

EXL

EN

Extra Large Autoclave



Euronda[®]
Pro System

EXL

Extra Large Autoclave

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Euronda Pro System

Products, Process, Protection



Cleaning

Packaging



Euronda Pro System is the protection system developed to guarantee a complete and effective instrument reprocessing protocol that protects the safety of operators, patients and the working environment.

Sterilization is a multi-step process and its success depends on the correct execution of each step, from collection to storage. Thanks to the Euronda Pro System line, an advanced and traceable protocol that increases safety and optimises the practice's resources can be applied simply, efficiently and repeatedly over time.



Sterilization



Autoclaves

- E10
- EXL
- E9
- E8



Water treatment systems

- Aquaosmo
- Aquafilter 1 to 1
- Aquadist



Spacious

The 29-litre stainless steel chamber allows an increased loading capacity with 30% more usable space than a 24-litre autoclave. A total of 275 cm of linear space is available to optimise cycles and reduce consumption.



Connected

The SD Card and Ethernet connection that come as standard make it easy to file, manage and view the sterilization process results on a PC thanks to the E-Data and E-Memory software.



Traceable

On EXL, you can choose between 2 different printers, both for adhesive labels: one internal and one external for large quantities. Both are easily installed in a few simple steps.



Eco-friendly

It optimises the consumption of water (0.9 L per cycle) and electricity (3200 W), thanks to the instant steam generator.



EXL

Extra Large Autoclave

Spacious, optimised and eco-friendly: EXL is designed to meet the needs of practices with a high patient turnover thanks to its increased load capacity. The large 29-litre chamber can hold up to 5 x 55 cm trays (+17 cm compared to a 24-litre autoclave) with 85 cm more total load capacity than standard. EXL offers the possibility to select 5 different B cycles and, upon entering a password, 2 S and N cycles. In addition to cycles, tests can also be programmed. Traceability is ensured by the SD card and Ethernet connection (both come as standard) and the possibility of installing 2 different optional printers at any time. The control systems and functionalities of Euronda Pro System autoclaves guarantee safe processes and results over time: the Inspection System allows easy and frequent cleaning; the Dirt Control System separates clean and dirty water flows and allows dirt to drain easily from the hydraulic circuit; the conductivity meter constantly monitors the water quality; and the air-water separator optimises the pump operation.



Classification

Medical Device Class IIb



Dimensions

46 x 45.5 x 85.5 cm (wxhxd)



Weight

62 Kg (empty machine with tray holders and trays)



Chamber capacity

29 L



Supply voltage

230 V | 50/60 Hz

Power consumption

3200 W



Water consumption

0.9 L



Connectivity

Included: Ethernet, SD card and E-Memory software



CE Ref

SSU\X30L2019

Euronda Pro System technologies and solutions

Efficiency and reliability in a single platform

Euronda Pro System autoclaves are developed on a common platform that guarantees efficiency, reliability, safety and usability on every model in the range.

All autoclaves share the same modular structure, optimised control and management systems, accessories and spare parts.



Modular system

The modular design of the Euronda Pro System autoclaves allows the side panels to be easily removed for ease of maintenance.

Steam generator

The instant steam generator guarantees excellent performance in terms of speed, safety and sterilization. It improves water consumption by calibrating it according to the load and, in synergy with the heating elements, offers perfect drying.



Inspection System

The world's first inspection system for autoclaves in full compliance with EN 13060. Inspection System makes tank cleaning quick and easy.



Air-water separator

The air-water separator is a "lifesaver" for the vacuum pump: it separates flows containing steam, air, dirt, lubricating oils and residues from the instruments to be sterilized from the air, creating ideal operating conditions for the pump and preserving its efficiency.



Conductivity meter

The integrated conductivity sensor constantly monitors the water quality, preventing possible malfunctions due to the use of unsuitable water.



Dirt Control System

The dirt management system in the hydraulic circuit allows precise separation of clean and dirty water flows so that the autoclave can continue to work at maximum efficiency.



Smart cooling system

The cooling system is equipped with a probe that allows the most efficient management of the vacuum pump, ensuring longer life and effectiveness.





