

# W&H Sterilizers

Made-to-measure precision and perfection



Totally type B



lisa



A technical leap has been achieved: Lisa has become fully automatic. At the forefront of modern dentistry, Lisa is a technological masterpiece, integrating on-board computer, traceability system and “made-to-measure” sterilization cycles.

## “Made-to-measure” automatic cycles

With its new automatic type-B cycles, Lisa brings advantages all round: adaptation and reduction of the cycle time according to the number and type of instruments to be sterilized and shortened drying through the patented ECO-Dry system.

## A must for medium loads

By reducing the cycle duration according to the load mass, Lisa becomes a premium performing sterilizer for medium loads as there is no need to wait until a full load is available. The result is time savings of 15 to 25 minutes for these smaller loads. Your valuable instruments are less exposed to heat, therefore increasing their lifespan.

## Air detection: automatic cycle validation

So as to ensure the successful outcome of the made-to-measure cycles, Lisa is equipped with an air detection system that confirms the full exposure of instruments to saturated steam, even with hollow loads. The result is automatically validated cycle performance and extra safety against cross-infection.



**W&H invents the cycle that adapts to the load**



# Traceability at your fingertips

lisa

With its new traceability system, W&H goes even further in terms of safety whilst keeping it simple. Programming, identifying, validating, saving and printing is all done by simply touching Lisa's interactive screen.

## Full legal protection

As recommended by the applicable hygiene guidelines, W&H's traceability concept makes the link from the instruments used for treatment and the corresponding sterilization processes to the patient file so that your hygiene protocol is complete.

## No risk of error

Traceability begins by demonstrating that the sterilization cycle is compatible with all load types (hollow loads, implantology cassettes etc.). This is always the case with Lisa whose cycles are all of hospital grade type-B. This characteristic means peace of mind for the medical team.

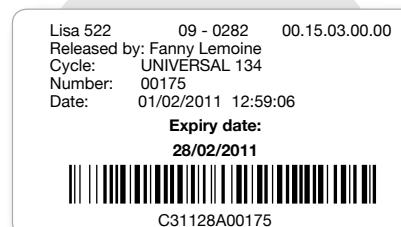
## Integrated automatic traceability

Lisa has an on-board computer that automatically manages the whole traceability procedure. Therefore, there is no need for a computer or dedicated software. This also avoids moving between the sterilizer and the surgery's computer and handling both.



## Releasing the load for use

At the end of the cycle and after the door has opened, the user can release the load for use by identifying themselves and entering their unique password directly on the touch-screen. Releasing the load will only be authorized if the cycle has completed successfully.



## LisaSafe traceability pack - makes the link to the patient file

The LisaSafe barcode label printer is connected directly to the Lisa sterilizer. After the treatment procedure, the barcodes are scanned into the patient's file.





Welcome to Lina, the new addition to the W&H range of sterilizers and a reliable partner which can be adapted to your practice requirements.

## 100% type-B cycles (obviously)

Staying true to the W&H concept, the Lina sterilizer offers exclusively hospital grade type-B cycles as well as a short ECO-B cycle for your small loads. With its user-friendly key-pad, you can navigate all the sterilization options easily.

## Simple and expandable

Lina offers a great price performance ratio and was designed to evolve according to the needs of your practice. When required, you can add the optional Multiport which allows the saving of cycles on USB stick and the printing of barcode labels via the LisaSafe printer. Connection to the W&H water treatment and filling system Multidem is also possible.



*Multiport option*



# Highly efficient cycles!

## Lisa «made-to-measure» sterilization cycles

Sterilization cycle	B-Universal 134	B-Prion 134	B-Universal 121
Temperature	135.5 °C	135.5 °C	122.5 °C
Pressure	2.16 bar	2.16 bar	1.16 bar
Plateau duration	4'	19'	15'
	Made to measure cycles + ECOdrying	Typical Load	Made to measure cycles + ECOdrying
Total cycle duration including <b>complete drying</b>	Automatic from 20' to 46'	33'	Automatic from 34' to 60'
Lisa 517			47'
Lisa 522	Automatic from 23' to 52'	33'	Automatic from 37' to 66'
			47'
Max solid loads: Full/Typical/Max porous load	Lisa 517: 4.5kg/2kg/1.5kg • Lisa 522: 6kg/2kg/2kg		
Test cycles	Helix/Bowie & Dick/Vacuum test		

