



GUARISCO

MEDICAL STERILIZER

AUTOCLAVE

phoenix Blu LCD





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.

DIRECTIVE EN 13060



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**.

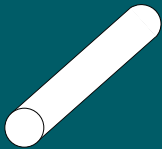
With these machines you can not sterilize hollow instruments, porous or wrapped.

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

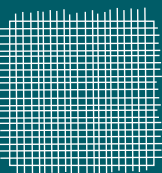
CLASS S - Specified by the manufacturer

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*.



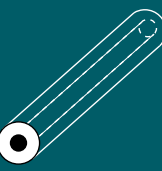
SOLID INSTRUMENT

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

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 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

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 15 μ s.



MEDICAL

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 power microprocessor of latest technology check the parameters 1 million per time any seconds and shows warning/error messages on the display 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, to obtain a total of 12 sterilization cycle. In this mode any cycle can be a **FAST CYCLE**.



SAFETY

Sterilization cycle parameters are constantly controlled by the latest generation microprocessor, which is fast powerful, to ensure that sterilization is effective and 100% safe for patients.

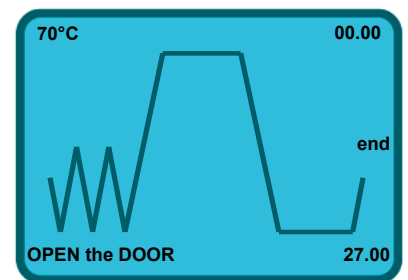


FUNCTIONAL

The exclusive LCD display is designed to be easy to clean thanks to the protective polycarbonate screen.



phoenix Blu



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 **automatic discharged directly into the used water tank**, so that the autoclave can continue to operate 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 is equipped with a **next-generation, ultra-rapid external STEAM GENERATOR** made in die-cast aluminum.

This advanced feature significantly reduces chamber filling times and shortens overall cycle durations. Most importantly, it instantly converts water into steam, preventing limestone buildup inside the system.

An efficient **WATER PUMP** (made in Italy) ensures precise water intake from the tank, automatically push it to the steam generator. This optimizes efficiency, saving both time and water.

Additionally, the integrated **generator cleaning cycle** removes any impurities, extending the lifespan of this essential 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 process 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.



AUTOMATIC SHOUT-OFF

At the end of the cycle, the autoclave will shut down automatically, allowing the door to be opened for the removal of sterile instruments. If the FAST button is not pressed, the system will enter stand-by mode to optimize energy efficiency.



SAFETY IN CASE OF INTERRUPTIONS

In the event of a power outage or cycle interruption, the normally open solenoid valve will activate, instantly releasing steam and ensuring the door can be opened safely.

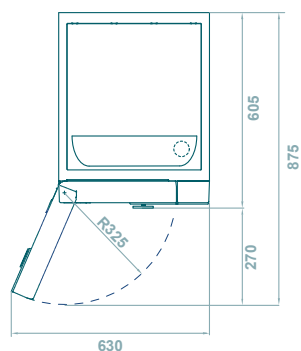
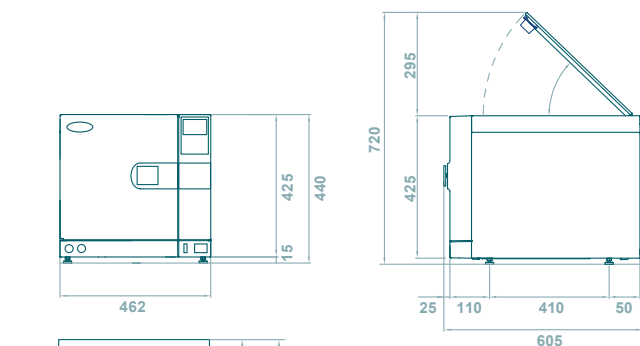
MEDICAL

