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STERILISATION |

Simple solutions made to measure

Sede Legale ed Amministrativa / Headquarters
CEFLA s.c.
Via Selice Prov.le, 23/a
40026 Imola (BO) - Italy
Tel. +39 0542 653111
Fax +39 0542 653344

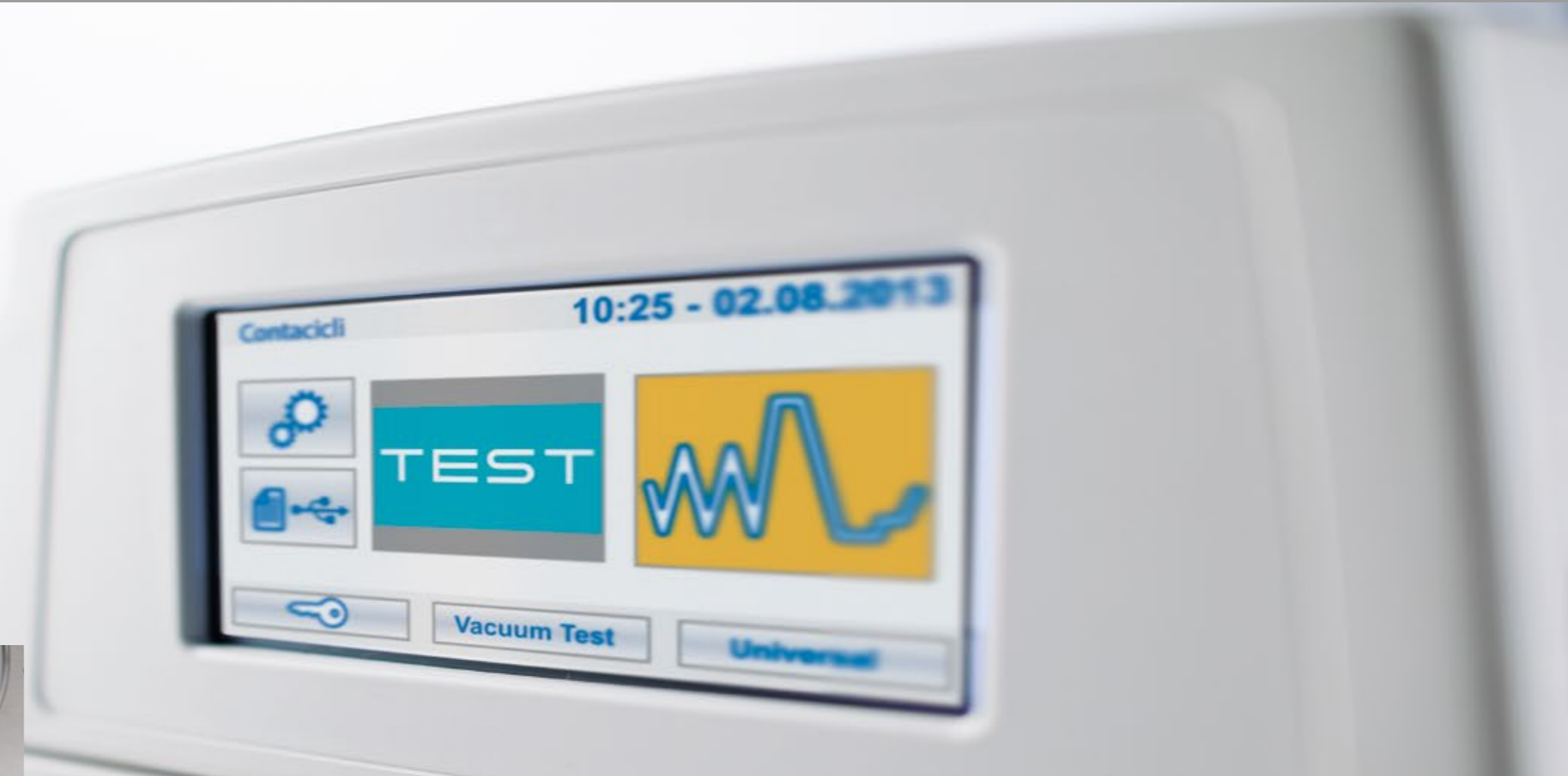


Produttore / Manufacturer
Cefla Dental Group
Via Bicocca, 14/C - 40026 Imola (BO) - Italy
Tel. +39 0542 653441 - Fax +39 0542 653601
www.sternweber.com
sternweber@sternweber.com





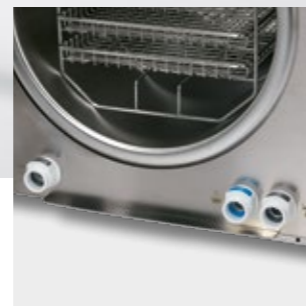
Sterilisation chamber
Made of electro-polished stainless steel, the chamber ensures both outstanding durability and consistent sterilisation quality of the very highest level. The work zone in front of the chamber is illuminated with a LED light.