## Lina sterilization cycles

Sterilization cycle	B-Universal 134	B-Prion 134	B-Universal 121
Temperature	135.5 °C	135.5 °C	122.5 °C
Pressure	2.16 bar	2.16 bar	1.16 bar
Plateau duration	3.5'	18'	15'
	ECO-B	Full Load	Typical Load
Total cycle duration including drying (warm start)	25'-30'	59'	52'
Lina MB17			40'-45'
Lina MB22	28'-35'	72'	59'
			74'
			66'
			73'
Max solid: ECO/full/typical loads/	Lina MB17: 0.5kg/4kg/2kg/1.5kg • Lina MB22: 0.5kg/5kg/2kg/1.8kg		
Max porous load			
Test cycles	Helix/Bowie & Dick/Vacuum test		

# The complete range of accessories for W&H sterilizers

## Traceability



### LisaSafe traceability pack

The pack offers a plug and play solution for making the automatic link with the patient, avoiding unnecessary handling and risk of error.

The labels from pouches containing instruments used during treatment are simply scanned into the patient's file. The barcode reader is compatible with all computers and dental software.

*Note: suitable for Lina via the optional Multiport*

### LisaWare

With W&H's software, cycle records are automatically saved on your computer and you can monitor the status of up to 4 Lisas directly from the computer screen.



*LisaWare*

### Multiport

Adaptor giving the option of saving Lina sterilization cycles on USB stick and connecting the LisaSafe barcode label printer.



*Multiport*

### Print : Print for Lisa

Lisa's dot matrix printer can be used for printing sterilization cycles on standard paper rolls.



*Print*

### Sprint : Sprint for Lina

For the printing of cycle records on 10-year guaranteed thermal paper.



*Sprint*

## Pouch sealing device

### Express wrapping with Seal<sup>2</sup>

In just 2 seconds, the Seal<sup>2</sup> pouch sealing device produces 12 mm seals for rolls up to 310 mm wide. The sealing temperature is electronically regulated to guarantee a perfect hermetic seal.

### Ease of use, big capacity and saves room

The transparent sealing station and integrated work surface improve handling. The patented double roll holder can accommodate a large selection of roll-widths, is detachable from the sealing station and can be wall-mounted.



Seal<sup>2</sup>



## Water demineralizer systems

### High volume water supply with Osmo

The Osmo system supplies a very large quantity of pure water and ensures the automatic filling of one or more sterilizers simultaneously.

### Multidem: a precious source of water

Multidem supplies demineralized water to W&H or other brand sterilizers. What's more, the changing of the resin cartridges is done in a matter of seconds and without the need of a special tool.



Osmo



Multidem

# Technical Data

**W&H sterilizers were designed,  
certified and validated with the most stringent  
Directives and Standards:**

93/42/EEC	Medical Device Directive
97/23/EEC	Pressure equipment Directive
ISO 17665 [EN 554]	Validation and routine control
EN 13060	Small steam sterilizer
EN 61326	Electromagnetic compatibility
EN 61010-1	Safety requirements
EN 61010-2-040	Specific requirements for steam sterilizer

## Technical characteristics Lisa

Power supply	200/240 VAC 50-60 Hz/10A
Power consumption	2000-2400W
Dimensions overall [mm]	W:450-H:435-D:599
Weight	Lisa 517: 43,9kg Lisa 522: 46,2kg
Mean sound levels ( $L_{WA}$ )	62dB
Main/Used water tanks	4/3.5 litre
Working range	7 to 11 cycles
Usable space in chamber [mm]	17l- W:195 x H:205 x D:300 22l- W:195 x H:205 x D:385

Connection types : parallel, serial, Intranet  
LAN (option), integrated  
automatic water inlet filter



CE  
0051 0497

## Technical characteristics Lina

Power supply	200/240 VAC 50-60 Hz/8.75A
Max. Power consumption	1700W
Dimensions overall [mm]	W:450-H:435-D:599
Weight	Lina MB17: 38kg Lina MB22: 40.5kg
Mean sound levels ( $L_{WA}$ )	63 dB
Mains/Used water tanks	4/3.5 litre
Working range	4 to 7 cycles
Usable space in chamber [mm]	17l- W:195 x H:195 x D:297 22l- W:195 x H:195 x D:390

Connection types : serial

## Manufacturer

**W&H Sterilization Srl.**  
Via Bolgara, 2  
24060 Brusaporto (BG), Italy  
t +39-035-66 63 000  
f +39-035-50 96 988  
office.sterilization@wh.com  
wh.com



(ISO 9001 : 2000  
Certificate N° 9130 WE/H1)



(ISO 13485 : 2003  
Certificate N° 9124 WE/H2)

