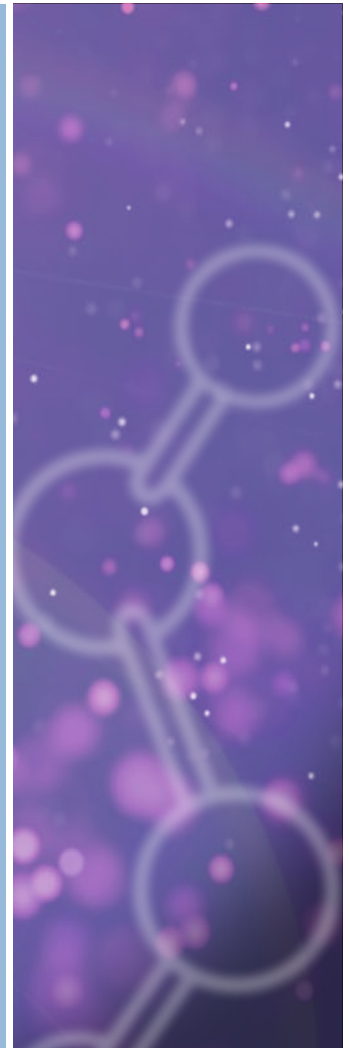


matachana
Infection Control



Low Temperature Hydrogen Peroxide
& Plasma sterilizer

Matachana 130HPO® & 50HPO®

●●● matachana

MATACHANA, specialists in low temperature



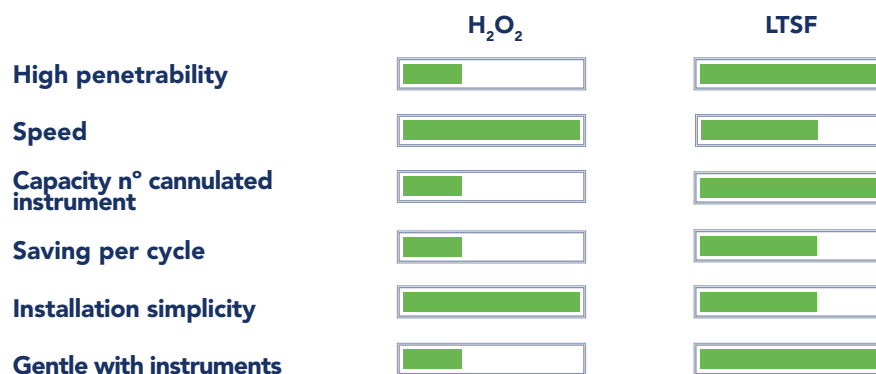
At MATACHANA GROUP, low temperature sterilization technology has a long history, parallel to the development of steam sterilization processes. Ethylene oxide and peracetic acid solutions were the forerunners in 1975. Then, Low Temperature Steam and Formaldehyde (LTSF) sterilization was the continuation of this process.

In 2016 MATACHANA launched its first hydrogen peroxide sterilizer, 130HPO® model

and in 2019, the HPO Series is extended with the compact 50HPO® model. In the same year we revolutionized LTSF technology with a new High Speed version.

In this way MATACHANA completes its range of low temperature sterilizers and consolidates its know-how and experience in this field, being the only manufacturer that has designed and manufactured all the existing systems in the market.

Comparing technologies:



130HPO® & 50HPO®: Safety, autonomy and user-friendly



SAFETY

The safety of patients, users and hospital staff has always been an essential requirement during the development of MATACHANA sterilization systems. The HPO Series is a clear example.



AUTONOMY

Objective: maximize the number of cycles, reduce the handling of the sterilizing agent (hydrogen peroxide), as well as extend its useful life.



USER-FRIENDLY

We have focused our task on the implementation of a user-oriented interface, as well as a simple and intuitive backlit front panel.

Low Temperature Hydrogen Peroxide & Plasma sterilizer
Matachana 130HPO® & 50HPO®

Two models to meet the needs of centers of all scales:

130HPO®: its 148-litre chamber, three differentiated cycles and speed make it the optimum solution for centers with a high work volume.

50HPO®: its 52-litre chamber, compact dimensions and mobile table mounting, combined with its minimal electrical requirements make it the perfect Plug & Play solution for smaller centers or as support equipment for large-scale centers.

Programs and applications of HPO sterilizers

The HPO Series of low temperature sterilizers performs three distinct cycles to meet all needs.

