

Sterilization, Hygiene and Maintenance

#whdentalwerk



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Interrupting the chain of infection.

Good hygiene management is an essential part of everyday work in dental practices, because it is all about the safety of your patients, your staff and yourself.

Sterilization, Hygiene and Maintenance

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People have **Priority**

W&H at a glance

- › Headquarters in Austria
- › 1,300 employees worldwide
- › Established in 1890 in Berlin by Jean Weber and Hugo Hampel
- › Production facilities in Austria, Italy and Sweden
- › Represented in 130 countries
- › Export share over 95%

More information at
wh.com



W&H Dentalwerk
Bürmoos (A)



W&H Sterilization
Brusaporto (I)



The stakes are high.
We are working with
people.

Healthy development occurs when action is taken with foresight. This applies for sterilization, hygiene and maintenance just as it does for W&H: after all, as a family-owned company, we have been acting with the appropriate far-sightedness for generations.

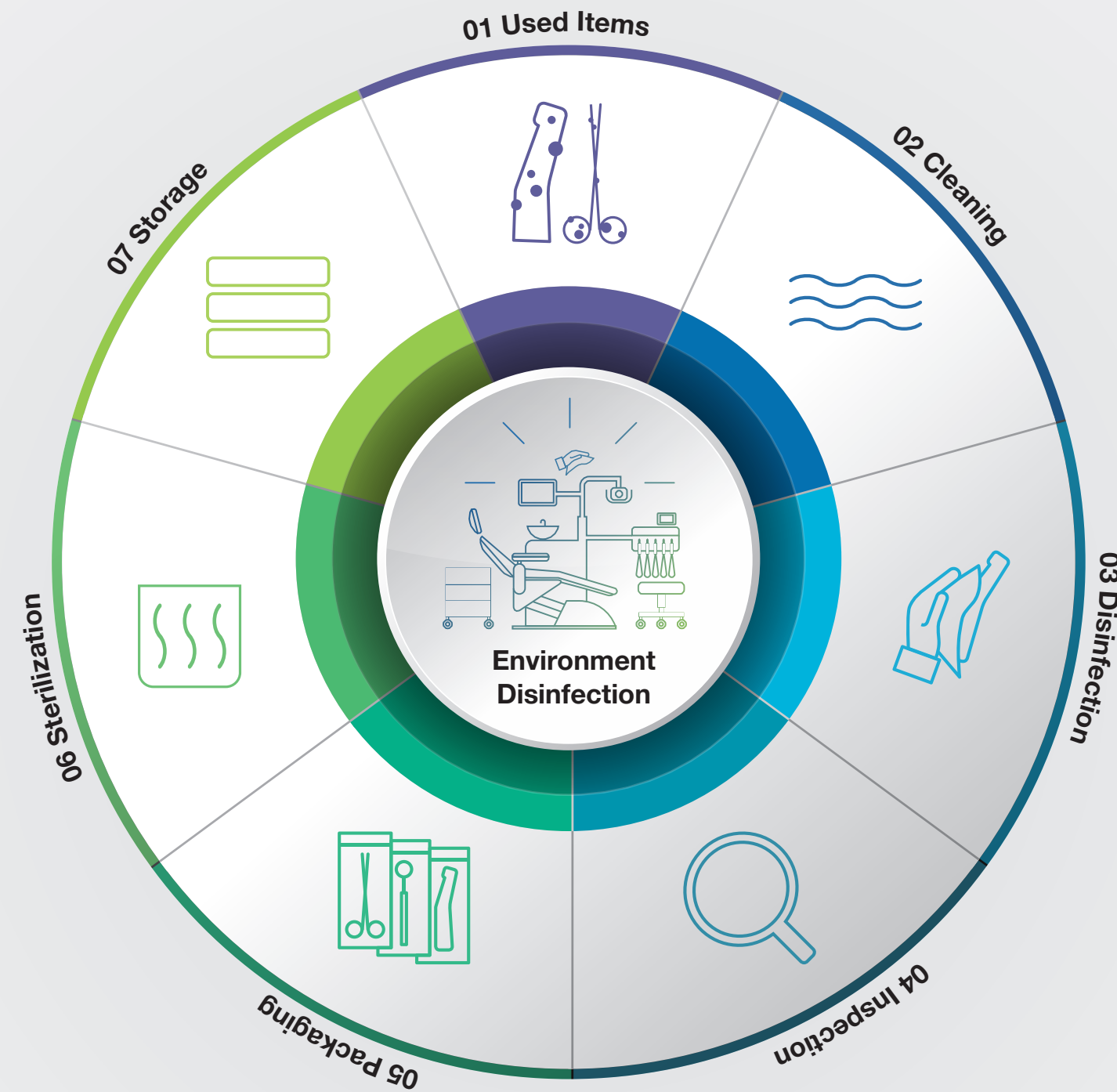
The secret to our success: W&H has always focussed on people – regardless of whether they are partners, customers, patients or employees. It would only be natural for you now to ask critically: Is that really put into practice? Our suggestion: put us to the test!

W&H AIMS

Safety first!

Hygiene is extremely important in the dental practice. W&H AIMS is here to help: with a wide product portfolio, fundamental knowledge and all relevant information at a glance.

For your safety and the safety of your patients. **aims.wh.com**



Thed fulfils every wish

More power, more speed, more flexibility, or all of it?

The thermal washer
disinfector devices Thed+
and Thed ensure powerful
cleaning and disinfection,
outstanding load flexibility,
reduced reprocessing times
and much more for the most
demanding clinics.



thed +
thed



Powerful cleaning & disinfection

Instruments can be cleaned, disinfected, and dried in less than 60 minutes. Handpieces, for example, can be reprocessed in just 35 minutes. Depending on the load, one or two washing levels can be used with Thed devices. This enables an optimum capacity utilisation of the 64-litre chamber.



Active air-drying with HEPA filter

To protect against recontamination, corrosion, and other damage, Thed devices ensure absolutely dry loads with the active air-drying feature.



EliSense Device Status

Thanks to the LED light in the handle, Thed+ provides information about the device status at a glance to optimise both the workflow and the output.



Eco Dry technology

With Eco Dry, Thed+ is able to recognize the amount of load and adjust the optimum duration of the drying phase accordingly.



Integrated process chemicals

In the undercounter version, the process chemicals are simply positioned in a drawer, with the tabletop version behind a plinth panel. The tabletop version offers a unique W&H cartridge system, which makes changing the process chemicals is even easier.

Cleaning with high-frequency sound waves

For safe reprocessing.

Ultrasonic cleaning is a quick and efficient method for perfect results. The use of ultrasonics facilitates removal of even the most stubborn deposits from difficult to reach areas where manual cleaning does not reach. The U-Son ultrasonic device from W&H enables highly effective cleaning.



