
 The display shows the graph of the cycle in use and provides the operator with instantaneous data on the pressure or temperature within the chamber or on the function in progress. The screen shows also warning/error messages along with an audible alarm.
- 
CUSTOMIZABLE
 Phoenix Blu offers the possibility of carrying out 3 different type B cycles (121°, 134°, 134° Prion), in full compliance with the EN 13060 standard, and 3 test cycles (Vacuum, Helix, Bowie and Dick). Furthermore it is also possible to carry out the UNWRAPPED CYCLE (S type cycles - 134°C).
- 
FAST CYCLE
 With the DRY button it's possible to choose the DRY time (10-5-1 min) for each cycle about the quantity of instrument to sterilize. In this mode any cycle can be a FAST CYCLE to obtain a total of 14 sterilization cycle.
- 
FUNCTIONAL
 The exclusive LCD display is designed to be easy to clean thanks to the protective polycarbonate screen.



phoenix Blu



MEDICAL TRADING

RELIABILITY

Efficiency and safety
that last over time



WATER CONDUCTIVITY CONTROL

The integrated conductivity sensor monitors water quality: in case of unsuitable quality the autoclave informs the operator with specific messages on the display.



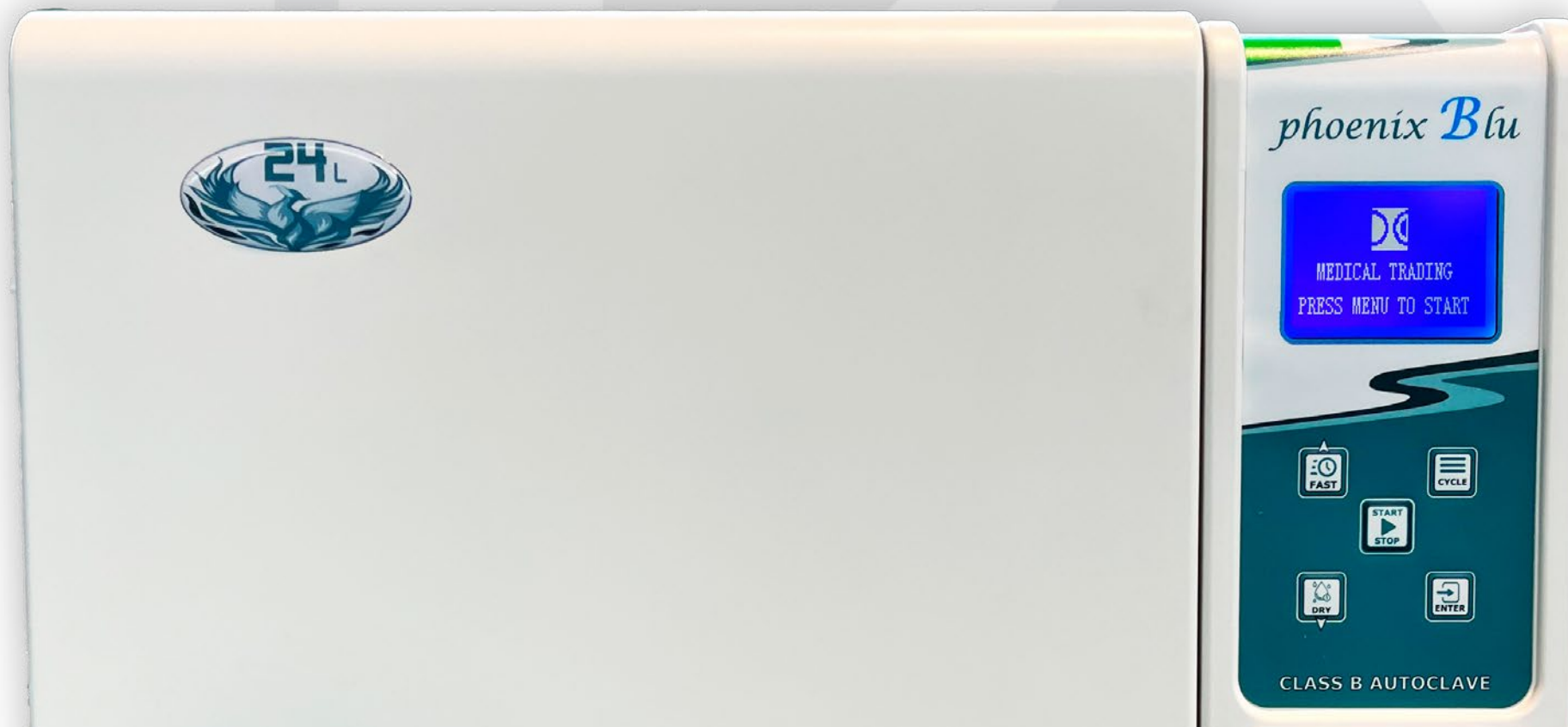
DIRT CONTROL SYSTEM

Dirt management system present in the hydraulic circuit which allows precise separation of the flows of clean water and dirty water. The Dirt Control System allows dirt to flow easily from the hydraulic circuit and be discharged directly into the used water tank, so that the autoclave can continue to operate work without problems.