Sterilization cycles and test programs

EXL offers the possibility of performing B and S cycles in addition to test programs (Vacuum, Helix, Bowie and Dick). From the menu it is possible to select 3 type B cycles (121°, 134°, 134° Prion) and 2 fast cycles (134° fast, 134° Prion fast), in full compliance with EN 13060.

Fast cycles allow sterilization of a small load (1 tray and a 0.6 Kg solid load) 30% faster than standard cycles.

It is also possible to perform S (S134, S121) type cycles, which can be activated by a password.

Cycle programming

EXL allows you to programme the start of the sterilization cycles and tests at the desired time, optimising the workload of the clinic. With this function, the vacuum test can be scheduled before the practice opens, with the flexibility to start an additional test or sterilization cycle if necessary.

Test Reminder

EXL allows a reminder to be set for running test programs at a desired time interval, making it easier to manage the clinic and operate safely at all times.

B Cycles

	B 134	B 121	
Description	Cycle for bagged and non-bagged solid, porous or hollow material	Cycle for solid or porous, bagged and non-bagged material, particularly suitable for sterilization of plastics, turbines and handpieces	
Temperature	134°C	121°C	
Pressure	2.16 bar	1.16 bar	
Sterilization phase duration	4'	20'	
Drying phase duration	20'	20'	
Total duration with standard load*	27'	39'	
Maximum solid load	7 Kg / 2 Kg	7 Kg / 2 Kg	

S and N Cycles**

Password-activated

	S 134	S 121
Description	Sterilization of bagged or non-bagged solid products	Sterilization of bagged or non-bagged solid products and of plastic products
Temperature	134°C	121°C
Pressure	2.16 bar	1.16 bar
Sterilization phase duration	4'	20'
Drying phase duration	20'	20'
Total duration with standard load*	18'	30'
Maximum solid load	7 kg	7 kg

B 134 prion	B 134 - fast	B 134 prion - fast
Prion cycle for solid, porous or hollow, bagged and non-bagged material	Fast cycle for solid, porous or hollow material, bagged and non-bagged (1 tray)	Fast prion cycle for solid, porous or hollow material, bagged and non-bagged (1 tray)
134°C	134°C	134°C
2.16 bar	2.16 bar	2.16 bar
18'	3'5"	18'
20'	4'	4'
43'	20'	35'
7 Kg / 2 Kg	1 Kg / 0.4 Kg	1 Kg / 0.4 Kg

** Times are exclusive of the drying phase. The time may vary by +/-5%.*

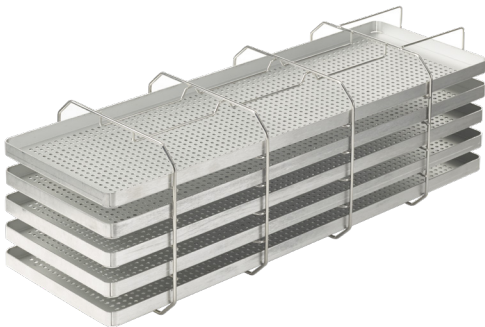
*** All cycles are available unless specific national legal regulations state otherwise.*



Load capacity

The maximum load for the 29-litre EXL is 7 kg for bagged solid materials.

To optimise the load to be sterilized, EXL offers the XL standard tray holder, complete with 5 trays, supplied with the autoclave.



Standard tray holder XL

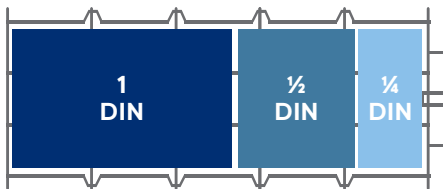
The square panelled stainless steel tray holders are designed for the loading of 5 aluminium trays XL. Each tray offers 17 cm more compared to a 24 L autoclave. As these can be rotated to 90°, three shelves for sealed cassettes can be inserted. 5 trays included.