U-son



High capacity and volume
with two different versions of 6 litres and 3 litres. Main switch on/off loading and unloading in compliance with safety conditions.



Rounded corners
inside the tank for easy removal of dirt and residues.



Time & temperature settings
The U-Son device consists of a digital control panel that allows cleaning times and temperature to be controlled electronically.



Stainless steel
for excellent resistance to corrosion and a longer service life of the device. High capacity and volume with two different versions of 6 litres and 3 litres.

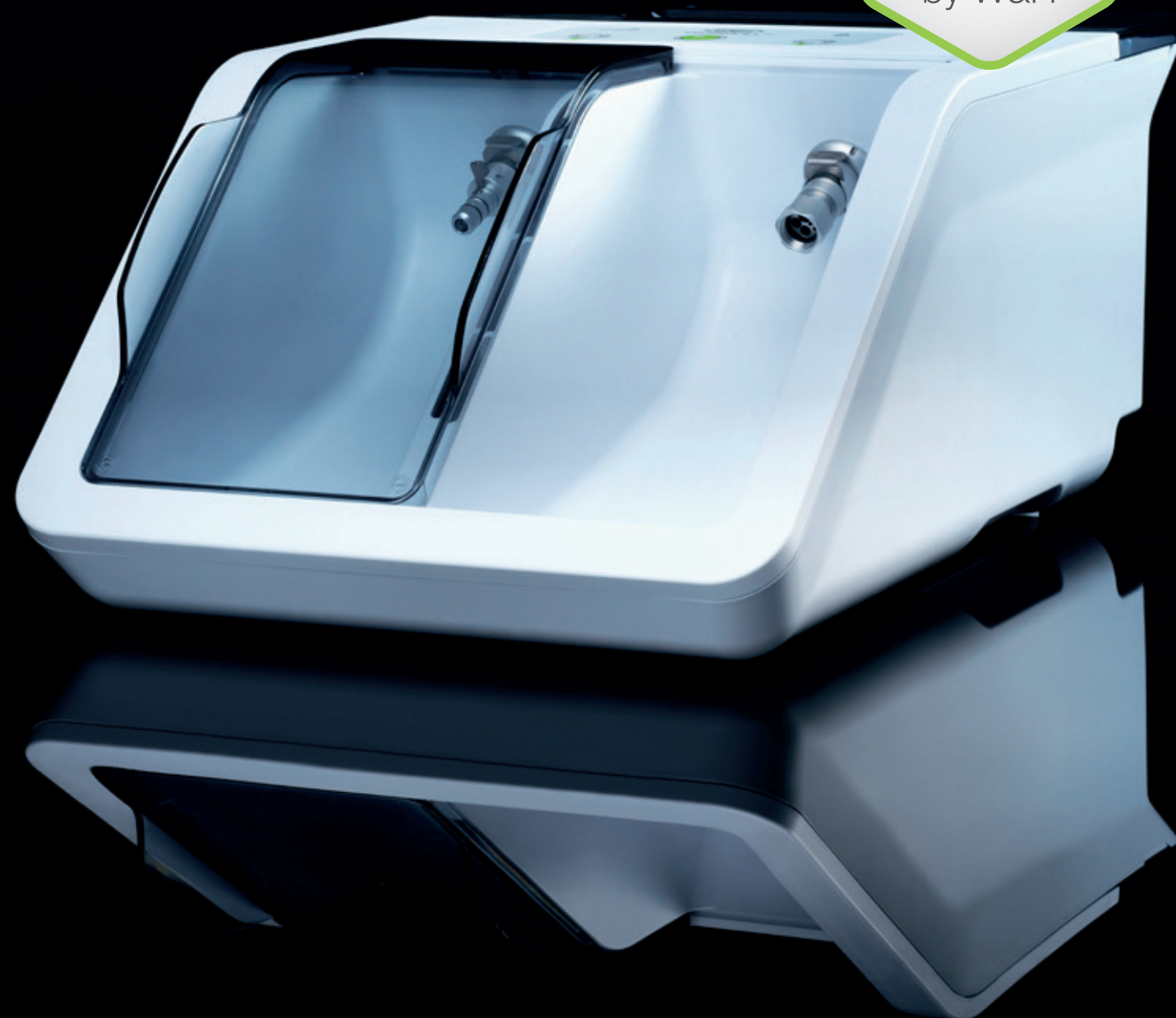


BePro – Instruments
For the reprocessing of dental instruments, W&H offers the BePro Instruments products with particularly effective components.

Lubrication in record time

Simple, fast, efficient.

With its innovative dual-chamber system, record time lubrication and the environmentally friendly Care Set, it impresses all along the line. The Assistina Twin has now been enhanced with an innovative adaptor solution: **Quick Connect by W&H**. This adaptor system offers you even more benefits for your everyday practice.



assistina^{TWIN}



Simple and fast

It is the first reprocessing device which is equipped with two process chambers that can be used alternately. W&H succeeded in decreasing the maintenance process to a record time of just 10 seconds.



Efficient

Thanks to the smart process monitoring, the Assistina Twin always achieves thorough maintenance with minimum consumption. The Assistina Twin Care Set only needs to be changed after around 2,800 instruments.



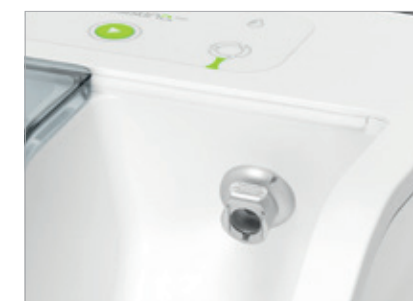
Groundbreaking technology

Thorough and comprehensive lubrication of the gear parts (orange) and cleaning of spray channels (green) thanks to innovative oil nebulization technology.



Safe

All aerosols are removed from the process chambers through active suction and an integrated HEPA filter.



Quick Connect by W&H

It is the first reprocessing device which is equipped with two process chambers that can be used alternately. The Assistina Twin's innovative Quick Connect by W&H connection simplifies assembly and removal of straight and contra-angle handpieces and turbine handpieces. You can choose the appropriate adaptors for your requirements.

The ONE for a new level of maintenance

Fast, thorough and easy to use.

Assistina One speeds up daily operations and facilitates dental handpiece care. With the shortest cycle time in its class and its high-quality care results, the innovative maintenance solution is a top dental device – designed for top dental professionals.



assistina^{ONE}



Innovative lubrication technology

The entire lubrication and spray channel cleaning process only takes 18 seconds, making the Assistina One the fastest maintenance solution in its class. It only works with compressed air; no electric power supply is needed. With the ground-breaking technology of oil nebulisation, dental transmission instruments are lubricated even faster and more thoroughly than ever before.