AIR-WATER SEPARATOR

The air-water separator device, integrated into the tank group, is a real "lifesaver" for the vacuum pump. The pumps used on machines of this level are essential for correct sterilization, but very delicate because they are attacked by flows that contain high temperature steam, air, dirt and chemical residues of lubricating oils coming from the instruments to be sterilized (handpieces, turbines...). These flows are conveyed in the separator device which has the task of separating the air from the other components before entering the vacuum pump. This measure allows the pump to always work in ideal conditions, preserving the efficiency of the device.



PERFORMANCE

The right balance
between Power and Consumption



ULTRA RAPID STEAM GENERATOR

The Phoenix Blu are equipped with a last generation and **ULTRA-RAPID**, external steam generator. This feature, has the benefit to decrease the filling times of the sterilization chamber and the time of all cycle, but especially this feature transform the water into steam in a very short time and avoid the deposit of limestone inside.

With the **GENERATOR CLEANING CYCLE** it is possible to remove any impurities and thus increase the useful life of this fundamental component.



EFFICIENT

The vacuum pump is the most important element of the entire autoclave, as it adjusts the function of the vacuum, the major step for a sterilization cycle in class B. On our autoclaves we assemble only **HIGH-EFFICIENCY PUMPS WITH DOUBLE HEAD. (3 Fractionated Vacuum)**.



RAPIDITY

The autoclave is usually in ECO mode (to save energy), but just press the FAST button to activate the **rapid mode**.

The sterilization chamber and generator will automatically be heated to the optimal temperature while waiting for the operator to start the sterilization cycle. Once the START button is pressed, the autoclave will start the cycle immediately, saving approximately 5/10 minutes.



ECO-FRIENDLY

Speed and efficiency, together. The technology used has optimized the sterilization parameters ensuring savings in water (300 ml of water per cycle), energy (power absorbed under 1800 W at 10 A) and time.



QUALITY AND RAPID

GUARISCO MEDICAL has developed each individual component and studied its positioning to facilitate the work of technicians during installation, diagnosis and maintenance. In this way Phoenix Blu will always be able to operate at top performance, reducing intervention times and costs.

TRACEABILITY

Keep the Sterilization érocess

Always under control



EXPANDABLE CONNECTIVITY
Storage system on PEN-DRIVE (included) to easily transfer all data from the autoclave to the computer, in compliance with the EN 13060 standard.



CYCLE VALIDATION
At the end of each cycle the autoclave will communicate the result: PASSED/FAULT and allows the user to record the compliance of the sterilization process
The operator will check the integrity and dryness of the bags, the state of the instruments and compliance with the sterilization parameters.

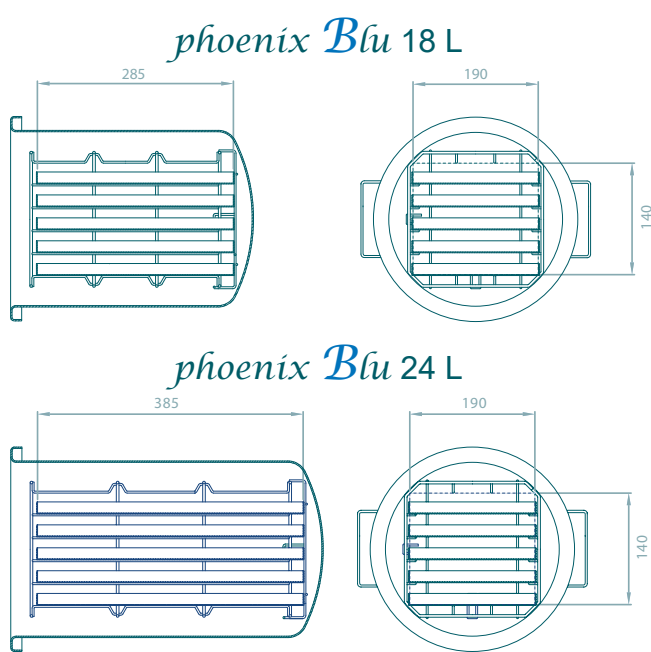
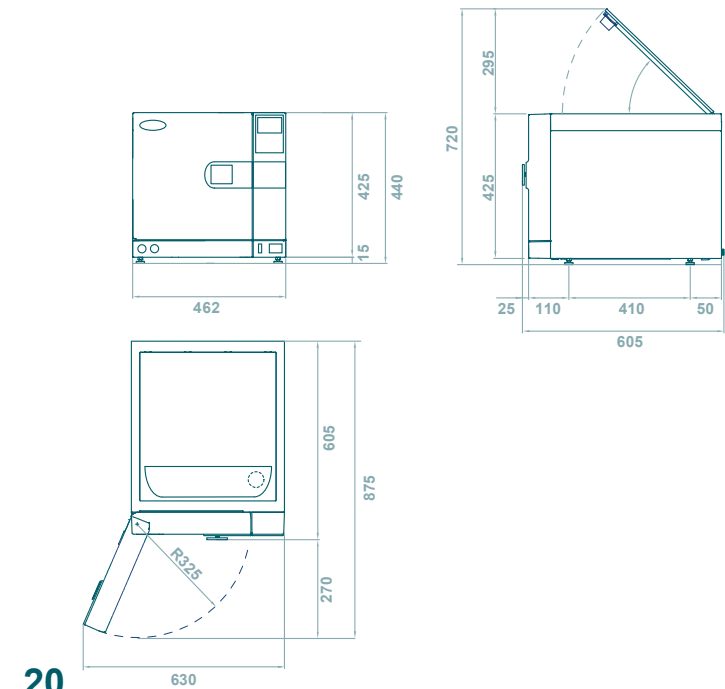


