

●●● matachana
RBE



Steam Sterilizers
Matachana 2000 RBE

SBW Matachana sterilizers: sterilization at its maximum extent, even for infectious waste



Aware of the problems which hospitals and research centers are currently facing, MATACHANA has developed a system which integrates itself within the special biocontaminated waste circuit.

- Classification and collection of the waste in suitable receptacles at the places where it is generated.
- All processes specially studied and designed for the waste management in a totally safe and aseptic way.
- Transportation flow within the hospital and its treatment in the sterilizer have all been thoroughly studied to elaborate a system that is simple and easy to install.
- The sterilization process converts the special waste into urban grade waste.
- The post sterilization process reduces the volume of waste treated.

The high versatility and operational simplicity of the 2000 RBE turns into the ideal sterilizer to treat infectious healthcare waste in large production plants.

The MATACHANA Series 2000 RBE is a high production capacity sterilizer that comprises several models: chamber volume between 2090 and 5920 liters, one or two doors.



| Models | 2.1830LVR-1 | 2.1830LVR-2 | 2.3730LVR-1 | 2.3730LVR-2 | 2.6200LVR-1 | 2.6200LVR-2 |
|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Technical specifications | 1 door | 2 doors | 1 door | 2 doors | 1 door | 2 doors |
| Total dimensions (mm) | | | | | | |
| Width | 2390 | 2390 | 2390 | 2390 | 2390 | 2390 |
| Height, excluding filter (*) | 1950 | 1950 | 1950 | 1950 | 1950 | 1950 |
| Depth | 1880 | 1980 | 3330 | 3430 | 4670 | 4770 |
| Chamber Dimensions (mm) | | | | | | |
| Width | 960 | 960 | 960 | 960 | 960 | 960 |
| Height | 1440 | 1440 | 1440 | 1440 | 1440 | 1440 |
| Depth | 1520 | 1520 | 2920 | 2920 | 4300 | 4300 |
| Power (kW) | 5 | 5 | 7 | 7 | 13,5 | 13,5 |
| Chamber volume (liters) | 2090 | 2090 | 3164 | 3164 | 5920 | 5920 |
| Load capacity/cycle (kg) (**) | 165-275 | 165-275 | 330-550 | 330-550 | 495-825 | 495-825 |

(*) Overall sterilizer size, including removable HEPA filter: 2500 mm

(**) Capacity calculated according to waste density 15-25%

Features

- Continuous chamber and jacket made of high-quality stainless steel 1.4404 (AISI-316L).
- Automatic electromechanical drive and horizontal sliding doors with safety interlock.
- Control by industrial micro-computer and user friendly colour touch screen. Alphanumeric printer for cycle data recording.
- Stainless steel connection of steam pipes, 1.4404 (AISI-316L) quality.
- Mechanized door gasket groove (longer gasket lifespan and easy maintenance).
- Air treatment system through a self-sterilizing 0.2µm in-line filter and the condensates in the chamber.
- Water tank with cooling coil for recovering heat from condensates.
- Water consumption savings (when the external cooling system option is installed).
- Treatment of condensates outside the chamber, optional on 2000 RBE Series. Accumulator-Digester system.
- Autonomous generators with heating by means of electric heating elements, diesel or natural gas can be integrated in the installation (optional) as well as cooling systems that allow to increase the production and reduce the consumption of water of the equipment.



Service area of the sterilizer with vacuum system and condensate treatment outside the chamber. (Accumulator-Digester system, optional)



Condensate treatment inside the chamber

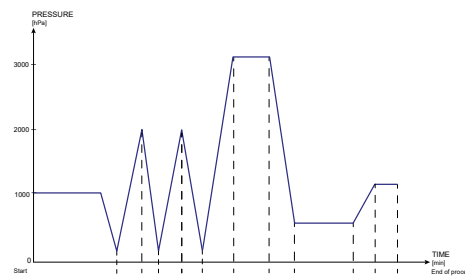


All the power of technology in sterilization

- Working with the sterilizer is very easy. The user operates from the touch screen. Starting from the Main Menu, the screen guides the user, through the Submenus, toward the operations required.
- The follow-up of the cycle can be carried out directly from the screen, given that it allows a graphic visualization of the process in "real time".
- The control unit can integrate the Teleservice option ("on line" remote maintenance).

Programs

- Test programs (Vacuum Test & Bowie & Dick Test)
- Programs specially designed for the treatment of healthcare waste at 134 °C: in accordance with configuration and load type.



Cycle profile of a sterilization program for devices with condensate treatment in chamber

Environmental Management



Our constant eagerness for the technological innovation aimed at the sustainability and improvements of our products has taken us to control minutely the life cycle of our devices as well as their environmental impact. Such a control has allowed us to improve the manufacturing process of our devices obtaining considerable energetic saving improvements with regards to previous series.



Innovation is the way forward

Since the company's foundation more than 50 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, United States, Argentina and Malaysia, or through its distributors in over 110 countries.

In MATACHANA 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 future users, proposing a service of educational courses to all our customers on a regular basis and in the 5 continents.

Environmentally friendly

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 Environmental Management System and ISO 50001 Energy Management.

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.

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