		🕒	130HPO®	50HPO®		
STERILIZATION PROGRAMS	 Rapid	¹ Non-lumened instruments with and without articulation.	² 27 min	9.5 kg	6 kg	 Non-lumened flexible endoscopes Cameras
	 Advanced	2 flexible endoscopes (1 and 2 channels) and non-lumened instruments.	² 38 min	10.5 kg	2.5 kg	 Ureteroscopes Cystoscopes
	 Standard	Up to 20 lumened rigid endoscopes and non-lumened instruments.	² 52 min	9.5 kg	6 kg	 Laryngoscopes Razors
TEST PROGRAMS	 VT	Vacuum test to prove the tightness of the sterilizer chamber.				

¹ All the instruments indicated in the Rapid program are also suitable for the Advanced and Standard programs, with the exception of da Vinci® optics.

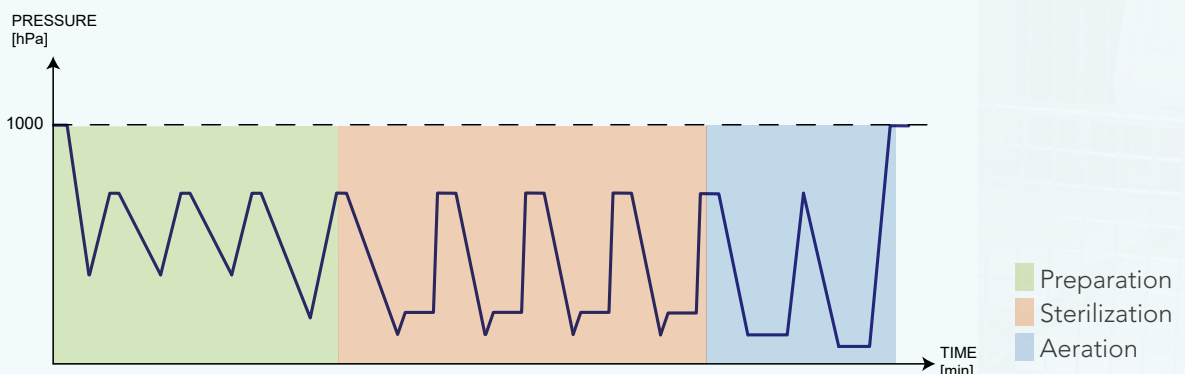
² Preparation phase between 6 and 8 minutes excluded.

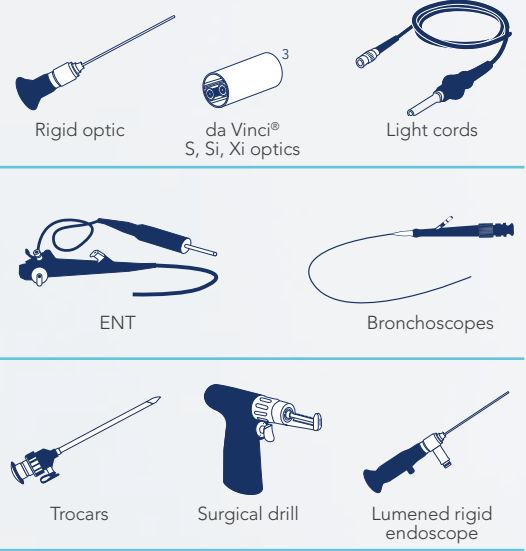
³ Compatible with 130HPO® only.

REDUCTION OF CYCLE CANCELLATIONS

The cycle profile of HPO sterilizers includes a "Preparation Phase" during which the load is conditioned and a diagnosis is made to confirm its suitability for effective sterilization.

If the conditions are not correct, the device will cancel the cycle before peroxide injection, saving time and sterilizing solution.





Compatibility Finder

MATACHANA provides users of HPO sterilization systems with a database that includes the compatibility of more than 7000 devices.

Low Temperature Hydrogen Peroxide & Plasma sterilizer
Matachana 130HPO® & 50HPO®

BluKat® the sterilizing solution container

BluKat® is presented in high-density polyethylene (HDPE) containers with great impact resistance.



USER-FRIENDLY

- Status light located on the front panel that provides instant information on the autonomy of the sterilizing solution:

■ SAFETY

- Innovative anti-spill and anti-drip design for safe handling.
- With **RFID** tag to ensure the traceability of the sterilizing solution and a shelf life control.

AUTONOMY

- A single **BluKat®** container allows up to **30 cycles** in the 50HPO® model and **18 cycles** in the 130HPO®.
- **30 days** expiry date inside the device, thanks to the **refrigerated compartment** that extends the life of the sterilizing solution, saving time and reducing handling.

PATENTED

18 months
expiry date!

With just one click you have access to extended **BluKat®** information: batch number and expiration date of the container, number of cycles and remaining validity days.