INTEGRABLE PRINTERS
The expandable traceability system allows you to integrate printers (PRINTER VERSION), depending on your needs. Traceability in the Phoenix Blu adapts to the needs of each practice, guaranteeing the safety standards required by law.

	phoenix Blu LED TOP 18 - 24	phoenix Blu LED PLUS+ 18 - 24	phoenix Blu LED AWF 18 - 24	phoenix Blu LED PRINTER 18 - 24	phoenix Blu LED 18 - 24	phoenix Blu TOP 12 - 18 - 24	phoenix Blu PLUS+ 12 - 18 - 24	phoenix Blu AWF 18 - 24	phoenix Blu PRINTER 12 - 18 - 24	phoenix Blu 12 - 18 - 24	
Model Name											
CLASS B	●	●	●	●	●	●	●	●	●	●	●
LCD DISPLAY	×	×	×	×	×	●	●	●	●	●	×
LED DISPLAY	●	●	●	●	●	×	×	×	×	×	×
STEAM GENERATOR	●	●	●	●	●	●	●	●	●	●	●
2 WATER TANK	●	●	●	●	●	●	●	●	●	●	●
VACUUM PUMP	●	●	●	●	●	●	●	●	●	●	●
3 fractioned vacuum	●	●	●	●	●	●	●	●	●	●	●
1 BASKET TRAYS	●	●	●	●	●	●	●	●	●	●	●
3 TRAYS	●	●	●	●	●	●	●	●	●	●	●
5 TRAYS	□	□	□	□	□	□	□	□	□	□	□
CLASS B	●	●	●	●	●	●	●	●	●	●	●
USB OUTPUT	●	●	●	●	●	●	●	●	●	●	●
INTEGRATED PRINTER	□	□	□	□	□	□	□	□	□	□	□
BACK DRAIN PIPE	□	□	□	□	□	□	□	□	□	□	□
AUTOMATIC WATER FILL.	×	×	×	×	×	×	×	×	×	×	×
AUTOMATIC WATER FILL. BY PUMP	×	×	×	×	×	×	×	×	×	×	×
OSMOSIS DEPUR. VERTICAL SYSTEM	×	×	×	×	×	×	×	×	×	×	×
OSMOSIS DEPURATOR ORIZONTAL SYSTEM	●	×	×	×	×	●	×	×	×	×	×

TECHNICAL DATA

Model Name	phoenix Blu 18 L	phoenix Blu 24 L
Dimension and volume	462 x 445 x 600 mm (w x h x d)	
Weights (machine empty with basket)	Net weight: Kg 46 Gross weight: Kg 51	Net weight: Kg 48 Gross weight: Kg 53
Minimum depth of the support surface	455 mm	
Minimum width of the support surface	410 mm	
Minimum space for water loading	165 mm	
Weight on support area (tank full and chamber with max. load)	Load on each foot: 17,25 kg	
Voltage	230 V - 50/60 Hz	
Fuses	2 x 12FAL 250V.	
Power Consumption	1800 W	
Sterilization temperature	121°C - 134°C	
Working pressure	Cycle 121°C: 1,0 - 1,3 bar (STP) Cycle 134°C: 2,0 - 2,4 bar (STP)	
MAX working empty	-0,9 bar (STP)	
MAX pressure	2,5 bar (STP)	
Sterilization chamber	255 X 360 mm (ø x d)	255 x 460 mm. (ø x d)
	STAINLESS STEEL - AISI 316 L	
Size of trays (3 trays included)	285 x 190 mm.	385 x 190 mm.
Water tank	Distilled water 4,6 litres Used water:5,0 litres	
	ABS - Anticorrosive	
Water consumption per cycle	0,15 / 0,30 l - 15 cycles	0,16 / 0,40 l - 11 cycles
Bacteriological filter	Diameter: ø 56 mm - Filtering capacity: 0.3 µm	
Operating range	Indoor use, maximum relative humidity 85% Maximum line-voltage deviation ±10% Installation category II, Pollution level 2	
Max noise level	50 dB	
Operating Altitude	<2000m (IF>1000 make a Parameter setting)	