Tanks
Filling and emptying tanks feature good accessibility, with large doors making inspection and cleaning tasks easier. A conductivity sensor installed inside the tank automatically ascertains the quality of the water.



Integrated filter
Both the interior of the steriliser and the steam condensation system are protected by a dust filter that ensures there are no impurities in the cooling air.



Filling and emptying
The unit features a fast coupling for manual filling/emptying; the user can also opt for the automatic system that draws water from an external tank, if necessary by connecting the autoclave directly to the demineraliser.

The new Stern Weber 17-PLUS, 22-PLUS and 28-PLUS sterilisers have been designed to lighten the dental personnel's daily workload while minimising the impact of manual tasks on general surgery workflows. With the brand new touchscreen display, users have immediate control over functions. Moreover, the system provides a comprehensive series of warning messages to highlight the importance of regular maintenance and so ensure constant high-level performance. Automatism, optional devices, systems that ensure traceability and dependable safety mechanisms are combined with the first-rate durability and reliability for which Stern Weber products are rightly renowned.



Cycle menu
Simple, easy-to-understand data icons on the colour display make work considerably easier for dental practice personnel, thus raising overall safety levels.



Delayed start
A perfect time-gaining solution: the programmable delayed start is a function that can, for example, be used to run daily tests just before the surgery opens.



Traceability
A unique bar code ensures that each user is provided, for the purposes of traceability, with data on the parameters of the treated load. Automatic saving of sterilisation process data is essential to ensuring conformity.



Wi-Fi connection
After each cycle the data is recorded on the internal memory and can be downloaded in PDF format via a USB memory device, an Ethernet connection or optional Wi-Fi connection module. Wi-Fi also allows real time data monitoring on a tablet or smartphone.



LCD Display
Via the colour touchscreen, the sterilisation technician can personalise, programme and pilot procedures quickly, effectively and with the utmost simplicity, thus making management of the entire process both faster and easier.

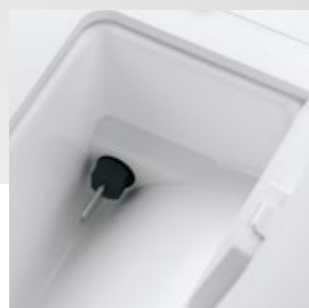




Steam generator
The powerful steam generator produces high quality saturated steam, with cycle rates receiving a further boost from outstanding vacuum pump efficiency. The resulting water savings are considerable. The integrated dust filter protects the sterilisation chamber and guarantees high quality cooling air.



Data logging
Data for each cycle is saved on a special memory inside the steriliser; it can subsequently be transferred to the PC via a USB storage device. Each operator has an individual PIN to enhance the traceability of each completed cycle.



Conductivity sensor
Incorporated in the tank, the conductivity sensor gauges the quality of the distilled water; should water quality be incompatible with the sterilisation process, a warning message appears on the display.



External printer
Connected via an RS232 serial port, the external printer records cycle-relevant data and prints it on thermal paper or labels.



Water feed system
Stern Weber sterilisers are made even more practical by a fully automated water feed system. The two tanks are accessible from above and easy to inspect and sanitise.



Service messages
The LCD display features regular info messages; these are designed to maintain maximum autoclave performance by ensuring the operator is always informed about the need to carry out simple routine maintenance tasks.



LCD display
A black and white display with incorporated keypad - which allows dental surgery personnel to select programmes and cycles or read icons and messages - means easy, user-friendly management of steriliser functions.



Fill / empty system
Features a fast coupling for manual filling/emptying; the user can also choose the optional automatic system that draws water from an external tank, if necessary by connecting the autoclave directly to the demineraliser.



Designed to optimise all aspects of in-surgery sterilisation, Stern Weber autoclaves are built to last and, thanks to outstanding reliability, always provide exceptional results. Available in three volumes (17, 22 and 28 litres), all models are easy to use and feature an LCD display showing user-friendly cycle data and menus. Hard-wearing and made of only the highest quality materials, these units are designed to meet all the dental surgery's sterilisation needs by providing an outstanding, workflow-optimising combination of functionality and ergonomics.