The sterilizer is equipped with an automatic opening drawer, located on the front panel, easily accessible for placing the **BluKat®**. The design of the container guarantees its correct positioning inside the drawer, avoiding manipulation errors.



Secure load release



VH202

As safety is first and foremost, the Chemical and Biological Indicators have been carefully studied to ensure a secure load release, always in compliance with the International Standards ISO11140-1 and ISO11138-1.



Biological Indicator

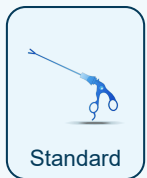
*Type 4 Indicator for packs and pouches



Biological Indicator

Type 4 Indicator for packs and pouches

*Type 2 Helix penetrability Indicator



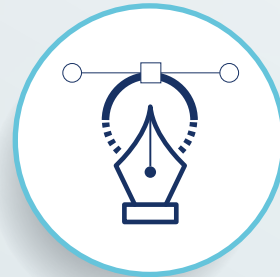
* Allows immediate load release in process quality.

A wide spectrum of advantages to cover all your needs



USER-FRIENDLY

- EasyRUN intuitive user interface.
- Status of the unit visible from a distance, thanks to the backlit front panel.
- Easy and quick learning by users.



DESIGN

- Modern and minimalist design to facilitate the cleaning process.



ERGONOMICS

- Extendable and removable shelves for ease and flexibility during the loading process.



PLUG & PLAY (50HPO®)

- Plug & Play mobility thanks to the integrated mobile support table. Minimum power and electrical requirements.



CONNECTIVITY & DOCUMENTATION

- Integrated thermal printer.
- High-capacity internal memory with track record of the last 1000 cycles.
- USB port for backing up the cycle track record.
- Ethernet port for connection to monitoring and traceability software.



SOLUTION SHELF LIFE

- **BluKat®** has the longest expiry date in the market reaching **18 months!**
- Properties of the sterilizing solution, guaranteed **30 days** inside the device thanks to the exclusive integrated refrigerating system.

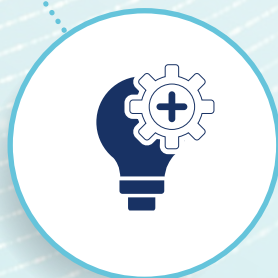


HPO SERIES



BluKat® AUTONOMY

- Up to **30 cycles** with one container in the 50HPO® model.
- Up to **18 cycles** with one container in the 13HPO® model.



EFFICIENCY

- Minimized cycle cancellation due to the functions below:
 - **Conditioning** of the load with elimination of residual humidity.
 - **Self-diagnosis** with confirmation of the load condition suitability and consequent saving of sterilizing solution, in case of cycle cancellation.