Quick Connect System

Flexible switching between handpieces with Quick ISO and Quick RM adaptors. Thanks to its wide range of adaptors, the Assistina One can meet the requirements of all clinics.



Spray channel cleaning

By cleaning the spray channels and drying the inner parts with compressed air, it reduces potential blockages caused by limescale deposits and therefore ensures smoother operation, longer lifespan, and less service costs.



Cost-effectiveness process

The system uses exactly the amount of oil required for optimal instrument lubrication. More than 2,800 instruments can be maintained with just one Care Set, saving money, time, and oil spray cans.



Ready-to-use cartridges & Hepa Filter

Convenient cartridge management for refilling oil and cleaning liquids. With the active suction and HEPA filter, aerosols are removed from the process chamber, keeping the working environment clean and safe.

Perfect for drying your handpieces

Q-Dry provides an optimal internal drying solution for handpieces after manual and automatic cleaning processes. By effectively removing liquids from within the handpieces, Q-Dry ensures that no spots are left on the pouches after sterilization.

Ergonomic design
Enjoy an intuitive user experience and the ability to dry other hollow instruments.

Quick Connect by W&H
With the Quick Connect feature, you can switch effortlessly between different types of handpieces.

Compatibility
Benefit from using the same adaptors found in the Assistina portfolio.



Q-Dry

System overview adaptors Assistina Twin, Assistina One & Q-Dry

Straight and contra-angle handpieces

All straight and contra-angle handpieces with ISO connection	
Contra-angles with removable heads	MCA-ISO-HD adaptor for removable contra-angle heads, REF 02679000
T1 Classic from Sirona Dental Systems for contra-angle handpieces	MCA-ISO-T1 adaptor Sirona T1 contra-angle handpieces, REF 02691000
FG chuck system (W&H, Sirona Dental Systems)	MCA-ISO-CK adaptor Chuck FG, REF 02693000
W&H handpiece and contra-angle head	MCA-ISO-PL adaptor Universal, REF 05204600

Turbines

W&H turbines, air scaler and air motors with Roto Quick system	MCA-RM-RQ adaptor Roto Quick, REF 02690400
T1, T2, T3 from Sirona Dental Systems	MCA-RM-S adaptor Sirona turbines, REF 02692000
Turbines with Multiflex connection from Kaltenbach & Voigt	MCA-RM-M adaptor Multiflex, REF 04713200
Turbines with Borden 2(3)-hole connection	MCA-RM-BC adaptor Borden, REF 02083500
Turbines or adaptors with standard 4-hole connection (with or without light)	

MCA-QC-ISO adaptor
Quick ISO, REF 06422600

MCA-QC-RM adaptor
Quick RM, REF 06395100

Excellence. Redefined.

Efficient sterilization with maximum protection.

Discover a sterilizer designed to offer you something truly valuable: peace of mind, every day. Lisa combines intuitive operation with a refined, modern look – ensuring clarity, confidence and effortless control in your workflow.



EliSense

EliSense delivers information on the sterilization status, the temperature of the load and to optimise the daily workflow.



EliTrace

With EliTrace, the sterilization process can be traced and documented down to the individual instrument or instrument kit. Without additional software or computer.



5" display

A modern touchscreen ensures effortless operation and excellent visibility at all times.



ioDent®

Smart technologies

The Lisa sterilizer opens up future-ready possibilities while simultaneously streamlining everyday workflows. With ioDent® and the W&H Steri App, Lisa integrates seamlessly into your digital processes.



Eco Dry +

The reduced cycle time of 28 minutes for a 2 kg load ensures a longer lifespan of the instruments and reduced energy consumption. The innovative, Eco Dry + technology adapts the drying time to reflect the mass of load.

Speeds you up

Lisa Mini speeds up your daily workflow.

The device impresses with incredible fast cycles and its flexible usability. The compact dimensions guarantee an optimal integration into the reprocessing room. Fully equipped, Lisa Mini also offers the peace of mind of a type B sterilizer such as our Lisa, Lara or Lina sterilizers.



lisa^{mini}



Unbeatable cycle times

Thanks to the optimised cycle profile, wrapped instruments like handpieces can be sterilized in less than 18 minutes. Unwrapped loads can be sterilized in less than 9 minutes.



Small dimensions

Thanks to its small dimensions, Lisa Mini can be easily positioned in the reprocessing room. Moreover, it offers the possibility to stack items on top.



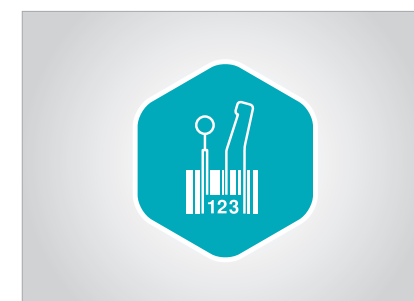
High load flexibility

Lisa Mini is available with a chamber size of either 3 litres or 5 litres. With the 3 litre chamber, Lisa Mini can reprocess up to 1 kg of load, which corresponds to up to 15 handpieces. In the 5 litre version, it is 1.5 kg, which corresponds to up to 22 handpieces.



Ready for the future

The sterilizer offers future-oriented connectivity options. The documentation of sterilization cycles is automatically saved via a high-capacity UBS stick. Wi-Fi and LAN connections offer the possibility to download cycle reports directly to any PC or smart device.



Advanced upgradeability

With the optional Activation Code EliTrace the sterilization process can be traced and documented down to the individual instrument or kit. Without additional software or computer.

Maximum capacity minimum dimensions

Surprisingly spacious chamber.

Compact external dimensions and an XXL chamber with 38 litres characterise the Lara XXL sterilizer and make it surprisingly spacious. Easy to position on a standard worktop, the device not only impresses with its high loading flexibility and simple navigation, but also with much more.



lara^{XXL}



38 litre chamber

Lara XXL is able to reprocess up to 12 kg of containers and 10 kg of wrapped instruments, which is about twice the capacity of a standard sterilizer. Thanks to its chamber size and its 6-tray rack, it is extremely flexible.



Compact outer dimensions

Due to its compact dimensions, Lara XXL is easy to install and without modification of the reprocessing room. A standard worktop with a depth of 60 cm is all you need to set up the XXL sterilizer.

eco dry

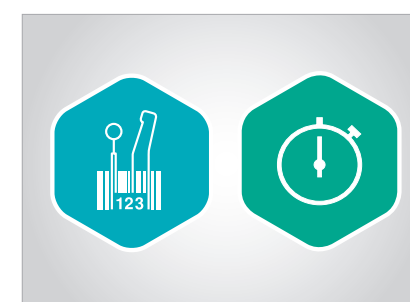
Eco Dry technology

Lara XXL is able to automatically adjust the drying time for small loads (0.5 kg), average loads (3 kg) and full loads. Thus, a 3 kg load can be reprocessed in about 40 minutes using a type B cycle.



