



Bulk Steam Sterilizers
Matachana SNA2000 I
Now available through STEQ America

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 SNA2000 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 type 316L and jacket in stainless steel type 304 (Option: type 316L / 316TI Chamber and Jacket).
- Electric and automatic operated sliding horizontal door which enables the user to easily load the sterilizer in either floor or pit mounted configuration.
- Vacuum system by means of ejector-venturi, silent with water-saving solution. (Option: Liquid Ring Vacuum Pump)
 - Saves water vs. traditional vacuum pump and other venturi systems
 - Lifetime guarantee, no moving parts
- Circuits in contact with chamber made of stainless steel type 316L and those in contact with jacket made of stainless steel type 304.
- Pneumatic Piston Valves.
- Control system through two PLC (control and register) which ensures independent readings (temperature/pressure) in which all operations monitoring of the unit are centralized.
- 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.
- Test connections for temperature and pressure measuring equipment (validation).
- 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.



Floor level sterilizer loading



Over floor skirting sterilizer loading

Models	NA2.1000LV-1		NA2.1300LV-1		NA2.1560LV-1	
	NA2.1000LV-2		NA2.1300LV-2		NA2.1560LV-2	
Technical specifications	in	mm	in	mm	in	mm
Chamber dimensions ^(*)						
Width	27	700	27	700	38	960
Height	57	1440	57	1440	57	1440
Depth	38	960	50	1264	50	1264
Overall dimensions						
Width	71	1800	71	1800	95	2410
Height	84	2120	84	2120	84	2120
Depth - LV-1 (1 door)	52	1310	63	1610	63	1610
Depth - LV-2 (2 doors)	58	1470	70	1770	70	1770
	cu.ft	/	cu.ft	/	cu.ft	/
Chamber volume	34	961	45	1265	61	1739
Power (kW)	5		5		5	

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

Options

- Low temperature programs, with adjustable temperature between 158 and 219 °F (70 and 104 °C).
- Special 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.



NA2.2100LV-1 NA2.2100LV-2		NA2.3100LV-1 NA2.3100LV-2		NA2.4660LV-1 NA2.4660LV-2		NA2.6200LV-1 NA2.6200LV-2		NA2.4524LV-1 NA2.4524LV-2		NA2.4960LV-1 NA2.4960LV-2		NA2.5150LV-1 NA2.5150LV-2		NA2.5900LV-1 NA2.5900LV-2		NA2.6637LV-1 NA2.6637LV-2	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
38	960	38	960	38	960	38	960	49	1260	43	1100	49	1260	49	1260	49	1260
57	1440	57	1440	57	1440	57	1440	85	2150	81	2050	85	2150	85	2150	85	2150
60	1520	94	2400	131	3340	169	4300	66	1670	86	2200	75	1900	86	2185	96	2450
95	2410	95	2410	95	2410	95	2410	122	3100	122	3100	122	3100	122	3100	122	3100
84	2120	84	2120	84	2120	84	2120	113	2860	108	2750	113	2860	113	2860	113	2860
75	1870	108	2750	145	3690	183	4650	83	2110	104	2640	90	2300	100	2550	114	2890
80	2030	115	2910	152	3850	189	4810	89	2255	120	3048	97	2450	106	2700	120	3040
cu.ft	/	cu.ft	/	cu.ft	/	cu.ft	/	cu.ft	/	cu.ft	/	cu.ft	/	cu.ft	/	cu.ft	/
74	2091	117	3301	162	4590	209	5914	159	4512	175	4946	181	5134	208	5904	234	6620
7		7		15		15		15		15		15		15		15	



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.