Low Temperature Hydrogen Peroxide & Plasma sterilizer
Matachana 130HPO® & 50HPO®

Technical specifications

HPO Series

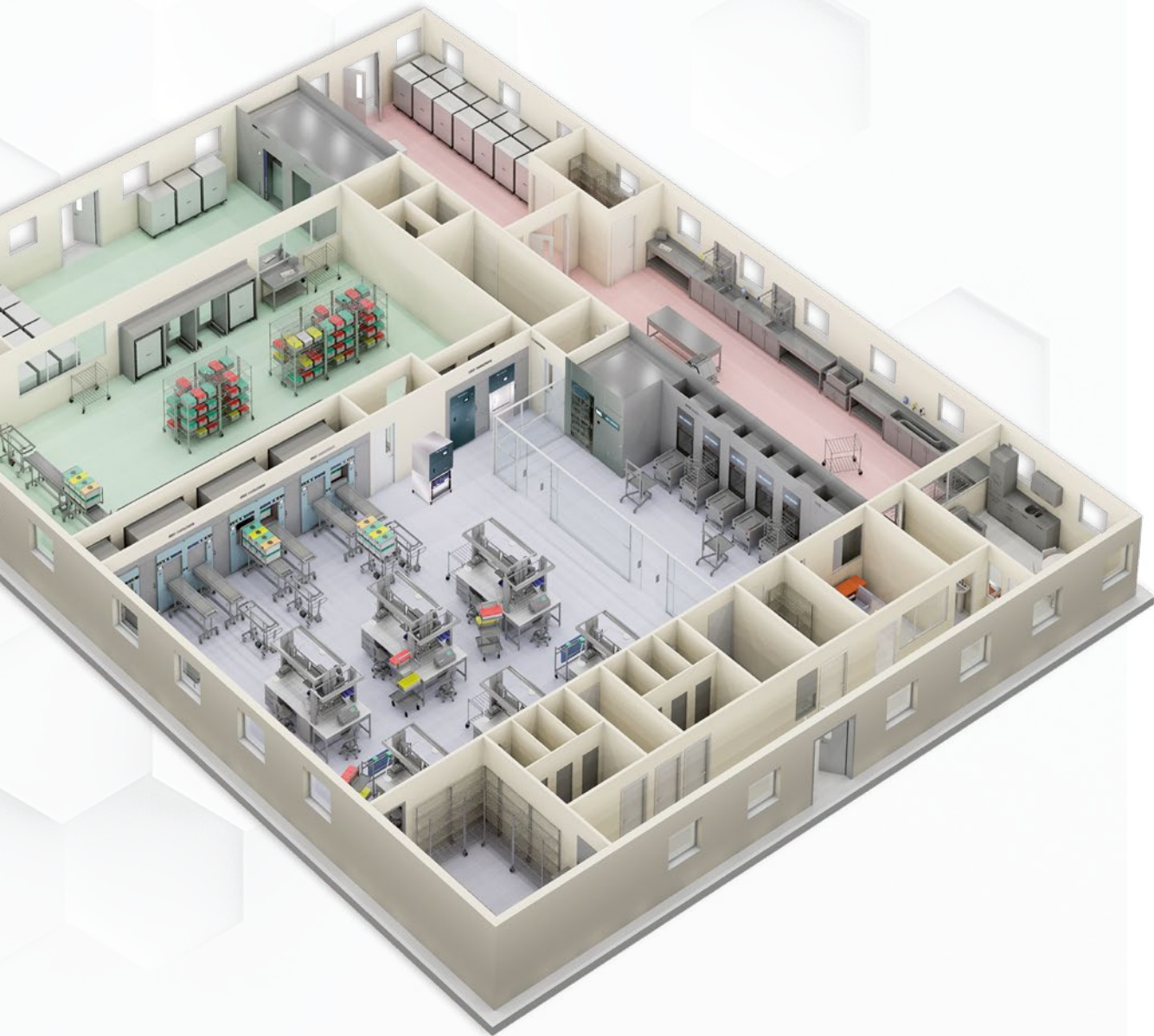


Technical specifications	50HPO®	130HPO®-1 1 door	130HPO®-2 2 doors
Overall dimensions (mm)			
Width	780	900	900
Height	1733	1864	1864
Depth	796	1099	1120
Usable chamber dimensions (mm)			
Width	302	335	335
Height	236	363	363
Depth	640	929	972
Chamber volume (liters)	52	143	148
Weight (kg)	*300	450	500
Power (kW)	2.2	6.5	
Power supply **	230 V~ + PE /50-60 Hz	400 V 3~ N PE /50-60 Hz	

* Includes support table

** Other voltages on request

MATACHANA integral solutions for sterile processing departments



Low Temperature Hydrogen Peroxide & Plasma sterilizer
Matachana 130HPO® & 50HPO®

Project briefing



Design



Installation



Training



Technical support



Innovation is the way forward

MATACHANA, a family-owned company founded in 1962, is a world leader in the manufacture of steam sterilization equipment, diverse low temperature sterilization technologies, as well as washing and thermoinfection equipment, providing comprehensive solutions for the Healthcare, Life Science and Pharma sectors.

Since the company's foundation more than 60 years ago, our mission has been to provide the best service, bringing our knowledge and field experience to our customers to facilitate their daily work, allowing them to be efficient in the production whereas keeping rigorously the quality.

MATACHANA has a worldwide presence, with offices based in Spain, France, Germany, Italy, Portugal and Indonesia, or through its distributors in over 120 countries.

We are aware that Training and Service contribute decisively to achieve customer satisfaction. For this reason, we have always invested in the development of these two areas of activity, which enables a direct contact with customers and help us to develop together a continuous improvement process.

Technical Engineering Support

An assistance provided by engineers, highly skilled expert technicians and support staff, all committed to ensure the proper equipment operation and condition.

MIEC, training center

As we feel seriously committed and liable for achieving the optimum operation from the MATACHANA equipment, we invest in the training of the future users, proposing a service of educational courses to all our customers on a regular basis and in the 5 continents.

Environmentally friendly

The company counts on 4 production sites in Europe. The devices are designed and manufactured using the latest technologies on the market to achieve the best results in terms of energy savings and reduction in water consumption. Our Production Center located in Castelldefels (Barcelona) complies with the ISO 14001.

Quality

The MATACHANA devices are developed, manufactured and tested within a strict quality control according to the international Standards ISO 9001 and EN ISO 13485 for the quality management of medical devices.