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Life Science

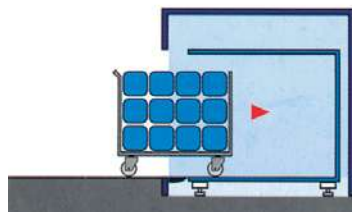


Steam sterilizers
Matachana 2000 I

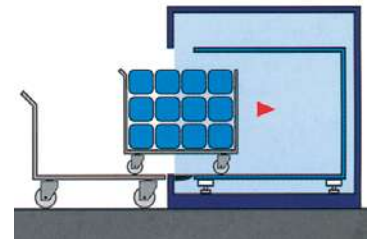
Features

MATACHANA has updated the design of its large capacity steam sterilizers, combining the latest developments technology can provide, with efficiency, safety, simplicity and user-friendliness. Sterilizers from Series 2000 I are built following the guidelines of international quality Standard ISO 9001. They are ideal for research centers, animal facilities, microbiology laboratories, BSL-2 and BSL-3 areas, including sterile material supply industries in general, which need to ensure speed and safety within its large volume sterilization processes.

- Chamber and doors made of high quality stainless steel 1.4404 (AISI 316L), jacket in stainless steel EN 1.4301 (AISI-304).
- Pneumatic automatic sliding horizontal door which enables to load the sterilizer from floor level or over floor skirting level, as appropriate, electrically operated.
- Vacuum system by means of ejector-venturi, silent and performant with water-saving solution (sterilizers up to 3 m³) or by liquid-ring pump (from 3 m³).
- Control system through two PLC (control and register) which ensures independent readings (temperature/pressure) in which all operations monitoring of the unit are centralized. Likewise the sterilizer incorporates a touch screen that enables easy and intuitive handling of it.
- Equipped with appropriate systems for viewing and printing parameters of process development.
- The following functions can be executed on the touch screen:
 - Doors opening and closing, start up and reset of the current cycle.
 - Monitoring the temperature, pressure and expected time for cycle completion. Viewing alarm, warnings and manipulation errors messages.
 - Indication of doors, alarms, current operating phase conditions, etc.
- Alphanumerical digital printer for "on site" cycle documented record.
- Vacuum test and B&D test programs.
- Sterilization programs for solid material, with adjustable temperature between 115 and 135 °C.
- Test connections for connecting temperature and pressure measuring equipment (validation).



Floor level sterilizer loading



Over floor skirting sterilizer loading

Models	2.1000LV-1I	2.1000LV-2I	2.1300LV-1I	2.1300LV-2I	2.1560LV-1I	2.1560LV-2I	2.2100LV-1I	2.2100LV-2I	2.3100LV-1I	2.3100LV-2I	2.6637LV-1I	2.6637LV-2I
Technical specifications	1 door	2 doors	1 door	2 doors	1 door	2 doors	1 door	2 doors	1 door	2 doors	1 door	2 doors
Chamber dimensions ^(*) (mm)												
Height	1440		1440		1440		1440		1440		2150	
Width	700		700		960		960		960		1260	
Depth	960		1264		1264		1520		2400		2450	
Total dimensions (mm)												
Height	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2860	2860
Width	1950	1950	1950	1950	2410	2410	2410	2410	2410	2410	3100	3100
Depth	1375	1490	1679	1794	1770	1770	2030	2030	2910	2910	3030	3030
Chamber volume (liters)	961	961	1265	1265	1747	1747	2101	2101	3318	3318	6637	6637
Power (kW)	5		5		5		7		7		18	

(*) MATACHANA offers the possibility to adapt the chamber's dimensions according to customer needs.

Options

- Sterilization programs for liquids in not-hermetically sealed containers, with adjustable temperature between 105 and 135 °C, as well as "Fo" value calculation.
- Low temperature programs, with adjustable temperature between 70 and 115 °C.
- Gravity program.
- Feed processing program.
- Air treatment system through a 0,2 μ self sterilizable filter condensate line and condensates treatment inside the chamber, for potentially biocontaminated areas and material (ex. BSL-2, BSL-3 zones, etc.).
- Air tightness of zones through a drawer type enclosure built entirely in stainless steel and independent pressurization of doors' seals.
- Graphic video-recorder for pressure and temperatures.
- Connecting to external cooling system with substantial water savings and reduced cycle time.
- Natural cooling or by jacket flooding + sterile air counter pressure for open liquids programs.
- 21 CFR part 11.
- Touch screen command at unloading side.
- EN 285 (applicable requirements).
- Other options: upon request.

All our sterilization equipment can be provided with options and accessories that allow maximum use of natural and energy resources (water, air, power energy, fuel and steam) with systems that enable the following connection to a distribution system by means of cool water ring from the center for recovery and cooling water vacuum system for a minimum water consumption and maximum performance of the vacuum system.

All the power of technology applied to sterilization

- Working with the sterilizer is very simple. The user operates the unit from the touch screen. From a Main Menu screen, the operator is guided through several Sub-menus, so as to perform the required operations.
- The cycle can be monitored directly from the screen, as it allows the graphical display of the process in "real time".
- The microcomputer is ready for Teleservice option ("on line" remote maintenance) and has access ports for PC connection.





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 thermodisinfection 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, Argentina 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 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.



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