Connectivity and traceability

The sterilizer offers future-oriented connectivity options. The documentation of sterilization cycles is automatically saved via a high-capacity UBS stick. Wi-Fi and LAN connections offer the possibility to download cycle reports directly to any PC or smart device.



Activation Code system

With the optional Activation Code EliTrace the sterilization process can be traced and documented down to the individual instrument or kit. Without additional software or computer. The Fast cycle upgrade enables sterilization of unwrapped instruments, including handpieces in just 20 minutes.

Lara XL

Xceed Limits

Lara XL will exceed your expectations.

The device convinces with even more capacity, energy-saving and fast type B cycles as well as a wide range of connectivity and advanced traceability options.



lara^{XL}



Xceeding performance

The reduced cycle time of 40 minutes for a 2 kg load ensures a longer lifespan of the instruments and reduced energy consumption. The innovative, patented Eco Dry + technology adapts the drying time to reflect the mass of load.



Xceeding capacity

With its 28 litre chamber, Lara XL is able to reprocess up to 7 kg of wrapped instruments or 9 kg containers. Thanks to its 6-tray rack, it is extremely flexible.



Xceeding usability

The intelligent menu structure of the Lara XL sterilizer ensures extraordinarily high operating comfort: You can navigate to the different functions quickly and intuitively using the large colour touch display.



Xceeding connectivity and traceability

The sterilizer offers future-oriented connectivity options. The documentation of sterilization cycles is automatically saved via a high-capacity UBS stick. Wi-Fi and LAN connections offer the possibility to download cycle reports directly to any PC or smart device.



Xceeding upgradeability

With the optional Activation Code EliTrace the sterilization process can be traced and documented down to the individual instrument or kit. Without additional software or computer. The Fast cycle upgrade enables sterilization of unwrapped instruments, including handpieces in just 20 minutes.

As unique as your practice

Easy to expand with customized upgrades.

Sterilize safely, easily and quickly – plus, you can customize the device to suit your needs: the standard version of the Lara sterilizers already offers the fastest sterilization cycle in its class – including standard documentation. An additional, newly developed Activation Code system offers even more speed and extended documentation if you so wish – and ensures you are optimally equipped even if your requirements change.



lara



Fast, faster, Lara

The standard version for type B cycles already gives you more time for your patients.

eco dry +



Even higher performance

If you need even more speed, you can use an Activation Code to perform a quick upgrade to Eco Dry + and the Fast Cycle for unwrapped instruments.



Built-in data logger

The integrated data logger saves the sterilization cycles on a high-capacity USB stick without additional cables and external devices.



User identification

If you would like to extend the documentation, there is a quick and simple upgrade available offering you the option of user identification and traceability of the approval confirmation.



Barcode label printer

The label printer can be connected to the sterilizer to print barcodes. Combined with the built-in data logger your traceability system is enhanced.

The essentials of sterilization

Simplified work processes.
The Lina sterilizers meet all requirements for your daily practice: simple operation, ergonomic and functional design, appropriate sterilization cycles and upgradeable functions guarantee high efficiency leading to maximum results.



Ease of use
The touch screen display enables smooth operation. The simplified user interface and menu structure support practices in all daily activities.



ECO B sterilization program
The cycle time can be reduced by half for small loads.



Design and maintenance
The easily removable cover allows effortless access to the water tanks without tools. Thanks to modular feet and compact layout the sterilizer fits in anywhere.



Traceability and upgradeability
The documentation of sterilization cycles is automatically saved via a high-capacity UBS stick. For even more flexibility, use the Activation Code system to activate additional functions to meet your changing practice needs and future requirements.



Barcode label printer
The label printer is a quick and easy tool to link the sterilization cycle with patients files. In combination with the integrated data logger, it improves your traceability system.

Significant for
your needs

Discover upgradeability.

The Lyla S type sterilizer offers the best cycle time in its segment and impresses through its upgradeability. The Activation Code system provides Activation Codes that offer a tailored opportunity to enhance additional features that meet your practice needs and comply with future requirements. Effectively, for customising and upgrading your sterilizer.



lyla



Smart upgrades

The Activation Code system provides several codes that offer a tailored opportunity to enhance additional features that meet your practice needs and comply with future requirements.



Super fast cycles

The different fast cycles available guarantee the possibility to sterilize several instrument types, including hollow bodies, both wrapped and unwrapped.



Secure traceability

With the integrated built-in USB data logger, the optional label printer and the W&H Steri App, Lyla offers a comprehensive traceability system that is customised to your needs.



Simple operation

The Lyla colour touch screen with its simple menu structure has been selected and designed to make your daily work easier, faster and more efficient.

High capacity and efficiency

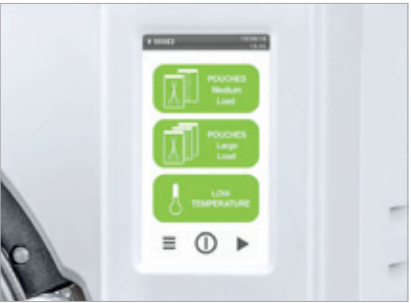
Lexa offers versatile cycle program options for medium and larger loads, guaranteed by the closed-door drying process with HEPA filters and the use of fresh water for each cycle.



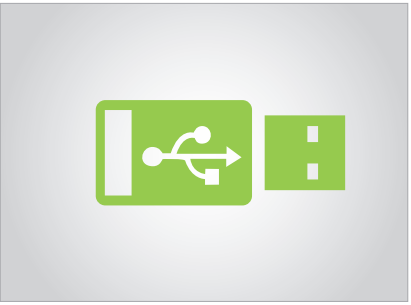
High efficiency and capacity
Lexa provides a large chamber capacity. The sterilizer comes with 4 large trays along with a unique rack providing larger loading surface and more loading options.



Customisable drying time
Lexa offers versatile program options for medium and larger loads in order to reduce overall cycle duration.



Increased usability
Due to the simple and intuitive menu interface, high-end colour touch screen and ergonomic design.



Customizable traceability system
Increased protection due to a complete and customizable traceability system including an automatic digital cycle recording on USB stick.

Enhanced traceability thanks to EliTrace

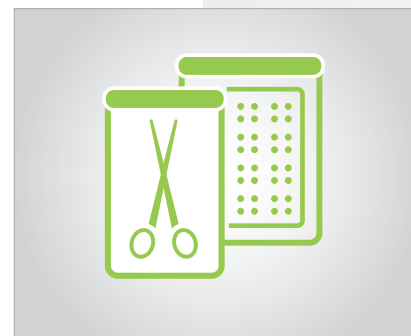
Benefit from a new level of traceability of your sterilizer: From now on, you will not only know exactly which cycles have been carried out at what time and date, but also which instruments were sterilized within this cycle.