TECHNICAL DATA

SECURITY DEVICE	COMPLIANCE TO EUROPEAN DIRECTIVES	CERTIFICATION
- Safety valve certified TÜV - PED IV - Overpressure control - Safety thermostat - Safety door lock (3 devices: mechanical, dynamic, electrical) - Microprocessor - Real-time self-diagnosis system - Electronic temperature and pressure control	- EN 13060 - EN ISO 14971 - EN 61010-1 - EN 61010-2-040 - EN 61326 - EN 13445	- The autoclave complies with Directive 93/42-ECC and addendum. - Class IIb device - The safety valve and Chamber complies with PED 97/23/ECC - Certified company UNI EN ISO 134885

Autoclave Equipment:		
- User manual - 1 USB pendrive(2Gb) - 1 handle for trays - Technical assistance manual (on request)	- Declaration of conformity - 1 modular basket trays - 1 Power cord	- Declaration of conformity for the safety valve - 3 trays - 1 water drain tube with quick connector
Maintenance equipment:		
- 1 door seal - 1 bacteriological filter (air)	- 1 steam discharge filter - 2 power fuses	- 1 distilled water tank filter - 1 fuse for pc board

TIME AND OPERATION OF THE PROGRAMS							
Time of the Cycle	Universal Cycle	Prione Cycle	Unwrapped Cycle	Rubber & Plastic Cycle	Helix Test B&D Test	Leak Test	Cleaning Generator
Sterilization Temperature	134 °C	134 °C	134 °C	121 °C	134 °C	==	==
Sterilization Pressure (bar)	2,10	2,10	2,10	1,10	2,10	==	==
Class (EN13060)	B 3 fractioned	B 3 fractioned	S 1 vacuum	B 3 fractioned	B 3 fractioned	==	==
Time of Void	4 min.	4 min.	2 min.	4 min.	4 min.	4 min.	20 min.
Steam InjectionTime	6 min.	6 min.	6 min.	6 min.	6 min.	==	==
Sterilization Time	4 min.	18 min.	4. min.	20 min.	3,5 min.	10 min.	==
Drying Time	1-5-10 min.	1-5-10 min	1-5-10 min	1-5-10 min	1 min.	==	10 min
Total Time	19 min*	28 min*	17 min*	35 min*	14,5 min.	14 min.	30 min.

MAX LOAD	phoenix Blu 18 l.	phoenix Blu 24 l.
UNIVERSAL CYCLE / PRIONE CYCLE WRAPPED SOLID INSTRUMENT	max 2,5 Kg.	max 3,5 Kg.
UNIVERSAL CYCLE / PRIONE CYCLE HOLE BODY	max 2,5 Kg.	max 3,5 Kg.
UNIVERSAL CYCLE / PRIONE CYCLE POROUS MATERIAL	max 1,5 Kg.	max 2 Kg.
UNWRAPPED CYCLE UNWRAPPED INSTRUMENT	max 5 Kg.	max 7 Kg.
PLASTIC MATERIAL CYCLE WRAPPED INSTRUMENT	max 2,5 Kg.	max 3,5 Kg.

*Time does not include pre-heating time.
It usually ranges between 10-15 minutes, depending on the load.
Total time is calculated with quick-drying of 5 min on 18 l version.

CLASS N AUTOCLAVE

HYDRA 100

CLASS N AUTOCLAVE
COMPLY TO DIRECTIVE 93/42
MEDICAL DEVICES CLASS IIb



HYDRA 100 IS FOREVER

The autoclave HYDRA 100 is equipped by a heating element placed under the sterilization chamber which allows the heating to 125 ° C of the distilled water. The pressure that is created inside the sterilization chamber, in combination with the temperature, allow the complete asepsis on the instruments. The sterilizer is equipped with several sensors that monitor the reaching of the temperature, which is preset and can not be changed to prevent tampering.

The operation is very easy just rotate the knob that controls the time of the sterilization cycle and the autoclave begins the heating phase. Upon reaching 125 ° C a light signal will inform the start of the sterilization phase. At the end of the cycle just open the vent valve and wait 2 minutes. The sterilization cycle is now complete and it is possible to unload the sterilized instruments.

The machine is equipped with several safety systems, in particular with a thermostat that, in the event of an excessive temperature, stops the sterilization cycle. It is also equipped with a safety valve with TUV certification (PED IV), the same installed on the class B autoclaves.

HYDRA 100 AUTOMATIC

THE MAIN QUALITY IS RELIABILITY!
Autoclave Hydra 100 is a Class N autoclave, is compliant with Directive 93/42/EEC on small steam sterilizers. Thanks to its reliability, speed, and less space is a good alternative to class B autoclaves for the sterilization of unwrapped solid instruments.