phoenix Blu LCD PRINTER

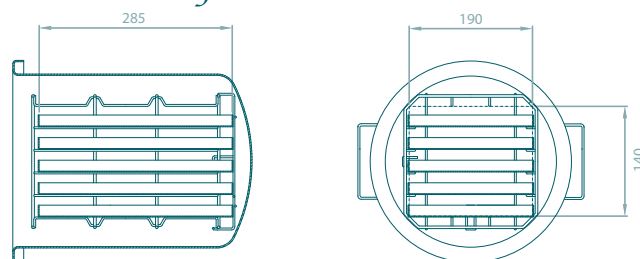


TECHNICAL DATA

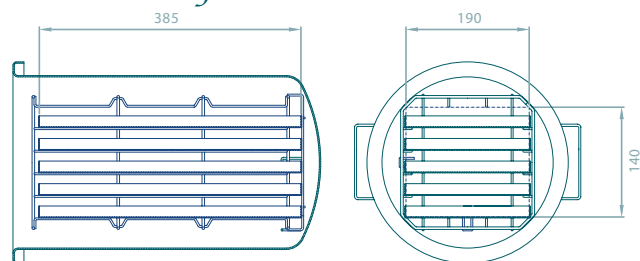
Model name:	<i>phoenix Blu</i> 18	<i>phoenix Blu</i> 24
Dimensione e volume:	462 x 445 x 600 mm (l x h x p)	
Weights (machine empty with basket)	Net: 46 Kg - Gross 51Kg	Net: 48 Kg - Gross 53Kg
Minimum depth of the support surface	500 mm	
Minimum width of the support surface	460 mm	
Minimum space for water loading	165 mm	
MAx weight on support area	2058 N/m2 - Load on each foot: 17,25 kg	
Voltage	230 V - 50/60 Hz	
Fuses	2 x 12FAL 250V.	
Power Cable	L. 2 m - 3 x 1,5 mm2 - Type F: Schüco	
Rated Power	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	
	Insulation: GLASS FIBER MATERIAL	
Basket and Trays (Up to 5 trays: 3 included)	STAINLESS STEEL WIRE	
	285 x 190 mm.	385 x 190 mm.
Side and back panel	PAINTED ALUMINUM	
Door cover and control panel	ABS PLASTIC - ANTICORROSIVE	
Water tank	Distilled water 4,6 litres Used water:5,0 litres	
	ABS - Anticorrosive	
Water consumption per cycle	0,15 / 0,30 l - 16 cycles	0,16 / 0,40 l - 13 cycles
Bacteriological filter	Diameter: ø 56 mm - Filtering capacity: 0.3 µm	
Integrated printer (optional)	Thermal paper - L: 57 mm.	
Operating range	Indoor use, maximum relative humidity 85% Maximum line-voltage deviation ±10% Installation category II, Pollution level 2	
Max noise level	+/- 50 dB	



phoenix Blu 18



phoenix Blu 24



TECHNICAL DATA

SECURITY DEVICE

- 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

COMPLIANCE TO EUROPEAN DIRECTIVES

- EN 13060
- EN ISO 14971
- EN 61010-1
- EN 61010-2-040
- EN 61326
- EN 13445

CERTIFICATION

- 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.	1,5 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.	14 min.	3,5 min.	10 min.	==
Drying Time	1-5-15 min.	1-5-15 min	1-5-15 min	1-5-15 min	1 min.	==	10 min
Total Time	19 min*	33 min*	16,5 min*	29 min*	14,5 min.	14 min.	30 min.

MAX LOAD	<i>phoenix Blu 18</i>	<i>phoenix Blu 24</i>
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.

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 ($<10 \mu\text{s}$) 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 ($<10 \mu\text{s}$) 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).



Model Name	<i>phoenix Blu</i> 12 - 18 - 24	<i>phoenix Blu</i> PRINTER 12 - 18 - 24	<i>phoenix Blu AWF</i> 18 - 24	<i>phoenix Blu PLUS+</i> 12 - 18 - 24	<i>phoenix Blu TOP</i> 12 - 18 - 24
CLASS B	●	●	●	●	●
LCD DISPLAY	●	●	●	●	●
LED DISPLAY	X	X	X	X	X
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.	X	X	●	●	●
AUTOMATIC WATER FILL. BY PUMP	X	X	●	X	X
OSMOSIS DEPUP. VERTI- CAL SYSTEM	X	X	X	●	X
OSMOSIS DEPURATOR ORIZONTAL SYSTEM	X	X	X	X	●

phoenix Blu LCD



GUARISCO


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