The feature is available on Lisa.
More information at **wh.com**

1

Database Creation

Create your instrument database directly on the display of your sterilizer, on your smart device via W&H Steri App or PC.



2

Labelling and loading

Stick the related pre-printed QR code labels on each sterilization package before loading and make the link cycle-instrument.



3

Load release and status check

After the sterilization cycle, scan directly via W&H Steri App to check the status.



Unique upgradeability thanks to Activation Code system

The Activation Code system is an innovative upgradeability system that offers you a cost-efficient, rapid and customised opportunity to activate additional features to meet your changing practice needs and future requirements.

The Activation Code system is made for Lisa Mini, Lara XXL, Lara XL, Lara, Lina and Lyla.
More information at **activation.wh.com**



Performance

The "Performance" feature allows even faster cycle times by upgrading to Eco Dry +, which automatically adapts the drying time to the mass of the load.



Traceability

The "Traceability" feature enables user identification and load release confirmation. Identification is secured by a PIN directly on the sterilizer and the W&H Steri App.



EliTrace

With "EliTrace", the sterilization process can be traced and documented down to the individual instrument or kit. Without any additional software or computer.



Fast cycle

The "Fast cycle" feature enables sterilization of unwrapped instruments, including handpieces. For a quick cycle for in-between.



B cycle

The "B cycle" feature upgrades Lyla to B type sterilizer according to EN 13060.



Remote data storage

The "Remote data storage" feature is the ideal addition for the digital cycle documentation. It offers the possibility to save cycles directly on PC.



Warranty Extension

The Activation Code "Warranty Extension" extends the warranty of the sterilizer by 12 months.



All in One

The "All in One" feature provides all benefits at once – your sterilizer receives an unattainable price-performance ratio.

Accessories

Compact, practical, good.
W&H offers a wide range of accessories for optimization of the sterilization procedure. Minor extras lead to major results. Work in the dental practice becomes easier and your team saves time.



**EliSafe,
W&H Steri App, Sprint**



EliSafe label printer
The label printer is a quick and convenient tool to link the sterilization cycle with the patient file.



Barcode scanner
The EliSafe package includes a barcode scanner. This enables you to scan labels into the patient file.



W&H Steri App
With the W&H Steri App you are able to monitor up to 4 sterilizers in real time. The W&H Steri App enables you to recall cycle reports using the smart phone camera.



Sprint
To print out cycle protocols on thermal paper with 10-year paper warranty.

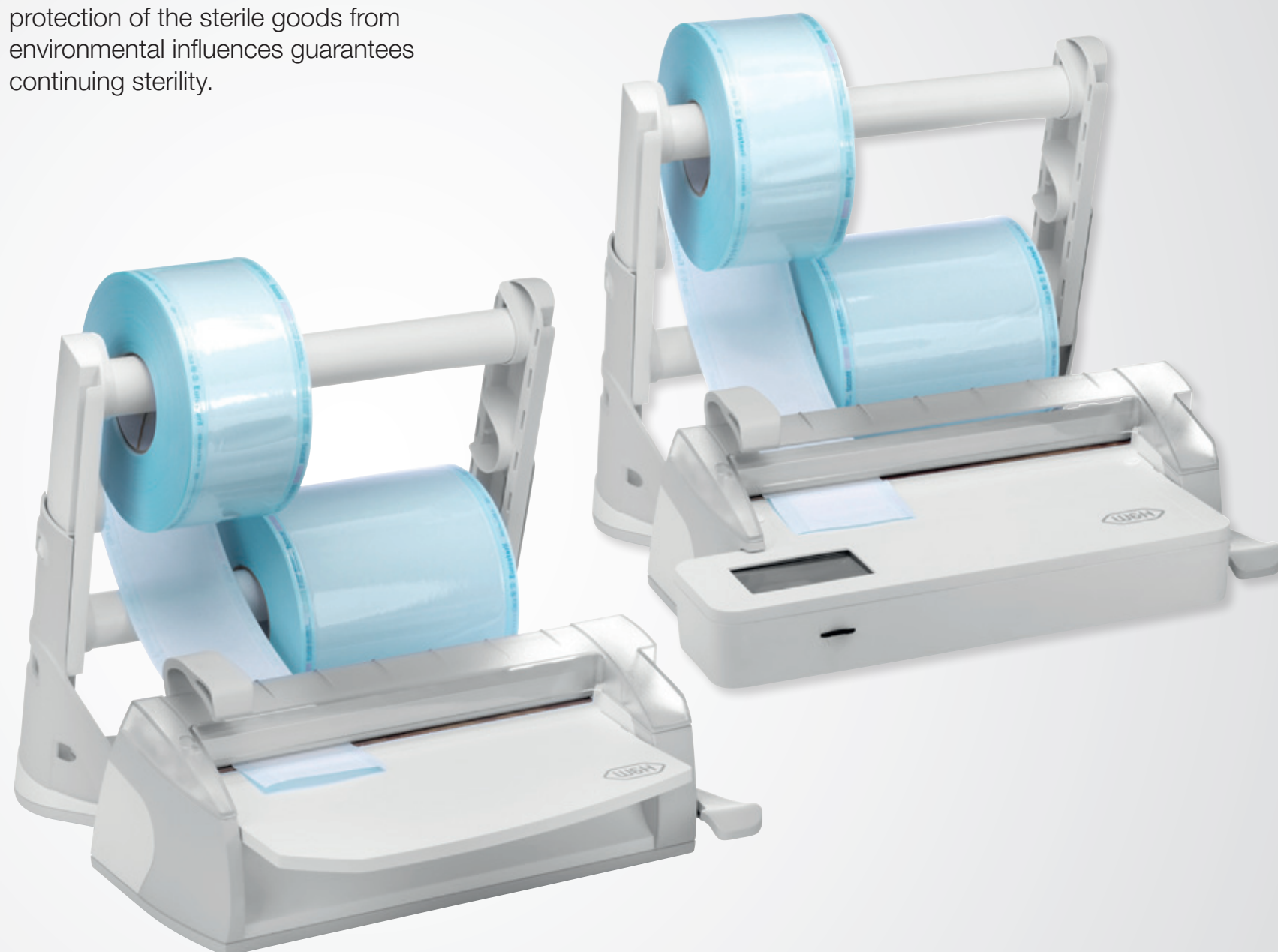


Helix test
The Helix test ensures optimum process control for type B sterilizers. The QR code on the test strips enables full traceability and easy use with eLog, the digital logbook.

