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SENOH

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Medical Sense of Control Equipment

医用感控设备

SENOH

LIANYUNGANG SENOH MEDICAL EQUIPMENT CO,.LTD.

Lianyungang SENOH Medical Equipment Co., Ltd. is located at eastern bridgehead of the Eurasia Land Bridge and in the coastal city with beautiful scenery, Lianyungang.

Founded in 1995, it owns the advanced technologies from Japan Sakura SEIKI Co., Ltd. and Japan Chiyoda Manufacturing Factory and is a company specializing in production of sterilization and disinfection equipment. The company has established the medical equipment research institution with advanced level in China. The various products manufactured by the Company are ideal ones for liquid sterilization and disinfection in each hospital and such fields as food processing, flexible package and pharmaceutical industry. The products satisfy the requirements of GMP inspection and their technology achieves the advanced level internationally. They have the advantages of thorough sterilization and disinfection, energy conservation, easy and simple operation, high work efficiency and so on and are famous for their advanced technology, complete functions, long service life and satisfactory after-sale service.

The Company has won the honor of excellent products at provincial and ministerial levels successively for its series sterilizers. In 1998, the Company won three honors with its products including "having a brand with the No.1 market share for sterilization and disinfection equipment in the medical equipment industry in China", "having a brand with No.1 quality satisfaction degree for sterilization and disinfection equipment in the medical equipment industry" as well as "being excellent products for sterilizing equipment used in hospitals in China". In February 1999, it passed the "ISO9002 International Quality System Certification" organized by CQM. In addition, it won the title "one of top ten enterprises with product quality satisfaction and after-sale service satisfaction in pharmaceutical machinery industry of China" from 1999 to 2002. In 2001, it was rated as an enterprise with credit rating of AAA by Corporate Credit Rating Committee of China Construction Bank, Jiangsu Branch. Moreover, in 2002, it passed the certification respectively from American Society of Mechanical Engineers (ASME) and CE certification of EU in 2002, and it was also honored with the title of "High and new tech enterprise in Jiangsu Province" and was listed in key enterprises in State Torch Program of China.

SENOH Medical Equipment Company has won the trust of customers with its standard quality and safety system, and will try our best to create an aseptic space.

SCM SERIES FRACTIONATE VACUUM STEAM STERILIZER

SCM Series Steam Sterilizer(Motorized Door)
Top quality modular stainless steel construction.
Solid, cold-proof stainless steel chamber and jacket(made to order).
Automated motor operated door. Door slides vertically upward to lock.
Hands-free convenience. Automated load and unloading available as option (made by order).
Reliable, high-efficient vacuum system.
Meet all pressure vessel standards

Water saving system, low product costs.
Superior capacity-to-space ratio.
Environment-friendly operation.
Siemens CPU226 control system.
Outstanding flexibility and operating smoothly.
Safe, efficient performance , year after year.

Parameters

TYPE	SCM-D(J)SA(0.4)	SCM-D(J)SA(0.6)	SCM-D(J)SA(0.8)	SCM-D(J)SA(1.2)	SCM-D(J)SA(1.5)
Design pressure	0.23MPa	0.23Mpa	0.23Mpa	0.23Mpa	0.23Mpa
Design temperature	136℃(programmable)	136℃(programmable)	136℃(programmable)	136℃(programmable)	136℃(programmable)
Power of electromotor	380V/50HZ,3Ph,4KW	380V/50HZ,3Ph,4KW	380V/50HZ,3Ph,4KW	380V/50HZ,3Ph,4KW	380V/50HZ,3Ph,4KW
Power of control	220W/50Hz,0.5KW	220W/50Hz,0.5KW	220W/50Hz,0.5KW	220W/50Hz,0.5KW	220W/50Hz,0.5KW
Overall size	1340×1250×1950mm	1435×1364×1835mm	1785×1264×1578mm	1840×1380×1894mm	2275×1365×1894mm
Chamber size	1026×560×660mm	1080×610×815mm	1420mm×610×915mm	1500×750×1050mm	1950×750×1050mm
N.W	1500Kg	1660Kg	1840Kg	2540Kg	3540Kg
Time	About 30 min	About 30 min	About 30 min	About 30 min	About 30 min
Steam pressure	0.3-0.6MPa	0.3-0.6MPa	0.3-0.6MPa	0.3-0.6MPa	0.3-0.6MPa
Wastage of steam	20Kg	24Kg	32Kg	40Kg	50Kg
Hydraulic pressure	0.15-0.30MPa	0.15-0.30MPa	0.15-0.30MPa	0.15-0.30MPa	0.15-0.30MPa
Wastage of water	220Kg	220Kg	240Kg	320Kg	400Kg

