



Small Steam Sterilizers

Matachana SNA500 I

Now available through STEQ America

The sterilizers are designed and manufactured using the latest technologies available in the market to achieve the best results in terms of energy savings and reducing water consumption. An example is the steam generator (in the devices fitted with it), which has an **integrated “smart” economizer system**. It is fully controlled by the sterilizer’s CPU, so that the right amount of steam for the program is produced, adapting to the needs of pressure and temperature of the program selected and run. It is specifically designed to let in the appropriate water volume in the generator and at the right time of the cycle to minimize the consumption of treated water and power of the generator.



Stainless steel front panel type 304

Features

- Chamber and jacket made of high quality stainless steel type 316L.
- Pneumatic sliding vertical door/s, built in stainless steel type 316L.
- Front panel, hinged door type to improve access for service and with rounded edges for easy cleaning.
- Chamber and steam pressure gauges on the loading area frontal.
- Chamber gauge on the unloading area frontal (2 door option).
- Vacuum system by means of ejector-venturi, silent with water-saving closed loop. (Option: Liquid Ring Vacuum Pump)
 - Saves water vs. traditional vacuum pump and other venturi systems
 - Lifetime guarantee, no moving parts
- Circuits in contact with steam made of stainless steel type 316L.
- Pneumatic Piston Valves.
- Control system through two PLC (control and register) which ensures independent readings (temperature/pressure).
- Equipped with appropriate systems for viewing and printing parameters of process development.
- Non-Proprietary Controls and Components.
- Automatic Start / Stop Feature.
- Alphanumerical digital printer for “on site” cycle documented record.
- Validation ports for temperature and pressure.
- Standard programs:
 - Vacuum test and B&D test programs.
 - Sterilization programs for solid material, with adjustable temperature between 239 and 275 °F (115 and 135 °C).
 - Sterilization programs for liquids in non-hermetically sealed containers, with adjustable temperature between 220 and 275 °F (105 and 135 °C), as well as “Fo” value calculation.
 - Gravity program.

Models	NA500V-1 NA500E-1		NA500V-2 NA500E-2		NA501V-1 NA501E-1		NA501V-2 NA501E-2		NA502V-1 NA502E-1		NA502V-2 NA502E-2	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
Technical specifications												
Chamber dimensions ^(*)												
Width	20	500	20	500	20	500	20	500	20	500	20	500
Height	20	500	20	500	20	500	20	500	20	500	20	500
Depth	27	675	27	675	40	1020	40	1020	51	1300	51	1300
Overall dimensions												
Width	35	900	35	900	35	900	35	900	35	900	35	900
Height	72	1824	72	1824	72	1824	72	1824	72	1824	72	1824
Depth	39	995	40	1009	53	1342	53	1355	64	1622	64	1635
	cu.ft	/	cu.ft	/	cu.ft	/	cu.ft	/	cu.ft	/	cu.ft	/
Chamber volume	6	167	6	167	9	252	9	252	11	321	11	321
Power (kW)												
Without steam generator (V models)	2		2		2		2		2		2	
With steam generator (E models)	21		21		21		21		21		21	

(*) MATACHANA offers the possibility to adapt the chamber’s dimensions according to customer needs. Find out more from STEQ America: info@steqamerica.com

Options

- Low temperature programs, with adjustable temperature between 158 and 219 °F (70 and 104 °C).
- Special Animal Feed Cycle for reducing the loss of proteins during the sterilization. The cycle also avoids the solidification of feed and minimize the humidity inside the bag during the process.
- 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.).
- Halogen gas leak tight cross contamination seals on double door units.
- Tri-Clamp Connections on all piping network to ease the services.
- Stainless steel orbital welded piping.
- VHP port connectors.
- 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).
- Special 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 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.





MATACHANA GROUP

Innovation is the way forward

Since our 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.

Our history has taken us from the beginnings in 1962 to the transformation in 2000 in MATACHANA GROUP, with its subsidiaries in Germany, France, USA, Argentina, Malaysia and China, as well as the collaboration of direct distributors in over 110 countries.

In MATACHANA GROUP 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 Assistance Service

A service of engineers, highly skilled expert technicians and support staff, all committed to ensure the proper equipment operation and condition.

Training Academy



Committed to the responsibility to obtain the optimum operation from our equipment, in MATACHANA GROUP we invest in the training of future users.

In addition, we offer training courses regularly in the 5 continents, providing this service to all our customers.

Environmentally friendly

The sterilizers 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 complies with the ISO 14001 Environmental Management System and ISO 50001 Energy Management Systems.

Quality

The MATACHANA devices are developed, manufactured and tested within a strict quality control according to the International Standard ISO 9001.

 **matachana** | **+50** YEARS | Experience that improves lives

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