A perfect sealing process

Safe and secure sterilization package.

It is not easy to keep a product sterile. Only absolutely hermetic and strong protection of the sterile goods from environmental influences guarantees continuing sterility.



Seal²/SealVal²



Perfect quality seals

The foil sealer creates a 12 mm wide seal in just two seconds with no risk of burning the sterilization package.



Convenient and user-friendly

Handling is optimized with this transparent sealing station and the integrated work surface.



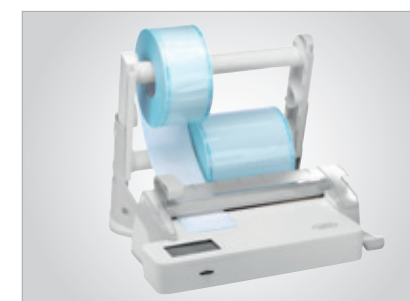
Flexible working

The patented double-roll holder takes a wide range of widths. The roll holder can be removed from the station and mounted on the wall. This allows flexible working in the smallest spaces.



SealVal² user-friendly touch screen

The touch screen and the intuitive menu structure facilitate the working process.



SealVal² full traceability

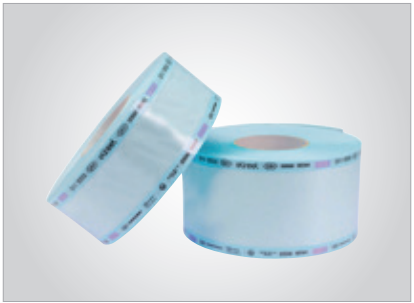
The recording of sealing parameters such as pressure, time and temperature ensures full traceability.

Secure packaging for sterile goods

EliReel rolls are the ideal packaging
for the safe reprocessing of dental
instruments in the sterilizer.



EliReel



Packaging at the highest level
The combination of paper and foil forms a reliable protective barrier against germs. EliReel is particularly resistant and has excellent drying properties.



Ease of use
To simplify daily use and avoid errors, there is only the steam indicator. It quickly and easily shows whether the sterile goods have already been sterilized. EliReel thus meets the highest requirements for sterile goods storage.



Peelable sealing seams
Pouches created with EliReel can be easily opened prior to treatment.

Water treatment systems

Ultrapure water for all systems.

Multidem supplies demineralized water for steam generation and can be used for many autoclaves and reprocessing devices.



Multidem



Compatible
Multidem is suitable for use with steam sterilizers and reprocessing devices. Up to 2 sterilisers can be connected simultaneously.



User-friendly
Cartridges can be replaced fast without tools. The cartridge can be positioned without a fixing.



Practical
Multidem is also equipped with a spray gun and is ideal for rinsing instruments prior to sterilization.



Economical
Multidem does not require an external power supply. It has an optimized ion exchange resin.



Safe
The purified water complies with the recommendations and guidelines for the correct reprocessing of instruments.

Water treatment systems

High-quality demineralized water.

Osmo is the best water treatment device to supply several sterilizers with high-quality demineralised water at the same time.



Osmo



Compatible
Osmo fills and drains up to 6 sterilizers automatically and simultaneously.



User-friendly
The screw-unscrew system makes cartridge replacement easier than ever. The cartridges can be replaced without any tools.



Practical
Osmo has a spray gun for manual filling of other devices or for rinsing instruments prior to sterilization.



Economical
The water storage tank has a capacity of seven litres. This makes Osmo not only the cost-effective solution for regions with poor water quality, but also for practices with a high water demand.



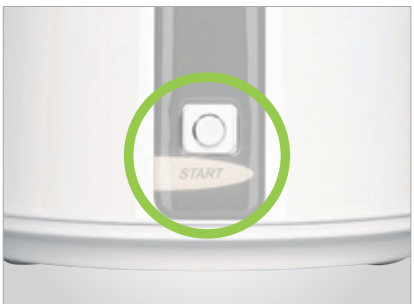
Safe
The purified water complies with the recommendations and guidelines for the correct reprocessing of instruments.

Water treatment systems

Distilled water of exceptional purity.
The Water Distiller enables economical production of distilled water for sterilization and produces pure water from tap water.



Water Distiller



User-friendly
Automatic heater cut-out, compact, silent and very simple to use. The Water Distiller stands out for its ease of use.



Practical
A water receiver is supplied together with the distiller.



Economical
The device supplies 4 litres of distilled water in less than 5 hours. With this volume, up to 8 sterilization cycles can be carried out in our sterilizers.



Dist 3
Dist 3 checks water quality by measuring the conductivity of the water.

BePro for perfect cleaning and disinfection

BePro protects people from infections and materials from contamination. Depending on the work or treatment step, surfaces, instruments, dental units or hands must be cleaned and disinfected in a hygienically safe manner in everyday practice. The W&H BePro hygiene portfolio covers the entire hygiene product needs of dental practices.

BePro – particularly effective, efficient & compatible

Effectiveness

- › Broad pathogenic spectrum: bactericidal, mycobactericidal, tuberculocidal, fungicidal, virucidal
- › High cleaning and disinfecting efficacy
- › Tested and EN compliant

Efficiency

- › Extremely short exposure times
- › Convenient all-in-one products (cleaning and disinfection)
- › Low dilution rate for concentrates

Compatible

- › Excellent tested material compatibility even on sensitive surfaces (incl. artificial leather and acrylic glass)
- › Gentle to the skin and dermatologically tested
- › Refillable packaging

BePro – Suction Systems

For the cleaning, disinfection and maintenance of dental unit's suction system and spittoon bowl.

BePro – Hand Care

For the cleaning and maintenance of hand and skin health.

BePro – Surfaces

For the cleaning and disinfection of

- › non-invasive medical devices e.g. dental units incl. upholstery, exterior parts of handpieces, patient environment.
- › large surfaces e.g. reception desks, waiting rooms, floors, handles, doors.

BePro – Instruments

For the decontamination of dental instruments e.g. scalers, probes, scissors, pliers, burs, files.

BePro – Automated Reprocessing

For thermal washer disinfectors or washers like the W&H Thed or Thed+.