SCM SERIES FRACTIONATE VACUUM STEAM STERILIZER

Horizontal-sliding Door Fractionate Vacuum Steam Sterilizer:

1)Safety: with double interlocking door device. When the pressure in the chamber of the autoclave is more than 0.027Mpa, the door will be locked and can not be opened, which guarantees operator's personal security.

2)Reliability: compiled with ISO9001:2000 and CE certification; compiled with special standard of EU medical equipment quality assurance system: EN46001:1996&ISO 13485:1996.

3)Advancement: imported technology, manufacturing equipment and materials for the design and manufacturing of the sterilizer.

4)Comfortability: 10 inch color touch panel, which dynamically shows the working parameters, like temperature, pressure, time etc.; SIMENS PLC controller, which controls the whole process automatically. Besides, the horizontal-sliding door reduces the labor intensity greatly for the operator, which makes the operation more convenient.

Connecting joints can be reserved for Quality Tracing System.

Built out steam generator can be selected.

Main technical parameters

Technical Parameters / Model	Overall Dimensions (L×W×Hmm)	Chamber Dimensions (L×W×Hmm)	Cubage (m3)	Steam Consumption (kg/h)	Water Consumption (kg)	Power Supply (kw)	N.W. (kg/ set)
SCM-D(JA(1.2)	1596×1360×1966	1250×660×1450	1.2	50	280	5	2500
SCM-D(JA(1.5)	1846×1360×1966	1500×660×1450	1.5	50	280	5	3000
SCM-D(JSA(1.2)	1596×1360×1966	1250×660×1450	1.2	50	280	5	2500
SCM-D(JSA(1.5)	1846×1360×1966	1500×660×1450	1.5	50	280	5	3000
SCM-D(JSA(1.2)	1933×1960×1882	1500×680×1180	1.2	50	280	5	2500
SCM-D(JSA(1.5)	1933×2280×1882	1870×680×1180	1.5	50	280	5	3200

MG SERIES FRACTIONATE VACUUM STEAM STERILIZER (MANUAL TYPE)

MG SERIES STEAM STERILIZER (MANUAL DOOR)

This is the internationally advanced fractionate vacuum sterilization machine. It is mainly served in hospital operation room and scientific institute, and it can be lifted by escalator. It employs the SIEMENS control system and the internationally advanced three-direction motor valve to complete the automatic sterilization process, it can safely and effectively sterilize the operation utensil and wrap-up package.

FEATURE

Top quality modular stainless steel construction. Solid, acid-proof stainless chamber and jacket (made to order).

Automated motor operated door. Door slides vertically upward to lock.

Hands-free convonienoe. Automated load and unloading available at option.

Reliable, high-efficient vacuum system.

Meet all pressure vessel standards.

Superior capacity-to-space ratio,

Siemens CPU228 control system.

Safe, efficient performance, year after year.

Water saving system, low product costs.

Environment friendly operation.

Outstanding flexibility and operating smoothly

Main technical parameters

Technical Parameters / Model	Overall Dimensions (L×W×Hmm)	Chamber Dimensions (L×W×Hmm)	Cubage (m3)	Steam Consumption (kg/h)	Water Consumption (kg)	Power Supply (kw)	N.W. (kg/ set)
MG-0.28ASS	1660× 754 ×1755	1240×450×500	0.28	20	150	2	750
DMG-0.28ASS	1660× 754 ×1755	1240×450×500	0.28	0	150	2	800
MG-0.6ASS	1666×1335×1855	1356×680×680	0.6	30	210	5	1810
DMG-0.6ASS	1666×1335×1855	1356×680×680	0.6	0	210	5	1880
MG-1.2ASS	1898×1430×1855	1590×750×1060	1.2	40	280	5	2470
DMG-1.2ASS	1898×1430×1855	1590×750×1060	1.2	0	280	5	2520

