

# Eurosafe 60

## Automatic cleaning, all in one

Thermodisinfector Eurosafe 60 cleans, disinfects, rinses and dries instruments in one fast automated process, eliminating the need for manual cleaning. It guarantees excellent results thanks to the injection washing system, which boasts independent spray arms for each level, and to the forced air drying system, which eliminates water deposits even inside hollow-body instruments. Eurosafe 60 is also available in an XD (Extra Dry) version with an enhanced drying system. It allows you to choose 3 preferred cycles from the 20 preset cycles by matching them to the buttons below the 3.5" colour display, which makes them easy to select. It also allows the creation of customised cycles based on the specific needs of the material to be treated, adjusting the duration and washing temperature. Eurosafe 60 is equipped with an integrated softener that allows the use of mains water and monitors the correct regeneration of the resins, giving a warning in the event of salt deficiency. The thermodisinfector, at the end of each cycle, creates a file that can be transferred to a PC via USB, which displays all process data (time, temperature, cycle number) and also validates the load. In addition, thanks to optional accessories, data can be transferred via Ethernet connection or printed out thanks to the thermal printer. It connects to the mains with the classic 220 V socket (three-phase not required). Made in Italy with durable AISI 316L stainless steel.



### Classification

Medical Device Class IIb



### Dimensions

56 x 82.5 x 58 cm (wxhxd)



### Weight

62 kg



### Chamber capacity

60 L



### Power supply

230 V / 50 Hz

### Power consumption

2750 W



### Connectivity

- Included: USB and E-Memory software
- Optional: Datalogger



### CE Ref

EUROSAFE 60 -  
EUROSAFE 60 D

# Automated washing

## Disinfects everything without any problems

Eurosafe 60 meets the requirements of EN ISO 15883 and allows the control of washing parameters (time, detergent concentration and temperature) during all phases.

The effectiveness of thermal disinfection is measured by the A0 value, which can be achieved with different combinations of temperature and time: the higher the temperature, the less time is needed. The standard requires a minimum A0 of 600 for thermodisinfection of surgical instruments to ensure the elimination of bacteria, mycobacteria, fungi and viruses. Eurosafe 60 allows the A0 parameter to be varied to meet different needs and local regulations.





## Pre-washing

This is carried out using cold water with the aim of removing organic substances and the most superficial and coarse dirt.



## Washing

This is performed at temperatures between 50 and 65 °C, adding an enzymatic detergent to ensure perfect cleaning of the instruments.



## Rinsing

This is done in order to remove any detergent residue from the load used in the previous phase.



## Thermodisinfection

This takes place through the combined action of hot water at an adjustable temperature of up to 95°C and a variable time of 1 to 10 minutes. During the heating phase, a second chemical agent is injected into the chamber, which prevents corrosion of the load and the forming of deposits, and also facilitates the subsequent drying phase.



## Drying

The final stage of the process is achieved through effective air distribution within the chamber to obtain, when the device is opened, perfectly dry material ready for packaging.

## **+** Customisable

Eurosafe 60 has 20 pre-set cycles to better suit the washing needs of clinics. In addition, it is possible to create customised cycles with different combinations of time and temperature.

## **+** Above standard

It ensures a minimum A0 value of 600 per thermodisinfection cycle. It is also possible to set a value higher and well above the standard, and monitor this parameter in real time via the display.

## **+** Inspectable

The transparent tempered glass door allows the contents to be monitored during washing and allows intervention in the event of incorrect positioning of the load inside the chamber.

## **+** Eco-friendly

It consumes only 1.7 kW and 12 litres of water per short cycle, while the automatic dispenser eliminates detergent waste.



# Thermodisinfection programs

	Short P1	Standard P2	Intensive P3
Description	Short cycle without pre-wash, suitable for loads without organic residues	Cycle including pre-wash, recommended for all types of instruments and dirt	Cycle including pre-wash, characterised by longer times and higher temperatures, suitable for more resistant dirt
Total cycle time	45'	60'	75'
Pre-washing	✗	✓ for 2'	✓ for 2'
Washing	50°C for 3'	60°C for 3'	65°C for 6'
Rinsing	✗	✗	✓
Thermodisinfection	90°C for 1'	90°C for 1'	90°C for 1'
Drying	120°C for 10'	120°C for 20'	120°C for 24'
Water consumption	12 L	18 L	24 L
Electricity consumption	1.7 kWh	1.8 kWh	1.9 kWh



**Transparent door**  
For a visual check during washing



**Automatic detergent dispenser**  
To optimise use and avoid waste

# Load capacity

## Solutions for every need

A comprehensive range of accessories including loading baskets, inserts, baskets and adapters simplifies the operator's work and enables excellent cleaning, thermodisinfection and drying performance, maximising loading capacity and minimising waste.



