



STEAM STERILIZERS

Designer and manufacturer of Industrial
Ethylene Oxide and Steam Sterilizers

www.mds-france.com



COMPANY PROFILE

Thanks to its 15 years experience in engineering of medical device sterilizers, MDS company has been dedicated to offer sterilization solutions, process optimization and associated services.

We are working in partnership with our customers. By this way, we become a trusted and advising supplier. Through this relationship, our customers are able to see the way we work and demonstrates our ability to execute worldwide.

We design and manufacture Ethylene Oxide and Steam sterilizers, their related equipment and accessories for medical device manufacturers and sterilization service providers.

MDS offers a long experience in the field of industrial sterilization processes and proposes state-of-the-art, safe solutions either for single piece of equipment or turnkey plants.

Our manufacturing workshop and warehouse employs highly qualified staff working on the most efficient welding machines.

Our experience in medical and pharmaceutical industries allows us to offer to our customers turnkey solutions according to their requirements.

MDS is recognized for its availability and flexibility of its maintenance services.



Management System
ISO 9001:2015
www.tuv.com
ID: 9110603581

OUR ASSETS

Reactive & Flexible

- Human size company
- Team Spirit
- Communication

Design and manufacture control

- Integrated Designer
- Integrated manufacturing workshop
- Expertise in control system

Adapted solution to customer needs

- Safe, reliable and easy to use equipment
- Human safety
- Environment respect

Qualification and after sales services

- European standards compliance
- Customer satisfaction
- Respect of our engagement

CUSTOM MADE STEAM STERILIZERS

Steam sterilisation is a widely used non-toxic sterilisation technology that works by exposing your products to pressurized steam at high temperatures in order to kill any germs. Mainly used in hospitals and labs, our autoclaves are destined to pharmaceutical companies or medical devices manufacturers

Our steam sterilizers are fully built in stainless steel (DIN1.4404-316L), single or double sliding doors. Depending on the process, the chamber's design may be rectangular with steam heating/cooling jacket for the sterilization of stainless steel parts, filters, liquids with pure steam or cylindrical with internal heat exchangers for the sterilization of prefilled syringes and bags by using air and steam mixed by internal blowers and baffle plates.

All the components and functions of the sterilizer are controlled by a programmable logic controller (PLC) connected to a "human machine interface" HMI, or supervision computer. Our programs and supervision interfaces are fully documented and answer the 21 CFR Part 11 and GAMP requirements.

BENEFITS OF STEAM STERILIZATION



Steam sterilization has many benefits as a sterilization method in healthcare facilities including low cost, safety, and efficiency. When this process using heat and moisture is applicable on the products to be sterilized, the productivity of a steam sterilizers is a real advantage over other forms of sterilization. Medical devices that can be processed in a steam sterilizer include surgical instruments, implantable medical devices and surgical linens.

Our experience in medical and pharmaceutical industries allows us to offer to our customers turnkey solutions according to their requirements.

Working for human health require to be strictly in line with international standards. Our equipment are safe, reliable, environmental and user friendly.

MDS is recognized for its availability and flexibility of its maintenance services.

HIGH QUALITY MATERIALS

Designed and manufactured in France.
Fully made of stainless steel 316L:

- Rectangular or Cylindrical stainless steel chamber
- Single or double door
- Heat Insulation and stainless steel cladding
- Compliance with: EN285, ISO 17665

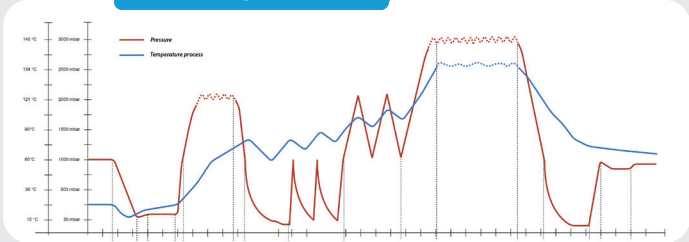
PROCESS

- GMP design
- Adjustable cycles through parameters
- High performance water ring vacuum pump
- Integrated Pure steam generator
- Easy to use HMI
- Supervision for cycle report (21 CFR Part 11)

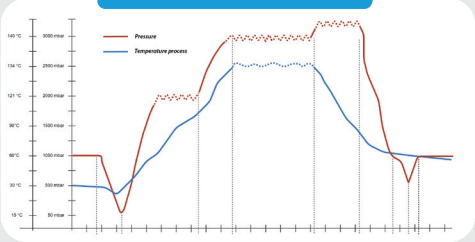
CYCLES



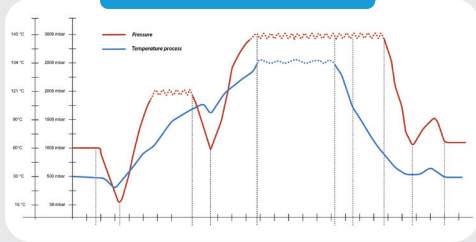
Solid Cycle



Liquid Cycle



Air/Steam Cycle



PROVIDED WITH

- Manufacturer documentation
- Instructions & Maintenance manuals
- Technical documentation (P&ID, Electrical drawing, part list...)
- First emergency spare parts list

SERVICES

- Installation and commissioning
- Qualification regarding ISO 17665
 - ✓ IQ
 - ✓ OQ
 - ✓ PPQ
 - ✓ SV
- Maintenance with preventive or curative intervention





Contact Us

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