

Autoclave mod. EUROPA B Evo 24

Europa B Evo is indispensable in all medical and dental facilities and in all sectors where safe sterilization is required on all materials: hollow, porous, solid, free and wrapped.

Safeties applied

- Certified safety valve.
- Ped on the sterilization chambers.
- Chamber insulation with certified ceramic material

- The new dashboard with blue display has a strong aesthetic impact and great modernity.
- The new refill fittings that fit flush with the front of the autoclave represent a real innovation



Peculiarities of Europa B Evo

- Circular chamber in treated AISI 304 stainless steel
- Maximum load for each cycle Kg 5
- Chamber volume 24 Lt
- 3 safeties on the door: electromagnet, electric, dynamic
- Control board inserted in the dashboard
- Graphic display
- Automatic baric alignment system
- Water filling with pump system and automatic blocking of full tank
- Door seal to ensure maximum durability
- Rear predisposition dashboard, with the possibility of automatic water loading and unloading
- Forced ventilation system integrated in the equipment
- Protected holder that avoids contact between load and chamber.

The PID system

PID stands for derived proportional integral and is the maximum expression of closed-chain controls. The structure of this sophisticated control is simple and flexible.

PID ensures constant control and monitoring of the entire functional system of the autoclave, automatically intervening in the event of anomalies on incorrect technical and electronic parameters.

A device that behaves like “a real technician” with the ability to diagnose and intervene in real time.

A solution that limits anomalies and alarms, ensuring maximum reliability and limiting any machine downtime to a minimum.

Autoclaves capable of sterilizing type B loads

There are many models of autoclaves, with different characteristics and peculiarities.

Each medical facility or clinic must adopt the model best suited to its operational needs, dictated by the loads it must sterilize.

Regarding loads, EN 13060 defined the classification precisely, clarifying that the following materials are intended as type B loads:

Porous bodies

Porous bodies are simple or compound materials that can absorb fluids (fabrics, gowns, gauze, dressings, etc ...)

Hollow bodies

Hollow bodies are materials or devices with cavities, obstructions, etc. These are divided into two classes defined precisely through an accurate description of the relationship between length and diameter.

Here are some general reference concepts.

Type B: cannulas, tubes or devices with large passages

Type A : turbines, handpieces and devices with blind or small holes.

Having said this, it is clear that in all structures where the aforementioned materials are used, they must opt for a state-of-the-art autoclave capable of guaranteeing safe sterilization on type B loads.

Cycles constantly monitored

The Europa B Evo - Europa B Evo 24 autoclave line is complete with a device for constant control and monitoring of the sterilization cycles.

Any type of anomaly is detected and if it compromises the sterilization cycles, the equipment is immediately blocked and the anomaly is displayed via a message.

Pre-fixed cycles that cannot be manipulated

All cycles are pre-set and always guarantee safe sterilization of the treated materials.

There is no possibility of intervention and manipulation of the cycles by the operators and this avoids any type of possible human error.

All cycles ensure the sterilization of type B loads

All the sterilization cycles have the fractional vacuum system, controls and parameters that ensure the sterilization of type B loads. Even an incorrect selection of the desired cycle always ensures safe sterilization on any type of treated material.

Ergonomics and ease of use

Just press a button to select the cycle and another button to start the complete process. Impossible to make a mistake, impossible to select a cycle that does not ensure correct sterilization, any operational error is signaled by error messages.

The autoclave can be used by several people without the possibility of causing damage or problems.

The sterilization process

The sterilization process is made up of different phases, for each point the manufacturer wanted to adopt avant-garde technical solutions.

Vacuum is the first phase of the cycle and is crucial for proper sterilization.

We ensure an excellent result by adopting a very high quality pump, which allows the removal of air pockets even in hollow and porous bodies.

Preheating is the phase in which the parameters of the sterilization cycle, temperature and pressure, are stabilized. We adopt a preheating system with a heating element designed to reduce the time of this phase as much as possible.

Exposure time is the period in which all microorganisms are eradicated, pressure, temperature and time must be perfectly monitored.

We can count on a double probe system and microprocessor control, also managed by the exclusive PID system

Drying is the important final stage of the sterilization cycle. Perfect drying ensures the sterile maintenance of the instruments.

The combined vacuum + heat system ensures perfect drying of the sterilized materials, both free and wrapped.

The importance of emptiness

After completing the loading of the autoclave and closing the door it is incorporated into the chamber by the ambient air, which, due to a different physical elasticity, does not incorporate itself with the steam produced.

These "air bubbles" remain "cold", therefore they are an impediment for a correct and safe sterilization of the treated materials. It is important to adopt a forced expulsion system for these air bubbles.

The vacuum systems

There are several vacuum systems applicable to autoclaves.

The most advanced and safest vacuum method for obtaining safe sterilization on all materials, including hollow and porous ones, is the fractional vacuum.

The fractional void

Europa B Evo - Europa B Evo 24 adopt the fractional vacuum system.

The fractional vacuum is a system that alternates phases of negative pressure with phases of positive pressure and is implemented at the beginning of each sterilization cycle.

This method is the maximum technical expression of the vacuum and ensures the expulsion of air pockets in all materials, even in hollow and porous ones.