Dimensions

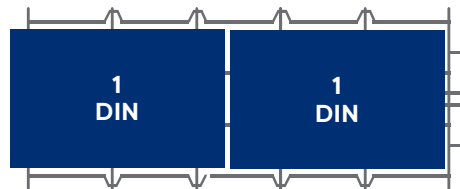
Tray holder: 19.5 x 19.5 x 49 cm (wxhxd)
Tray: 18.5 x 2 x 55 cm (wxhxd)

Suggested configurations



1x 1 DIN cassette + 1x 1/4 DIN cassette + 1x 1/2 DIN cassette x 3 compartments

Total cassettes: 3x 1 DIN cassettes + 3x 1/4 DIN cassettes + 3x 1/2 DIN cassettes
Total DIN: 5 DIN and 1/4
Load to be sterilized*: 4 kg



2x 1 DIN cassettes x 3 compartments

Total cassettes: 6x 1 DIN cassettes
Total DIN: 6 DIN
Load to be sterilized*: 4 kg

N.B.: when using 2x 1 DIN cassettes per shelf, these exceed the tray holder by a few cm. Nevertheless, the autoclave door closes and the structure is stable.

**Recommended and variable load depending on the type and weight of the cassettes used*

E-Cart

The space you need



The optional multipurpose trolley designed to accommodate Euronda autoclaves and maximize space, simplifying sterilization procedures. With front-accessible large adjustable shelves for equipment storage, a rear compartment that can house an Aquafilter 1 to 1 or an Aquaosmo, and a removable front shelf to support the tray holder and simplify the loading and unloading phases.



Dimensions

51 x 81 x 87 cm (wxhxd)



Weight

44 Kg



Complete and expandable traceability

With EXL, the management and archiving of the results of the sterilization process is simplified by means of a digital and paper-based traceability system. All sterilization cycles are saved on the SD Card (standard) and can be transferred to a PC via Ethernet connection (standard).

The 2 different types of printers (optional) allow cycles to be printed on labels.



Print Set 2

Internal printer for adhesive labels, for labelling loads securely with the possibility of printing barcodes as well.



Print Set 3

External printer for adhesive labels, for printing large quantities of adhesive labels, including barcodes.

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Digital traceability

Compliant with EN 13060, storage is available either on an SD Card for the easy transfer of all data from the autoclave to the computer, or via the standard Ethernet connection.



Load validation and release

This function allows the user to digitally record the conformity of the sterilization process, both during loading and unloading. Once the operator has checked the integrity and drying of the pouches, the status of the instruments and compliance with the sterilization parameters, the load can then be validated.



Print sets options

The expandable traceability system allows 2 different types of printers to be installed, depending on requirements. Print Set 2 is installed at the front of the autoclave without additional space, while Print Set 3 is placed outside the device.



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. This application can automatically, semi-automatically or manually capture data from the sterilization process and save it directly to the computer. This data can be easily organised, searched, printed and emailed.

E-Memory also makes it possible to trace and select all information related to the cycles performed by the different devices (thermodisinfector, 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



Control test

The Euronda Pro System product range includes 3 function tests, designed as a perfect complement to the daily use of the autoclaves. The purpose of these tests is to verify the operational effectiveness of the autoclave in performing type B or S cycles.



Helix test

Control test for Class B autoclaves to assess the steam penetration capacity in hollow loads.



Packaging

Pack with 1 cannula and 250 control indicators

Bowie & Dick test

Control test for autoclaves to check steam penetration capacity in porous loads.



Packaging

Pack of 10 tests

Prion test

Test for class B autoclaves. Calibrated to temperature, time and pressure parameters considered effective in 134° Prion cycle sterilization (134° x 18 minutes).



Packaging

Pack of 200 control indicators

Water treatment systems

The water used to feed the autoclaves within the practice must be treated to ensure proper functioning and prolong the life of the devices.

Euronda Pro System offers a range of water treatment devices to choose from depending on the conductivity value of the water and the number of autoclaves in the practice.