External size	L 250 – H 310 – W 385 mm.
Size of the sterilizing chamber	ø 220 – H 235 mm.
Sterilizing liquid	Distilled water
Absorbed power	1500 Watt
Voltage	220/230 V.
Capacity	9 Liters
Sterilizing temperature	125 °C
Sterilizing time	15 minutes
Operational pressure	1,3 – 1,6 bar
Weight	Net 13,3 kg. – Gross 17,5 kg.

BE SURE!

IN THIS CENTER ARE USED
STERILIZED INSTRUMENTS WITH AU
HYDRA 100



DISTILLER

EASY WATER



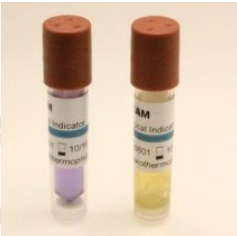
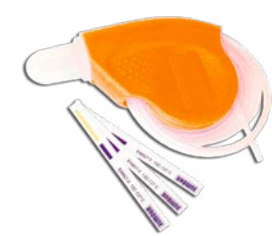
SPECIFICATIONS	
External size	ø 230 – H 370 mm.
Internal size	ø 180 – H 200 mm.
Capacity	4 L
Production of distilled water	1,5 L / h
Control of temperature	Electronic
Absorbed power	750 Watt
Voltage	230/240 V.
Weight	Net Kg. 3,5. Gross Kg. 4,5

The distiller ensures the production of excellent quality distilled water, thanks to a boiling procedure with forced condensation. Thanks to a high voltage resistance produces 4 liters of excellent distilled water in about 2 hours. The use will avoid the purchase and storage of bulky drums of distilled water, with a considerable saving of money and energy.

STERILIZATION CONTROL TEST

To give you a full service, our company can provide you with everything you need to carry out sterilization checks on our machines. The following types of test that are available are:

- **HELIX TEST**
- **B&D TEST**
- **TST TEST and PRIONE TEST class 6 or class 5**
- **BIOLOGICAL INDICATORS**
- **HOT AIR STERILIZER CONTROL TEST**



ULTRASONIC CLEANER

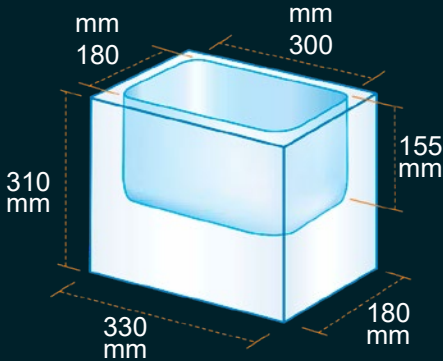


The ultrasonic cleaning is a modern, safe and rapid system to obtain in a short time a guarantee of deep cleaning. The main advantage consists in a perfect cleaning of the objects through the elimination of dirt, encrustations and contaminants among the most stubborn arranged in cavities that are difficult to reach manually.

The new ultrasonic cleaner **CYGNUS** is equipped with DEGASS and SWEEP technology SYSTEM which contain the best that can be requested from an ultrasonic cleaning device. Main features:

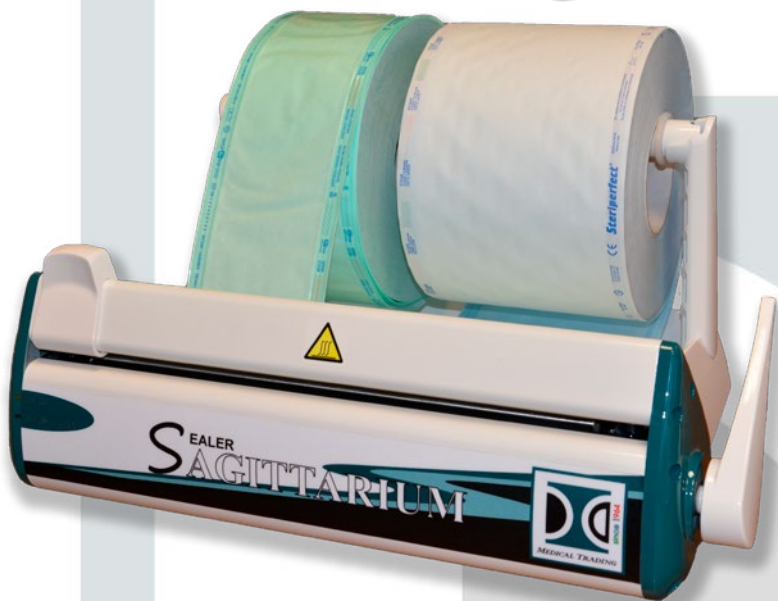
- **Capacity: 6 liters.**
- **Liquid discharge with integrated valve.**
- **Instrument basket and lid included**
- **Electronic temperature selection control.**
- **Electronic time selection control.**
- **Sweep zone control for a better distribution of cavitation over the whole tank.**
- **Degas command, for eliminating the gas present in the tank water.**

External size	L 330 – H 310 – W 180 mm.
Size of washing chamber	L 300 – H 150 – W 155 mm.
Sterilizing liquid	Distilled water
Absorbed power	150 Watt
Absorbed power with heating	300 Watt
Voltage	220/230 V.
Capacity	6 Liters
Cleaning temperature	0-80 °C
Cleaning time	1 - 99 min
Ultrasound frequency	40 khz ± 5%
Number of transducers	2
Weight	Net 6,5 kg. – Gross 7 kg.