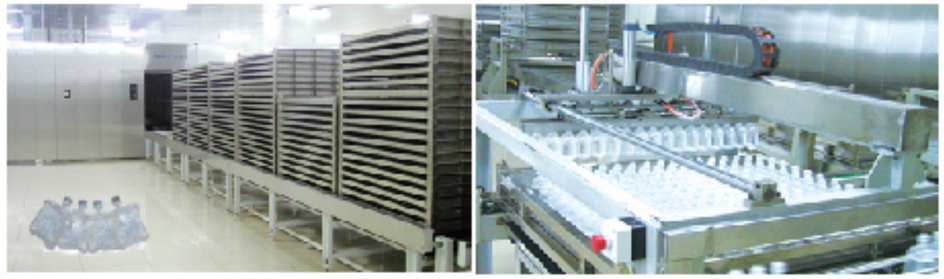
FULL AUTOMATIC CLEANING & STERILIZING MACHINE

Full Automatic Cleaning & Sterilizing Machine is a new kind of equipment developed according to the procedures specified by related standards for cleaning and sterilizing operations. Using wash solution prepared with soft water and rinsing agent, it performs spraying cleaning of the articles in the inner dolly and then high-temperature sterilization at 93[], thoroughly removing pathogenic bacterium while clearing away the dirt and bloodstains from the surfaces of medical instruments. Then the machine also dries the washed articles in the cleaning compartment via the built-in drying system so that what you finally get are dry, clean articles.

This cleaning and sterilizing machine is suitable for hospital operating rooms, equipment rooms and supply rooms where quick washing and sterilization are required. Additionally, it can be used in township and community clinics, health departments, epidemic prevention organizations and scientific research institutions as well.

Main technical parameters

Technical Parameters / Model	Overall Dimensions (LxWxHmm)	Internal Dimensions of Cleaning Tank (LxWxHmm)	Cubage (m3)	Water Consumption (kg)	Heating Power (kw)	N.W. (kg/台set)
ZQ-226	636 × 650 ×1850	636×580×615	226	20	7	180
ZQ-226A	636 × 650 ×1850	636×580×615	226	20	16	180
ZQ-480	900 ×1200×1800	680×710×890	480	50	15	450
ZQ-480A	900 ×1200×1800	680×710×890	480	50	36	450



CASCADE STERILIZER

SENOH circulating water sterilizers are designed primarily for sterilizing large volumes of fluids in sealed glass or plastic containers. The pump and pipeline make the units use heated re-circulated water as the heat transfer medium. Which provides efficient product throughput.

A Closed System

The sterlization process utilizes a closed water system. The main benefit of using water as the heat transfer medium is that the process sterilizes the water along with the product and therefore presents no hazard to the product. Any suttubia type of water may be used. Including demineralized, distilled.

Good Heat Transfer

A high capacity pump rapidly sprays the water over the product to create an even and continues temperature gradient. High water flow rates also ensure that uniform temperature distrituion is maintained throughout the chamber during the sterizatian phase. Distortion or damage to plastic containers is prevented by controlling filtered (through a bacteria-retentive filer) air over-pressure during the process.

Optimized Cooling

External heat exchangers are used to indirectly cool the circulating water after completion of the sterilization phase. Precise control of the cooling rate and the safe handing temperature necessary for the product is easily achieved with the use of the system.

FEATURES

Flexible design and installation,

Numerous design options and modes of installation contribute further to SENOH`s reputation as a flexible and innovative supplier. These features include;

Single door or pass through modes

Dual sequencing controls at both ends of a pass through model with master control panels if required

The service area on either side of the chamber

Steam supply from a bull in generator or external steam source for smaller and medium sized models

Cross contamination(SPF, Biological) seals

Sterilizers mounted in either a cabinet, recessed between two walls, or recessed in a cabinet within one wall

Models which can be installed directly on a floor for loading with carts and transfer trolleys, or pit mounted models for smooth walk-in, walk out handing

Vorsatile program packages.

A variety of program combinations for sterilizing different items are available.

CASCADE STERILIZER (FOR AMPOULE)

Good Heat Transfer

A high capacity pump rapidly sprays the water over the product to create an even and continuous temperature gradient. High water flow rates also ensure that uniform temperature distribution is maintained throughout the chamber during the sterilization phase. Distortion or damage to plastic containers is prevented by controlling filtered (through a bacteria-retentive filter) air over-pressure during the process.