Device	Water conductivity	Number of autoclaves
Aquaosmo*	$\leq 800 \mu\text{S}$	1 to 4 autoclaves
Aquafilter 1 to 1	$\leq 600 \mu\text{S}$	1 autoclave
Aquadist	Any level of conductivity	Any number of autoclaves

**Aquaosmo is equipped as standard with an Aquabox device for connecting the autoclave to the water treatment system. An Aquabox device must be set up for each additional autoclave.*

Aquaosmo

The advanced osmosis system for multiple autoclaves



Device for the production of osmosis water through a reverse osmosis process, suitable for clinics with high water hardness. The filtering system consisting of a sediment filter and carbon filter, resin and osmotic membrane, guarantees high quality water production, suitable for supplying the autoclaves and all the practice's equipment in compliance with standard EN 13060 (<math><15 \mu\text{s}/\text{cm}</math>). Designed to be connected directly to the autoclave after installation of the Aquabox device, Aquaosmo can supply from 2 to 4 autoclaves at the same time if fitted with a 12-litre capacity external storage tank kit (both accessories are included). Aquaosmo does not require a power supply and can be installed on a worktop or inside a cabinet. Aquaosmo offers excellent filtration performance and reliability with reduced environmental impact, thanks to the use of a single resin with a guaranteed life of 12 months.



Dimensions

30 x 35 x 16 cm (wxhxd)



Weight

5.3 kg (empty)



It can supply

Up to 4 autoclaves



Water production

1 L of water every 20 minutes



Supply pressure

Min 2 / max 8 bars



Inlet water conductivity

Max. 800 μs



Speed

Thanks to the filter system, it can deionise 1 litre of water in 20 minutes.



Compatibility

Aquaosmo connects directly to all class B autoclaves thanks to the Aquabox device.



Multiple autoclaves

It can supply up to 4 autoclaves at the same time thanks to the 12-litre storage tank.



Practical

It does not require a power supply and can be installed on a worktop or inside a cabinet.

Aquafilter 1 to 1

The ideal deionisation system for a single autoclave



Device for the production of deionised water for autoclaves, in accordance with EN 13060 (<math>< 15 \mu\text{S}/\text{cm}</math>). Only one Euronda Pro System autoclave can be supplied. It deionises on average 1 litre of water per minute. It can be equipped with automatic shut-off device. It can be placed directly on the worktop or inside a cabinet, as well as mounted to a wall. Included in the initial equipment are two ion exchange resins.



Dimensions

39 x 45.5 x 14.5 cm (wxhxd)



Weight

8.4 kg (empty)



It can supply

1 autoclave



Water production

1 L of water every minute



Supply pressure

Max 8 bars



High-performance

It allows quick, easy and effective autoclave feeding.



Easy to install

The quick couplings allow direct connection to the autoclave and the water supply.

Aquadist

Distilled water ready for every need



Water distiller for obtaining distilled water by boiling and subsequent steam condensation. It distils 0.7 L of water per hour. 4-litre capacity. It fulfils the safety and electromagnetic compatibility (2014/30/EU) and low voltage (2014/35/EU) tests.



Dimensions
23 x 36 cm (Øxh)



Weight
3.5 kg



Water production
0.7 L of water every hour



Power consumption
580 W



Practical

Easy to use, it produces ready-to-use distilled water in no time.



Effective

Its 4-litre capacity makes it useful for covering several sterilization cycles.

Technical features

Overall dimensions	46 x 45.5 x 85.5 cm (wxhxd)
Minimum depth of the support surface	90 cm
Minimum width of the support surface	46 cm
Minimum space above the tank	30 cm
Weight (empty machine with tray holder and tray)	62 kg
Weight per support area (full tank and chamber with maximum load)	62 Kg + 9 Kg + 4.5 Kg = 75.5 Kg Load on each foot: 15 Kg
Power supply	230 V 50/60 Hz
Absorption	3200 W 14 A
Average water consumption per cycle	0.9 L
Tank capacity (clean water/used water)	4 litres
Noise	60 dB
Accessories included	Standard tray holder and 5 trays, drainage pipes, sponge, 2 trays extraction handle, door adjustment handle, funnel