SEALER

Sealer
SAGITTARIUM



SAGITTARIUM is the new electronic themosealer, a product of design, project to reduce the time of sealing and to monitor the quality of the weld. This new model is equipped with electronic card for the control and guarantee of maintenance of sterilization. The thermosealer Sagittarium are equipped with an **electronic control of sealing parameters** (time and temperature) and guarantee a **sealing band of 12 mm**, well exceeding the standards required by current regulations. The **sound and light** signals also provide information on the correct operating conditions of the heat sealer. Compact size, comfort, practicality and functionality come together in Sagittarium, if you choose to disconnect the **roll holder**, the machine takes up only 30 cm deep and can also be placed on small planes and shelves. The shell is produced in new resistant and recyclable material, it has an innovative design and is made with advanced materials and light.

TECHNICAL DATA	
Type of seal:	Constant heat
Welding height:	12 mm
Lenght of sealing bar:	320 mm
Roll holder width:	320 mm.
Cutting system:	Incorporated
Temperature	200±10 °C (Automatic control)
Warm-up time	under 2 minutes
Sealing time	3 seconds (Can be increased as needed)
Sealing information completed	Light and sound alerts
Dimension: L x H x W	365x245x310 mm.
Weight	Net 4,8 kg. - Gross 7,0 kg
Power	500 Watt
Voltage	230/240 V.
Frequency	50/60 Hz
Structure material	Steel / ABS injection

ROTARY SEALER

TAURUS^{rotary} sealer



TAURUS is new rotary sealer with **printing fuction** and **touchscreen display**. The use of this machine is simple and rational, just insert the bag with the tool on the special support of the sealer and the photocell automatically drags the envelope autonomously, sealing it and imprinting the packaging data. Using the comfortable and useful **touch screen** it is possible to adjust the usage parameters. It is also possible to **change the printing information**: Time and Date, Expired date, Batech number, Operator name, Autoclave identification number, Type of instrumetns, Company name, Sealer serial number, Total sealing counter, CE marks.

TECHNICAL DATA	
Type of seal:	Rotary sealer
Display	7" TFT graphic colour - Touchscreen
Printout	24-dot matrix, double lined, with special characters
Welding height:	12 mm
Sealed edge infinitely adjustable	0 – 40 mm
Sealing seam distance from pack content	>30 mm (DIN 58953-7:2003)
Sealing temperature max.	220 °C ± 1%(tolerance monitored)
Sealing speed	10 m/Min (monitored)
Contact pressure	80 - 120 N (monitored)
Warmup Time	40 seconds
Sealing information completed	Light and sound alerts
Dimension: LxWx H	560x260x220 mm.
Weight	Net 18 kg. - Gross 20,0 kg
Power	500 Watt
Voltage	230/240 V.
Frequency	50/60 Hz
Fuse	5A x 2

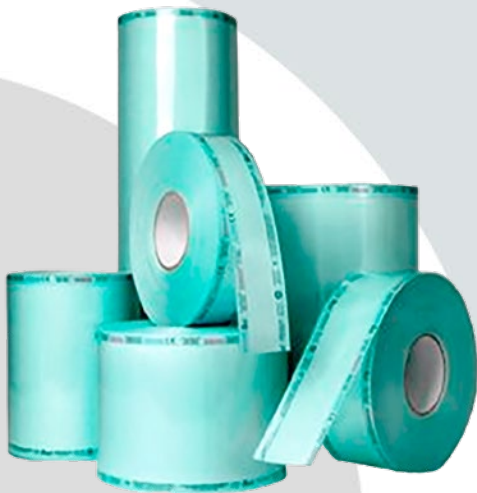
ROLLS AND POUCHES FOR STERILIZATION

Our products for STEAM, EO and FORM sterilization are made by a plastic medical use material called laminated transparent film coming from "corona treatment" polyester and peelable shutterless polypropylene and by kraft paper certified and studied to assure an high antibacterial protection for STEAM, EO and FORM medical sterilization.
The inks we use are certified ISO 11140, water based and non toxic with a clear change in color. Medical Device Class I