Optimized Cooling

External heat exchangers are used to indirectly cool the circulating water after completion of the sterilization phase. Precise control of the cooling rate and the safe handing temperature necessary for the product is easily achieved with the use of the system

Hot Cracking Inspection

The cascade sterilizer designed with a hot cracking inspection system. The bottle will be tested by this system. And you can pick the broken bottle out easily.

A specialized equipment for aferilization, leak-hunting cleaning on ampoule.

The leak hunting be done by means or both negative pressure and entering color water with an efficiency of 100%.

Cleaning water saving system in the terms of second cleaning for color water leak-hunting.

ETHYLENE OXIDE STERILIZER(FOR STERILIZER ONLY)

1) The EO gas and relative consumable are sufficient enough and a complete supplying system is available.

2) Double cycle design and combining sterilization with gas filling. The loading capacity can reach 95%. Besides, 100% purified EO gas is filled in one-off specific aluminum tank. The pressure in the chamber is always in negative pressure to ensure that no EO gas can leak.

3) Safe monitoring function. Alarm immediately when gas is leaking from the chamber .

4) With door interlocking device. When gas exhausting, purification and gas filling have been done, the door lock is relieved automatically and the door can be opened.

5) With automatic memory function. When power is off, the sterilization process can be stored. The machine can continue working when power is on. It is not necessary to restart the machine.

6) High resolution printer. Three printing patterns are available: graph, parameters and digitization. Sterilization parameters can be recorded in real-time.

7) Imported temperature sensor from Sweden. It can monitor the temperature automatically to ensure the temperature in the chamber can not be lower than the rated temperature. The sterilization temperature can be 55℃ or 37℃.

8) Automatic design and compute control. If faults come up, it will stop immediately and alarms. All the information can be printed and recorded.

Main technical parameters

Model / Technical Parameters	Overall Dimensions (LxWxHmm)	Chamber Dimensions (LxWxHmm)	Cubage (m3)	Steam Consumption (kg/h)	Water Consumption (kg)	Power Supply (kw)	N.W. (kg/ set)
EO-0.28	1455×754×1755	1240×450×500	0.28	120	60+100	4	750
EO-0.4	1245 x 1310 x 820	800×610×915	0.4	150	80+100	4	850
EO-0.6	1640 x 1310 x 820	1060×610×915	0.6	150	100+100	4	1200
EO-0.8	2380 x 1310 x 820	1120×610×915	0.8	150	150+100	4	1600

SENOH

SDM SERIES LOW TEMPERATURE PLASMA STERILIZER

Saving apparatus costs: Sterilizing technique has no damage on apparatus, prolonging service life of apparatus and reducing maintenance costs; rapid sterilizing capacity may improve turnover speed of apparatus, thus reducing the quantity of standby apparatus.

Simple and convenient operation: Humanity design-the human-machine interface with strong affinity displays the overall process parameters; the loading and operating modes are flexible and free to change. Users can skillfully operate the complete set of system only after receiving simple training.

Intelligent storage and printing: It is equipped with an intelligent mass storage device, which can record and print the important parameters in real time, bringing convenience to maintenance personnel's record and detection.

Safety and environmental protection: low temperature vacuum sterilizing technique is adopted, without such potential risks as high temperature and high pressure; not any harmful substances are generated and discharged when in use; the intelligent early warning and correction system greatly improves the success rate of sterilization; the perfect and gentle sterilizing technique is free of damage on apparatus; the product is designed with novel and reasonable material consumption, with safe and convenient use.

Convenient installation: It is connected to single-phase power supply without any external pipeline or ventilating and processing system; it has the smallest external dimension among the same-level products, occupying small space; its bottom is installed with universal casters, which is convenient to move. It has low requirements on installation environment and installation tools.

Speeding up apparatus turnover: It has the rapidest and most efficient sterilizing capacity among the products with same specifications. Upon completion of sterilization, the apparatus may be put into use immediately, thus significantly improving the turnover speed of apparatus.

Innovative science and technology:with the most advanced double-door sterilizing system in the world as a basic model,the product has excellent stability and balance owing to adopting international advanced technology and introducing lots of optimum designs; application of lots of far-sighted technologies easily realizes such advanced functions as intelligent monitoring, remote maintenance, system upgrading and function extension. Thus, it is characterized by more reasonable configuration, more convenient use and faster and more efficient sterilization, and is more suitable to China's actual conditions.

Hospital Sterilization and Supply Center,CSSD

QUALIFICATIONS