

Aurax

Green soul. Hi-tech attitude.



Building the future today.

Green soul.



Ultimate in performance.

Innovation in the pursuit of performance and the environment.

Hi-tech attitude.

Designed to simplify: Aura X principles

Five core principles have been the foundation for the development of Aura X – from design to construction.

Each of these principles has steered us towards one goal: to provide dental practices with a solution that meets the highest standards of quality and safety.



Sustainability

-90% water consumption

Advanced tracking system for a paperless practice



Design and rationale

The ideal balance between elegance and functionality



Simplicity

Intuitive interface and user-friendly controls



Reliability

outstanding components: the best combination of efficiency and durability



High-tech

Next-generation electronics engineered for flawless performance

Energy savings

Load Master 'patent pending' System, your companion for optimised consumption.

Load Master is an advanced 'patent pending' automatic recognition system that analyses the requirements for each sterilisation cycle.

This allows the machine to accurately **adjust energy and water** consumption to ensure optimal efficiency and reduce waste.



New filtration system

Hydraloop: A virtuous cycle of water.

Aura X employs a filtration system using Hydraloop technology, which optimises the recirculation of demineralised water.

This advanced system provides up to 100 sterilisation cycles* with only 5 litres of water consumption, **significantly reducing operating costs and downtimes.**

up to 100 cycles
with 5 litres of water*
90% in savings



hydra
loop system
💧💧💧

* consumption varies depending on the type of cycle/load

** laboratory test carried out in recursive regime of all cycles with average load

Made in Italy design: the ideal balance between elegance and functionality.



Aura X embodies Made in Italy style, delivering an experience that combines the elegance of sophisticated design with the practicality of flawless functionality.

Maximum capacity, minimum footprint.

With its compact dimensions, 22 litres of capacity contained in a depth of only 56 cm, the Aura X optimises the available space.

This feature enables practical wall mounting, freeing up valuable space in sterilization rooms and **improves usability**. The configuration of the air flows makes it possible to accommodate the device in niches or within recessed structures.

compact dimensions

56 cm

22 litres capacity



Unparalleled user experience.

Simple and intuitive. A quick look at the Aura X display is enough to obtain a complete overview of the sterilization cycle.

The user-friendly interface provides easy control and monitoring of each cycle parameter. The front display, incorporating high-visibility LED indicators, provides **clear and immediate information on the progress of each process**.



Quality and reliability.



The quality of our components enables us to provide durable and efficient solutions, ensuring the utmost in customer satisfaction as well as being a guarantee of reliability.



Stress test.



To ensure optimal long-term reliability and performance, Aura X was put through a demanding stress test programme. This programme involved thousands of hours of testing, where specialised robots performed **over 10.000 cycles on three critical components:**

Door opening and closing
Steam generator
Cooling circuit

Over

10.000
cycles

Tested on critical components



The results demonstrate the exceptional reliability of Aura X

Maximum durability... minimum maintenance.



We have designed this machine to provide an unprecedented user experience, with a focus on aspects such as the following:

Routine maintenance to a minimum: leave behind complicated maintenance procedures. Aura X is designed to work efficiently with minimal intervention, allowing you to focus on what really matters.

Intuitive procedures: the user-friendly interface and clear instructions displayed directly on the screen make operating Aura X straightforward.

InterConnected Native

Reliability is created by being interconnected

Predictive maintenance
Ultimate in reliability
Continuity in your work

Warranty extended to

3 years
in total

ICN System InterConnected Native

Say goodbye to unscheduled downtimes. The new Aura X autoclave range, featuring the ICN System, delivers predictive maintenance that anticipates technical issues, thereby ensuring the highest levels of reliability and continuity in your work.

By continuously monitoring software logs, the predictive maintenance system identifies potential faults, enabling technicians to plan proactive actions and prevent breakdowns and service interruptions.

No compromise on efficiency.

Less maintenance, higher productivity. The proven reliability of Aura X is guaranteed by rigorous testing, including over 10.000 test cycles on the new condensate separation system and steam generator.

The components, designed to prevent the formation of condensate or residue, effectively protect the vacuum pump and heating element, significantly extending the life of the equipment. This achievement has allowed us to **extend the machine's warranty to 3 years**, demonstrating our confidence in the quality and durability of Aura X.

**Built to last:
superior quality
for each
and every
component.**



The perfect combination of reliability and durability.

The longer life of the vacuum pump and heating band, made possible by components that reduce stress and wear, results in greater efficiency and reliability.

Instant steam generator

The instant steam generator increases the speed of the operating cycle and, by virtue of its synergy with the Load Master load recognition system, optimises water consumption. The corresponding reduction in thermo-mechanical stress on the heating jacket extends its service life.

CFD cooling system

The cooling system, developed with the aid of CFD (Computational Fluid Dynamics), techniques optimises the handling of the vacuum pump, ensuring that it is more durable and effective over time.

Anti-condensation system

The condensate separator protects the vacuum pump by separating flows containing steam, dirt, lubricating oils and residues from sterilized instruments from the air. This creates ideal operating conditions and maintains efficiency.

Conductivity sensor

Continuous monitoring of water quality by an integrated conductivity sensor prevents malfunctions resulting from the use of unsuitable water.



Accessories, optionals and included items.

Interconnected traceability: a guarantee for safety.