FLAT ROLLS

SIZES

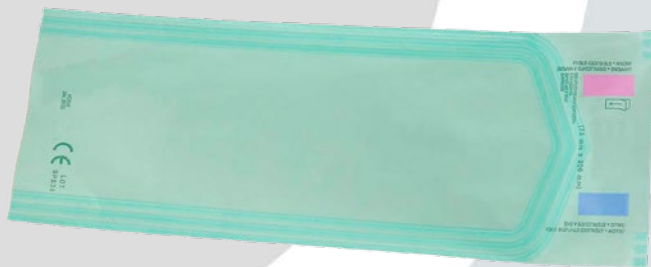
mm 50 × 200 mt	mm 75 × 100 mt
mm 75 × 200 mt	mm 100 × 100 mt
mm 100 × 200 mt	mm 120 × 100 mt
mm 120 × 200 mt	mm 150 × 100 mt
mm 150 × 200 mt	mm 200 × 100 mt
mm 200 × 200 mt	mm 250 × 100 mt
mm 250 × 200 mt	mm 300 × 100 mt
mm 300 × 200 mt	mm 350 × 100 mt
mm 350 × 200 mt	mm 400 × 100 mt
mm 400 × 200 mt	mm 500 × 100 mt



FLAT POUCHES

SIZES

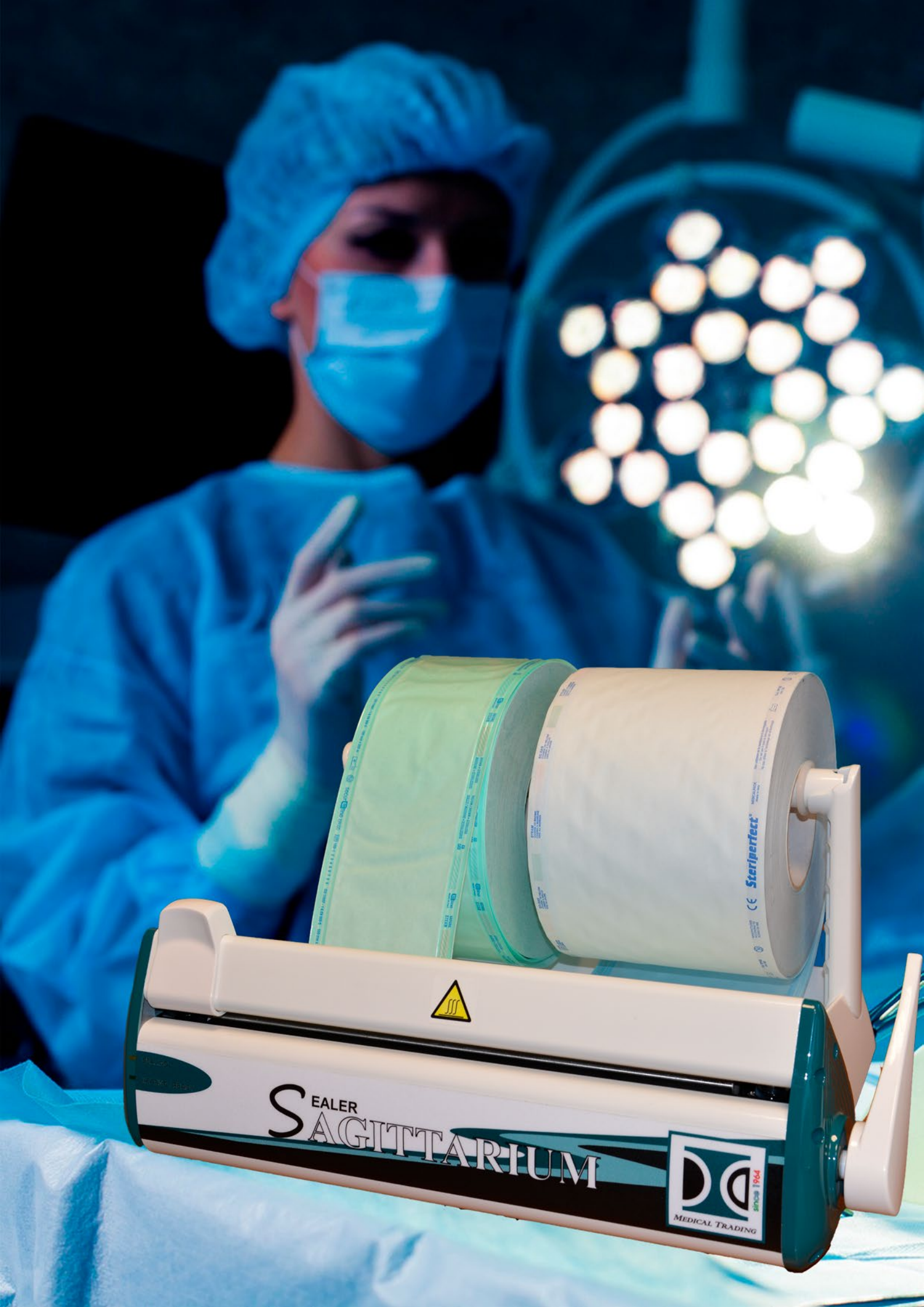
mm 50x250	mm 100x450
mm 75x150	mm 100x500
mm 75x200	mm 100x550
mm 75x250	mm 150x200
mm 75x300	mm 150x250
mm 75x400	mm 150x300
mm 100x150	mm 150x350
mm 100x200	mm 150x400
mm 100x250	mm 150x450
mm 100x300	mm 200x300
mm 100x350	mm 200x350
mm 100x400	mm 200x400