Compliance with harmonised standards

- EN 13060
- EN 14971
- EN 61010-1
- EN 61010-2-040
- EN 61326
- EN 13445

Documentation

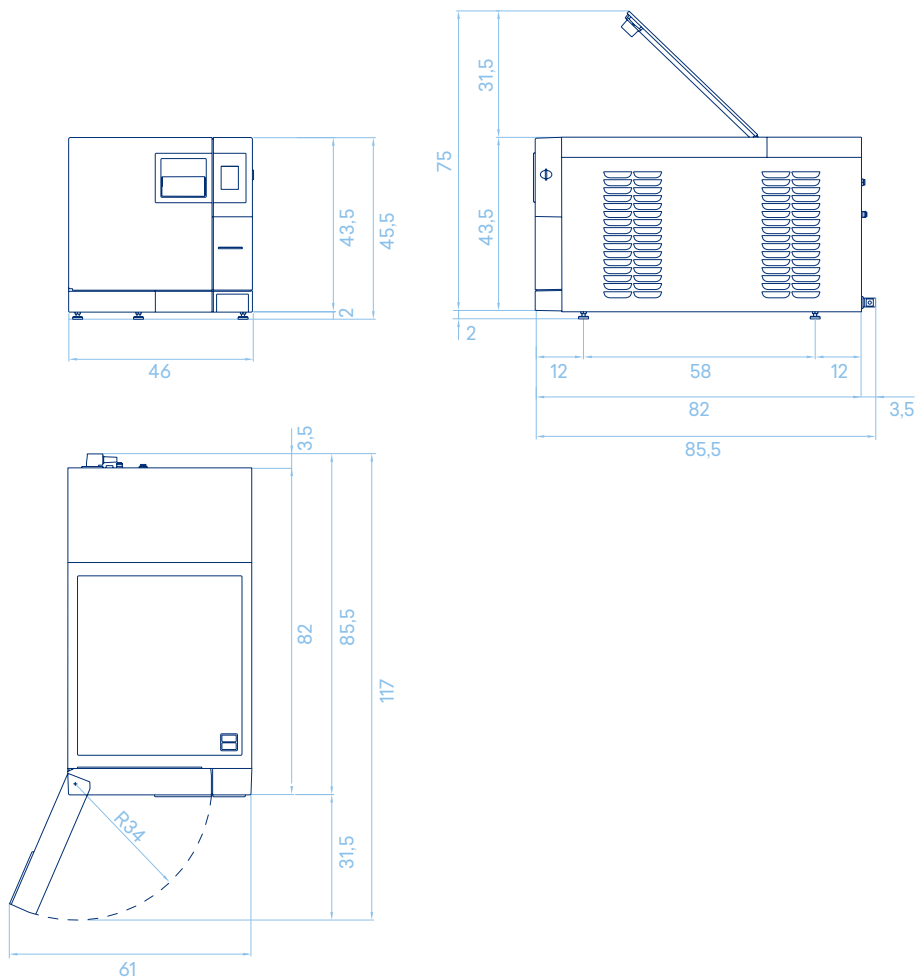
- User's manual
- Declaration of room conformity
- Declaration of autoclave conformity
- Warranty certificate
- Installation sheet
- Service booklet

Certifications

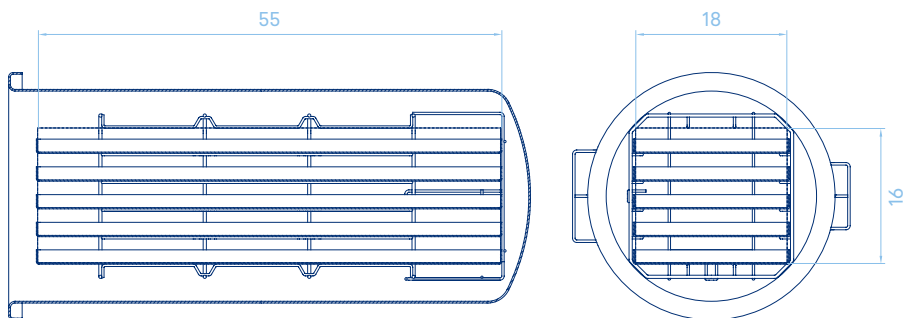
- Dispositif médical de classe IIb conforme au Règlement (UE) 2017/745 (MDR)
- Chambre conforme à la directive 2014/68/UE Entreprise certifiée : ISO 9001, ISO 13485, ISO 14001
- Modèle : SSU\X30L2019

Technical data sheet

Dimensions and footprint (cm)



Chamber size (cm)



Euronda Spa® 2024

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