Thed, Thed+

CE

Trade name:	Thed (Plus edition) ⁽¹⁾	Thed (Plus edition) ⁽¹⁾	Thed	Thed
Version:	Undercounter	Tabletop	Undercounter	Tabletop
Power supply:	3N 380–415 V; 220–240 V		220–240 V	
Frequency:	50–60 Hz		50 Hz	
Current:	13-16-32 A		16 A	
Overall dimensions (w × h × d):	598 × 815 × 628 mm	598 × 599 × 628 mm	598 × 815 × 628 mm	598 × 599 × 628 mm
Space required for installation (w × h × d):	600 × 818 × 630 mm	600 × 603 × 630 mm	600 × 818 × 630 mm	600 × 603 × 630 mm
Weight (empty):	72 kg	54 kg	72 kg	54 kg
Weight (fully loaded):	104 kg	76 kg	104 kg	76 kg
Chamber volume:	64 l	64 l	64 l	64 l
Active drying:	●	●	●	●
HEPA filter:	●	●	●	●
Cold water connection:	●	●	●	●
Demineralised water connection:	●	●	●	●
Warm water connection:	○	○	○	○
No. of peristaltic pumps:	3	2	3	2
No. of programs:	4	4	4	4
No. of customisable programs:	4	4	4	4
Cycle time including drying ⁽²⁾ :	Standard ⁽³⁾	55'	Standard ⁽⁴⁾	84'
	Intense ⁽³⁾	80'	Intense ⁽⁴⁾	110'
	Fast ⁽³⁾	43'	Fast ⁽⁴⁾	68'
	Handpieces ⁽³⁾	35'	Handpieces ⁽⁴⁾	55'

● default ○ optional

⁽¹⁾ The Plus edition refers to the fully featured device, ⁽²⁾ Total cycle time may vary depending on the type and load weight, drying phase duration, water supply pressure and temperature, voltage fluctuations on the mains supply and other factors. ⁽³⁾ Three-phase version, ⁽⁴⁾ Single-phase version at 230 V

U-Son

CE

Trade name: Type:	U-Son RIW-203	U-Son RIW-206
Tank capacity:	3 litres	6 litres
Recommended operating capacity:	2.1 l	4.4 l
Supply voltage:	230 V; 50/60 Hz	
Input power:	120 W	180 W
Input power with heating:	100 W	200 W
Weight (kg):	2.8 kg	4.7 kg
Overall dimensions (w × h × d):	265 × 220 × 165 mm	325 × 280 × 180 mm
Tank dimensions (w × h × d):	240 × 100 × 135 mm	300 × 150 × 150 mm
Number of transducers:	2	3
Ambient conditions:	Temperature from 5 to 40°C; rel. humidity 80% up to 31°C with linear decrease up to 50% at 40°C	
Installation category:	Class II according to IEC 61010-1	
Classification:	2017/745 Medical Device Regulation Class I, Non Active MD, Non Invasive MD, Non Implantable MD	

Assistina Twin

CE

Trade name: Type:	Assistina Twin MB-302
Process:	Cleaning of spray channels, lubrication
Suitable for:	Straight and contra-angle handpieces, turbine handpieces, air scalers, air motors
Supply voltage:	100–240 V AC
Maximum power consumption:	18 VA
Air consumption:	approx. 40 NI/min
Operating pressure:	5–10 bar (controlled via an integrated, automatic pressure controller)
Overall dimension (w × h × d):	297 × 190 × 435 mm
Weight:	3.5 kg
Capacity:	200 ml W&H Activefluid cleaning solution, 200 ml W&H Service Oil F1

Assistina One

CE

Trade name: Type:	Assistina One MB-301
Process:	Cleaning the spray channels, lubrication
Suitable for:	Straight and contra-angle handpieces, turbine handpieces, air scalers, air motors
Air consumption:	approx. 50 NI/min.
Operating pressure:	5–10 bar (controlled via an integrated, automatic pressure controller)
Overall dimension (w × h × d):	166 × 243 × 383 mm
Weight:	2.2 kg
Capacity:	200 ml W&H Activefluid cleaning solution, 200 ml W&H Service Oil F1

Lisa

CE0001 CE0407

Trade name: Type:	Lisa 17 VA131-17	Lisa 22 VA131-22
Chamber size:	17 l	22 l
Power supply:	200–240 V AC; 50/60 Hz; 10 A	
Power consumption:	2.0–2.4 kW	
Overall dimension (w × h × d):	465 × 452 × 634 mm	
Weight (empty):	46 kg	47.5 kg
Main/used water tanks:	4.8/4.8 l	
Working range:	7 to 15 cycles	
Usable space in chamber (w × h × d) ⁽¹⁾ :	195 × 195 × 312 mm	195 × 195 × 400 mm
Connection types:	5 USB ports, 1 Ethernet port, integrated automatic water filling connection	

(1) Usable space is referred to standard rack configuration

Lisa Mini

CE0001

Trade name: Type:	Lisa Mini RIS-303	Lisa Mini RIS-305
Chamber size:	3 l	5 l
Power supply:	200–240 V AC; 50/60 Hz; 10 A single phase 100–125 V AC; 50/60 Hz; 12 A single phase	200–240 V AC; 50/60 Hz; 10 A single phase
Power consumption:	2–2.4 kW (220 V)/1.2–1.5 kW (110 V)	
Overall dimension (w × h × d):	440 × 200 × 581 mm	440 × 200 × 666 mm
Weight:	21.9 kg	24.4 kg
Main/used water tanks:	1.6 l/0.6 l	2.5 l/0.6 l
Working range:	3 to 7 cycles	
Average air consumption:	50–60 (Nl)/min (13.2–15.8 (N)gal/min)	
Working pressure:	5–10 bar (73–145 psi)	
Connection types:	5 USB ports, 1 Ethernet port, automatic water filling kit	

Lara XXL

CE0001 CE0407

Trade name: Type:	Lara XXL RIS-338
Chamber size:	38 l
Power supply:	200–240 V AC; 50/60 Hz; 12 A single phase
Power consumption:	2.4–2.88 kW
Overall dimension (w × h × d):	492 mm × 455 mm × 797 mm
Weight (empty):	61 kg
Main/used water tanks:	4.8 l/5.1 l
Working range:	5 to 10 cycles
Usable space in chamber (w × h × d) ⁽¹⁾ :	230 × 230 × 560 mm
Connection types:	5 USB ports, 1 Ethernet port, automatic water filling kit

(1) Usable space is referred to standard rack configuration.