SELFSEALING POUCHES

SIZES

mm 60 × 110 (film length) 200 pcs box	mm 140 × 360 (paper length)
mm 60 × 140 (paper length)	mm 190 × 330 (film length) 200 pcs box
mm 90 × 230 (film length) 200 pcs box	mm 190 × 360 (paper length)
mm 90 × 260 (paper length)	mm 230 × 365 (film length) 100 pcs box
mm 90 × 330 (film length) 200 pcs box	mm 230 × 400 (paper length)
mm 90 × 360 (paper length)	mm 300 × 370 (film length) 200 pcs box
mm 140 × 250 (film length) 200 pcs box	mm 300 × 410 (paper length)
mm 140 × 295 (paper length)	mm 330x 440 (film length) 200 pcs carton
mm 140 × 330 (film length) 200 pcs box	mm 330x 470 (paper length)



HOT AIR STERILIZER HOT DRY 1,5 L.



The sterilizers of HOT DRY series use the principle of heat transfer. An armored electrical resistance allows the air, within the sterilization chamber, to reach a uniform temperature (that can range from 160 to 180°C), and comes into contact with tools allows a complete and effective sterilization.

The main feature of the HOT DRY is the reliability. The external walls are made entirely of steel, painted with epoxy powder, resistant to high temperatures and resistant over time. While the inner walls of the sterilization chamber are made of stainless steel 18/8 polished. A slab of glass fiber insulating ensures the insulation of the heat, keeping the temperature constant inside, and the external walls to ambient temperature, ensuring safety for the operator. The sterilization time depending on the set temperature for a temperature of 180 ° C, the sterilization time is 90 minutes. The line HOT DRY is suitable to sterilize all instruments resistant to high temperatures.

Specification	
External size	L 310 – H 190 – W 190 mm.
Size of the sterilizing chamber	L 245 – H 55 – W 115 mm.
Adjustable Thermostat	50 – 200 °C
Adjustable Timer	0 – 120 min.
Absorbed power	250 Watt
Voltage	230/240 V. or other voltage on request
Fuses	Type 6,3 x 32 – 2 A
Sterilizing temperature	150 – 180 °C
Capacity of the chamber	1,5 liters
Weight	Net 4,9 kg. – Gross 6 kg.

HOT AIR STERILIZER HOT DRY 7 - 22



The sterilizers of HOT DRY series use the principle of heat transfer. An armored electrical resistance allows the air, within the sterilization chamber, to reach a uniform temperature (that can range from 160 to 180°C), and comes into contact with tools allows a complete and effective sterilization.

The main feature of the HOT DRY is the reliability. The external walls are made entirely of steel, resistant to high temperatures and resistant over time. While the inner walls of the sterilization chamber are made of stainless steel 18/8 polished. A slab of glass fiber insulating ensures the insulation of the heat, keeping the temperature constant inside, and the external walls to ambient temperature, ensuring safety for the operator.

The line HOT DRY is suitable to sterilize all instruments resistant to high temperatures.

	Technical Data	
	HOT DRY 7	HOT DRY 22
External size	L 505– H 185 – W 325 mm.	L 440 – H 400 – W 340 mm.
Size of the sterilizing chamber	L 400 – H 75 – W 120 mm.	L 300 – H 260 – W 250 mm.
Capacity of the chamber	7 liters	22 liters
Adjustable Thermostat	50 – 200 °C	50 – 200 °C
Adjustable Timer	0 – 120 min.	0 – 120 min.
Absorbed power	600 Watt	600 Watt
Voltage	230 V. - 50 Hertz	230 V. - 50 Hertz
Fuses	F2A 5x20mm – 250V	4 A/F 5x20mm – 250V – L 35A
Sterilizing temperature	150 – 180 °C	150 – 180 °C
Thermostat	Adjustable with capillary 0-200°C +/- 6°C	Adjustable with capillary 0-200°C +/- 6°C
Timer	Mechanical type 0 ÷ 120 min.+ manual position	Mechanical type 0 ÷ 120 min.+ manual position
Weight	Net 7 kg. – Gross 9 kg	Net 10,5 kg. – Gross 13 kg.

PRODUCT CATALOG 2025



GUARISCO

MEDICAL STERILIZER S.R.L.

Via Antonio Vivaldi, 8 - 22071 Cadorago - COMO - ITALY

Tel: +39 031-4471313 - Fax: +39 031-4471762

info@medicaltrading.it

www.medicaltrading.it

WhatsApp [+39 031 4471313](https://wa.me/390314471313)