Cycles

Prefixed temperatures

The temperatures set on the cycles of our autoclaves are 134 ° C and 121 ° C.

134 ° C cycles are normally used for the sterilization of solid and ferrous materials.

121 ° C cycles are used for thermoplastics, fabrics and sensitive materials.

Sterilize the materials always following the instructions given by the device manufacturer.

Ease of use

A key allows you to scroll and view the data relating to each cycle on the large display, allowing you to identify the most suitable cycle, then simply press a button to automatically start the entire sterilization cycle, without worrying about anything .

For any error or alarm, messages and LED signals will call your attention.

Fully automatic cycles

All cycles are completely automatic, all phases are managed by the advanced card complete with powerful microprocessor. Each phase (vacuum, preheating, exposure time, drying) is monitored, supported and managed automatically. There is no human involvement in the unfolding of the cycles.

Wide choice of operating cycles

The Europa B Evo and Europa B Evo 24 autoclaves are equipped with:

1 sterilization cycle at 134 ° C for loose and wrapped materials.

1 sterilization cycle at 121 ° C for loose and wrapped materials.

1 flash sterilization cycle for quick cycles.

1 specific prion sterilization cycle for c & j disease

Cycles without operator with auto switch-off

All the sterilization cycles have an automatic function which, in the absence of an operator at the end of the cycle, starts an anti-condensation and automatic shutdown phase. This system economizes and secures the equipment.

Test cycles Our autoclaves are complete with test cycles for periodic control of the equipment, using physical and functional systems.

Helix test to evaluate the vacuum capacity in porous bodies.

Bowie & dick test to evaluate the vacuum capacity in bodies.

Vacuum test to evaluate the vacuum holding capacity.

Safety for operators

Safety on the door

We have applied three safety devices to the hatch:

The first is of the mechanical-electromagnetic type: it is activated when the sterilization cycle is started and completely blocks the opening of the door. This device can be removed at the end of the cycle by pressing a special button and only with positive pressure close to zero.

The second is electric: it is activated automatically when there is a clear intention of forced opening of the machine.

The third is of the dynamic type: the gasket is made with a new concept, which does not allow the door to be opened in the event of pressure inside the chamber.

Safeties applied

Certified safety valve.

Top on the sterilization chambers.

Chamber insulation with certified ceramic material.

Flexible Autoclaves

The Europa B Evo - Europa B Evo 24 autoclaves can count on a series of solutions that allow the operator to set the autoclave according to his own operational needs.

Loading water tanks : prepare the autoclaves according to your needs

You can choose how to set up your autoclave.

Europa B Evo is ready to: have an autonomous operation, using the water from the internal tanks and manually loading and unloading the pure and used water. They can be connected directly to the water mains, by means of a special reverse osmosis system mod. Pure, and thus have a continuous supply of water and an automatic drain, without wasting time in manual operations

Advice

For those who constantly use the autoclave and do not want to have implications relating to the purchase of distilled water and the management of tank loading and unloading, we recommend the adoption of the Pura system, thus saving time, money and protecting the autoclave because you will always have water. controlled and suitable.

Tanks inside the machine

All autoclaves have a pure water tank and a used water tank inside the autoclave. Each tank is equipped with probes for signaling the minimum and maximum levels.

Loading the tanks If the autoclave is connected to the device mod. Pura the loading of the tanks is automatic, while if you intend to use it autonomously, the water loading is done manually.

These autoclaves, to facilitate this operation, are equipped with a filling method with a pump and a full tank detection system, which interrupts the water supply.

This important option, standard on all models of the line, avoids human errors due to excessive pouring and reduces operator effort.

The autoclave is also predisposed for any manual tank filling, in case the loading pump does not work.

Chamber and load

All the autoclave chambers are built with special stainless steel.

They are produced with advanced industrial systems, subjected to strict control procedures and individual tests.

Load and dimensions

A parameter of great interest to buyers is the volume of the chamber, as it is used as the only parameter to evaluate how much load the autoclave can sterilize.

In truth we can find autoclaves with higher chambers than others, but with the possibility of sterilizing a lower quantity of load.

All this is determined by technical choices: heating system, resistance power, etc ... Always evaluate carefully, not only the volume of the chamber, but also and above all the quantity of load declared by the manufacturers, which normally is around 750 / 1.000 gr per tray.

Rich standard equipment

We believe that each autoclave must be equipped with all the equipment needed to comply with normal daily operations and with those accessories that are needed for the management and control of the equipment itself.

Here then is that the autoclaves are proposed already complete with all the accessories and possible predispositions.

Integrated printer on all models : ensures the recording of the sterilization cycles and allows to formalize the vacuum test.

Predisposition for connection to the water mains : all the autoclaves have a predisposition for connection to the water mains via Pura

Accessories supplied:

1 closed tray holder,
4 aluminum tray holders,

1 double function key for tray extraction and door adjustment,
water inlet and outlet pipes,
room cleaning sponge.

Accessories on request:

PURE OSMOSIS SYSTEM

PURA / PURA PLUS Spare filter kit

Thermal paper for EUROPA V EVO mm 57 - pack. from 10 rolls

Code	Description
T9020342	Autoclave mod. EUROPA B Evo 24