ST001ZCU



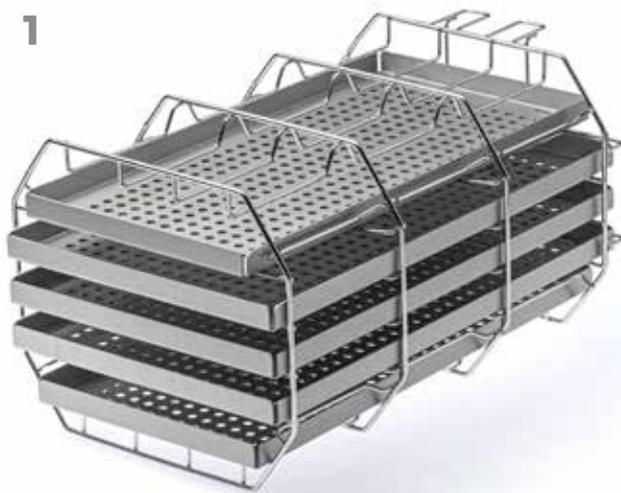
With Aura X, connectivity underpins traceability. Its stand-alone network enables a direct connection to a Wi-Fi printer, for comprehensive and integrated management of sterilization processes.

Highly versatile loading.

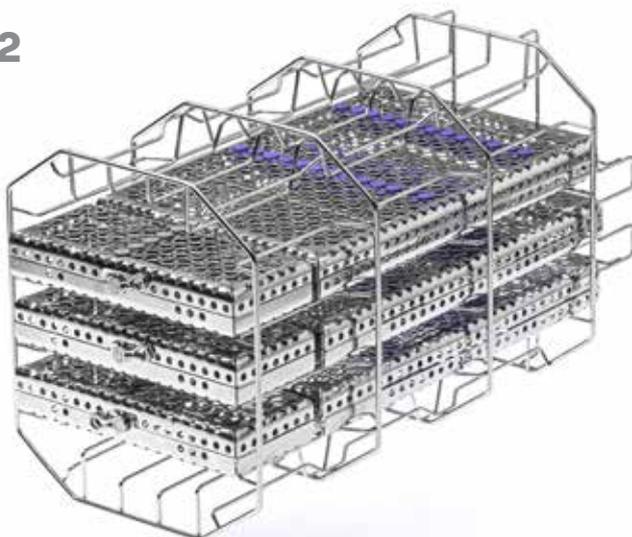


AURA X provides 2 solutions to optimise the load to be sterilized depending on different requirements.

1



2



The dual-purpose, circular tray holder is designed to **accommodate 5 trays (supplied) on one side.**

Accommodation of

5 trays

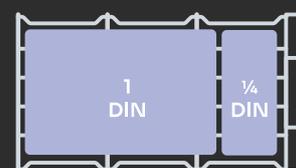
supplied

When rotated by 90°, it can accommodate up to **3 cassettes DIN + 3 cassettes 1/4 DIN** (not supplied by Tecno-Gaz).

90° rotated

3 DIN

3 1/4 DIN



Comparative table



AURA X BLUE



AURA X RED



AB001ZPB



AB002ZPB

Steam sterilizers for type B loads

Display	7" LCD colour Touchscreen	5" LCD colour Touchscreen
Instant steam generator	✓	✓
Water conductivity reader	✓	✓
Anti-condensation system	✓	✓
Hydraloop filtration system	✓	✗
Load Master system (load recognition)	✓	✓
CFD cooling system	✓	✓
Thermal insulation	✓	✓
ICN System (InterConnected Native System)	✓	✓
Automatic door locking	✓	✓
Connection to Wi-Fi printer	✓	✓
Cycle progress LED	✓	✓
Predictive maintenance	✓	✗
Capacity	22 liters	22 liters

Sterilisation cycles

Cycles	Universal	Universal	Prion	Flash
Load classification	B	B	B	B
Temperature	134°	121°	134°	134°
Sterilization time	4'	18'	18'	4'
Total cycle time*	21'	35'	36'	21'
Drying time**	18'	19'	20'	-
Maximum load	5,5 kg solid/ 2 kg porous	5,5 kg solid/ 2 kg porous	5,5 kg solid/ 2 kg porous	5,5 kg unpacked

* Load and initial temperature affect cycle duration. The times indicated do not include drying phases.

** Drying times vary depending on load.

Technical specifications

Dimensions (W/H/D) mm	528 x 467 x 562
Weight kg	60
Chamber capacity	22 lt
Supply voltage	230 VAC +/-10 % Single-phase
Max. power consumption	2,3 kW
Frequency	50 / 60 Hz
MAX working pressure	+2.3 barg
MIN working pressure	-0.86 barg
Max. discharge water temperature	90° C
Max. sound power level	< 70 db
Connectivity	Wi-Fi, USB
Device classification	Medical device class IIb
Working temperature	+5° C ÷ to +40° C
MAX altitude	2.000 m

Aura X sterilizers comply with the following standards and directives:

2017/745/EU
Requirements for medical devices

IEC 61326-1
Electromagnetic compatibility

IEC 61770
Electrical devices for connection to the water mains

2012/19/EU
Waste electrical and electronic equipment directive

IEC 61010-1
Technical safety requirements

EN 13060
Small steam sterilisers

2014/68/EU
Pressure equipment directive

IEC 61010-2-040
Special requirements for steam sterilisers

The steriliser can be certified in accordance with **EN ISO 17665-1**





The word "Aurax" in a bold, white, sans-serif font, with a stylized, curved line element extending from the end of the 'x'.

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