Lara XL

CE0001 CE0407

Trade name: Type:	Lara XL RIS-311
Chamber size:	28 l
Power supply:	200–240 V AC; 50/60 Hz; 10 A single phase
Power consumption:	2.0–2.4 kW
Overall dimension (w × h × d):	492 mm × 455 mm × 614 mm
Weight (empty):	54 kg
Main/used water tanks:	4.8 l/5.1 l
Working range:	5 to 10 cycles
Usable space in chamber (w × h × d) ⁽¹⁾ :	230 × 230 × 420 mm
Connection types:	5 USB ports, 1 Ethernet port, automatic water filling kit

(1) Usable space is referred to standard rack configuration

Lara

CE0001 CE0407

Trade name: Type:	Lara 17 RIL-117	Lara 22 RIL-122
Chamber size:	17 l	22 l
Power supply:	200–240 V AC; 50/60 Hz; 10 A	
Power consumption:	2.0–2.4 kW	
Overall dimension (w × h × d):	465 × 452 × 646 mm	
Weight (empty):	42.5 kg	44 kg
Main/used water tanks:	4.8/4.8 l	
Working range:	7 to 15 cycles	
Usable space in chamber (w × h × d) ⁽¹⁾ :	195 × 195 × 312 mm	195 × 195 × 400 mm
Connection types:	2 USB ports, integrated automatic water filling connection	

(1) Usable space is referred to standard rack configuration

Lina

CE0001 CE0407

Trade name: Type:	Lina 17 RIK-117	Lina 22 RIK-122
Chamber size:	17 l	22 l
Power supply:	200–240 V AC; 50 Hz or 60 Hz; 10 A single phase	100–125 V AC; 50 Hz/60 Hz; 12 A single phase
		200–240 V AC; 50 Hz or 60 Hz; 10 A single phase
Power consumption:	2.0–2.4 kW	110 V: 1.2–1.5 kW
		220 V: 2.0–2.4 kW
Overall dimension (w × h × d):	465 × 452 × 646 mm	
Weight (empty):	40 kg	42 kg
Main/used water tanks:	4.8/4.8 l	
Working range:	7 to 10 cycles	
Usable space in chamber (w × h × d) ⁽¹⁾ :	195 × 195 × 312 mm	195 × 195 × 400 mm
Connection types:	1 USB port in the front (additional 1 in the rear as option), automatic water filling kit (optional)	

(1) Usable space is referred to standard rack configuration

Lyla



Trade name: Type:	Lyla 17 RIN-210	Lyla 22 RIN-210
Chamber size:	17 l	22 l
Power supply:	200–240 V AC; 50 Hz or 60 Hz; 10 A single phase	100–125 V AC; 50 Hz/60 Hz; 12 A single phase 200–240 V AC; 50 Hz or 60 Hz; 10 A single phase
Power consumption:	2.0–2.4 kW	110 V: 1.2–1.5 kW 220 V: 2.0–2.4 kW
Overall dimension (w × h × d):	465 × 452 × 646 mm	
Weight (empty):	40 kg	42 kg
Main/used water tanks:	4.8/4.8 l	
Working range:	7 to 10 cycles	
Usable space in chamber (w × h × d) ⁽¹⁾ :	195 × 195 × 312 mm	195 × 195 × 400 mm
Connection types:	1 USB port in the front (additional 1 in the rear as option), automatic water filling kit (optional)	

(1) Usable space is referred to standard rack configuration

Lexa

Meets the requirements of ASME Boiler and Pressure Vessel Code

Trade name: Type:	Lexa 110 MN-111	Lexa 220 MN-111
Chamber size:	28 liters (7.4 gal)	
Power supply:	100–125 V AC; 50/60 Hz; 12 A Single Phase	200–240 V AC; 50/60 Hz; 10 A Single Phase
Overall dimension (w × h × d):	490 × 452 × 616 mm (19.3" × 17.8" × 24.3")	
Weight (empty):	48 kg (105.8 lbs)	
Main/used water tanks:	6.4/6.7 l (1.7/1.8 gal)	
Connection types:	5 USB ports, 1 Ethernet port	

EliReel

EliReel							
Width × length:	5.5 cm × 200 m	7.5 cm × 200 m	10 cm × 200 m	15 cm × 200 m	20 cm × 200 m	25 cm × 200 m	30 cm × 200 m
Paper:	60g/m²						
Plastic:	PET/PP (polyester and polypropylene)						
Duration of sterility:	180 days (6 months) when stored correctly (temperature 20–25°C and humidity 35–50%)						

Seal²



Seal²		
Voltage:	200/240 V AC; single phase	100/120 V AC; single phase
Frequency:	50/60 Hz	
Power:	180 W	
Isolation class:	I/IPX0	
Fuse:	N. 2–5x 20 T4 A	N. 2–5x 20 F10 A
Conditions of use:	Indoor use only Max. altitude: 3000 m a.s.l. Temperature: +5/+40°C Max. relative humidity: 85 % Max. voltage tolerance: ±10 % Overvoltage category: II Pollution degree: 1	
Main switch:	Bipolar	
Weight:	7.1 kg	
Welding area:	12 × 310 mm	
Welding temperature:	Constant	

SealVal²



SealVal²		
Voltage:	200/240 V AC; single phase	
Frequency:	50/60 Hz	
Power:	180 W	
Isolation class:	I/IPX0	
Fuse:	Nr. 2–5x 20 T5 A	
Conditions of use:	Indoor use only Max. altitude: 3000 m a.s.l. Temperature: +5/+40°C Max. relative humidity: 85 % Max. voltage tolerance: ±10 % Overvoltage category: II Pollution degree: 2 Max. surge (≤ 5s): 230 V + 1200 V Max. surge (> 5s): 230 V + 250 V	
Main switch:	Bipolar	
Weight:	8.3 kg	
Welding area:	12 × 310 mm	
Welding temperature:	Standard mode Free option mode	180°C min. 170°C max. 200°C (set by the user)

Multidem, Osmo, Water Distiller

		CE	CE
	Multidem	Osmo	Water Distiller
Water treatment principle:	Demineralization	Reverse Osmosis	Distillation
Direct connection to sterilizer:	yes	yes	no
Number of connectable sterilizers:	up to 2 units	up to 6 units	–
Possibility of manual filling:	yes (spray gun)	yes (spray gun)	yes
Fulfilling sterilization requirements:	yes	yes	yes
Water quality output:	0.5–2 µS/cm	0.5–5 µS/cm	5–10 µS/cm
Produced water:	60 litres/1h	30 litres/1h	4 litres/5h
Volume storage tank:	–	7 litres	4 litres
Water pressure (min./max.):	2–8.6 bar	0.5–5 bar	–
Main device dimensions (w x h x d):	12,4 x 12,3 x 47,6 cm	37 x 52 x 13 cm	23 cm (Ø) x 36 cm (h)
Water tank dimensions (w x h x d):	–	23 cm (Ø) x 35 cm (h)	17 cm (Ø) x 25 cm (h)
Weight:	2.7 kg	13 kg	3.5 kg
Electrical supply needed:	no	yes	yes
Electrical power supply:	–	230 V AC; 50/60 Hz; 0.6 A 115 V AC; 50/60 Hz; 1.2 A	230 V AC; 50 Hz
Wall mount:	no	yes	no
Backflow preventer according to EN1717:	yes	yes	–
Demineralized water according to EN13060 Annex C:	yes	yes	yes

Notes

[illegible]

Notes

[illegible]

Notes

[illegible]

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