### Complete safety

The available trolleys together with baskets, inserts and adapters allow safe and automated thermodisinfection of all surgical instruments, significantly reducing the handling of instruments and thus the risk for the operator during cleaning.



### Integrable

The numerous possible load combinations adapt to the needs of every clinic and allow the Eurosafe 60 to be configured to meet each individual need. The available accessories meet the needs of all clinics working in the dental, maxillofacial surgery, oral surgery, orthodontics and general medicine fields.





**Euronda**  
Pro System

20:52:23 12:00  
**STANDARD 88**  
T: 21.1 A-----  
T: 20.9 A-----  
OPTICAL SENSOR



# Traceability

## Full and safe control of the procedures

Eurosafe 60 allows you to track of all thermodisinfection cycles performed, saving the data on USB. They can also be transferred to a PC via Ethernet connection or printed on thermal paper using the optional accessories.



### External thermal printer

For those who want to keep their cycle records on paper.



### Datalogger

Device for transferring thermodisinfectior data to PC via Ethernet connection.





## **Euronda Pro System advanced connectivity**

The Euronda Pro System integrated connectivity system is designed so that all devices, including Eurosafes 60, enable complete traceability of the entire sterilization process.

## **Traceability of cycles**

Eurosafes 60, at the end of each thermosinfection cycle, generate a file reporting all process data, validating the load if the recorded temperatures are compliant. This file can be archived with the help of the E-Memory software and easily managed and accessed in a few simple clicks.





## Simple

E-Memory is user-friendly thanks to its intuitive interface, essential controls and simple and immediate search filters.



## Efficient

Automatic data capture for Ethernet and wireless devices and automatic equipment backup.



## Complete

Ideal for a complete management of all equipment involved in the sterilization process. It processes an ordered list of cycles and filters them by machine, model, serial number, operator, date and outcome.



## Innovative

With the Watch Folder and Technical Support functions, reporting, certification and alerts are available in one simple click.



# E-Memory

## For total traceability in your practice

E-Memory is the software for the complete archiving, management and traceability of all sterilization cycles and data directly on a PC.

The software acquires the sterilization process data automatically, semi-automatically or manually, storing it on the PC where it can be easily organised, searched, printed or sent by email.

E-Memory also makes it possible to trace and select all information related to the cycles performed by the different devices (thermodisinfectors, sealer and autoclave) involved in the sterilization process. It is easy to consult and manage, and allows you to send selected cycles and data directly to technical support in just a few clicks, and to automatically produce reports and PDF certificates with header, graphic logo and personal data.



**Download**



# Detergents

Chemical products designed to ensure careful yet gentle washing of all instruments, ensuring proper functioning and extending the life of the thermodisinfectors.



## Sanitizer Enzymatic

Enzymatic detergent for thermodisinfection. Suitable for removing blood, tissue residues and organic contaminants from Medical Devices. Expiry date: 36 months.



**Packaging**  
5-litre tank



## Sanitizer Neutralizer

Liquid agent with neutralising and cleaning action for automatic washing systems, Medical Devices and laboratory glassware. Facilitates drying, reducing the formation of dulling. Expiry date: 36 months.



**Packaging**  
5-litre tank



## Salt

Salt for water treatment in thermodisinfectors, prevents limescale deposits and ensures the functionality of the thermodisinfectors.



**Packaging**  
1 Kg bag

# Technical features

Overall dimensions	56 x 82.5 x 58 cm (wxhxd)
Weight (machine empty with baskets)	62 kg
Electrical connection	220V/~ /50Hz
Total power	2750 W
Pump power	150 W
Noise	< 70 dB(A)
Accessories included	USB stick, water conductivity test, regeneration salt bag (1 kg), standard loading basket, insert with 8 positions, instrument insert, bur block

## Safety devices

- Short-circuit protection
- Overheating protection
- Protection against accidental door opening
- Process validation system

## Compliance with harmonised standards

- 93/42/EEC as amended (Medical Devices Directive)
- 2006/42/EC (Machinery Directive)
- 2014/30/EU (Electromagnetic Compatibility Directive)
- CEI EN 61010-1 (Safety)
- CEI EN 61010-2-040 (Safety)
- 2011/65/EC (RoHS II)

## Documentation

- Installation and operating manual
- Warranty certificate
- Installation sheet

## Certifications

- ISO 14971 (Risk Analysis Medical Devices)
- IEC 61326-1 (Electromagnetic Compatibility)
- ISO 15883-1 (Washing effectiveness)
- ISO 15883-2 (Washing effectiveness)
- ISO/TS 15883-5 (Washing effectiveness)

# Technical data sheet

## Dimensions and space requirements (cm)