The quality is in the details
In addition to the quality of the overall construction, the effectiveness of Stern Weber sterilisers also stems from conscientious attention to detail. The three-tier door closure mechanism offers an outstanding degree of safety and ensures excellent seal efficiency.





| Technical data | SW-17 PLUS | SW-22 PLUS | SW-28 PLUS | SW-17 | SW-22 | SW-28 |
|-------------------------------------|---------------------|---------------------|--------------------|---------------------|---------------------|--------------------|
| Power supply voltage | 220/240 V | 220/240 V | 220/240 V | 220/240 V | 220/240 V | 220/240 V |
| Mains frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz |
| Rated power | 2300 W | 2300 W | 2300 W | 2300 W | 2300 W | 2300 W |
| External dimensions WxHxD | 480 x 500 x 600 mm | 480 x 500 x 600 mm | 480 x 500 x 600 mm | 480 x 500 x 600 mm | 480 x 500 x 600 mm | 480 x 500 x 600 mm |
| Chamber dimensions Diam. x Depth | 250 x 350 mm | 250 x 450 mm | 280 x 450 mm | 250 x 350 mm | 250 x 450 mm | 280 x 450 mm |
| Total weight | 51 kg | 56 kg | 60 kg | 49 kg | 54 kg | 58 kg |
| Tank capacity | 4,5 litres | 4,5 litres | 4,5 litres | 4,5 litres | 4,5 litres | 4,5 litres |
| Autonomy | from 7 to 11 cycles | from 6 to 10 cycles | from 5 to 9 cycles | from 7 to 11 cycles | from 6 to 10 cycles | from 5 to 9 cycles |
| Sterilisable load * | 6 kg | 7,5 kg | 9 kg | 6 kg | 7,5 kg | 9 kg |

* Maximum value refers to solid non-wrapped material.

| Equipment provided | SW-17 PLUS | SW-22 PLUS | SW-28 PLUS | SW-17 | SW-22 | SW-28 |
|------------------------|--|------------|------------|-----------------------------------|-------|-------|
| USB port | | • | | | | • |
| Ethernet (RJ 45 port) | | • | | | - | |
| Serial port (RS 232) | | • | | | • | |
| Anti-dust filter | | • | | | • | |
| Bacteriological filter | | • | | | • | |
| LED lighting | | • | | | - | |
| Trays | 5 (SW-17 and 22 PLUS) - 6 (SW-28 PLUS) | | | 3 (SW-17) - 5 (SW-22) - 6 (SW-28) | | |
| Tray extractor | | • | | | • | |
| Tray support | | • | | | • | |

• = standard
- = unavailable

Stern Weber provides a full range of sterilisation devices with a wide selection of cycles. Thanks to cutting-edge technology, each cycle is fast, effective and gives considerable water savings. Cycle rates and low consumption aside, Stern Weber sterilisers also maximise sterilisation safety and efficiency.

| Cycle | Cycle type | Sterilisation time | SW-17 PLUS | SW-22 PLUS | SW-28 PLUS | SW-17 | SW-22 | SW-28 |
|---|---|--------------------|------------|------------|------------|-------|-------|-------|
| Overall cycle times including drying (min) | | | | | | | | |
| 134°C UNIVERSAL | B | 4 | 31 | 36 | 45 | 37 | 41 | 48 |
| 121°C UNIVERSAL | B | 20 | 46 | 51 | 60 | 52 | 56 | 63 |
| 134°C UNWRAPPED HOLLOWES | S | 4 | 24 | 28 | 36 | 28 | 32 | 39 |
| 134°C WRAPPED SOLIDS | S | 4 | 24 | 28 | 36 | 30 | 32 | 39 |
| 134°C PRION | B | 18 | 45 | 50 | 59 | 51 | 55 | 62 |
| xxx° C CUSTOM | Cycle can be personalised by user with temperatures 134°C / 121°C and process times starting from 4' (134°C) to 20' (121°C) and settable drying | | | | | | | |
| VACUUM TEST | | TEST | 18 | 18 | 19 | 21 | 19 | 22 |
| HELIX/B&D TEST | | TEST | 20 | 22 | 26 | 23 | 24 | 28 |
| VACUUM + HELIX/B&D TEST (executed in sequence) | | TEST | 44 | 46 | 51 | 50 | 49 | 56 |



Pure 100
Demineraliser consisting of two ionic exchange resin cartridges. Eliminates any contaminated ions present in the mains water to obtain high quality demineralised water.

Pure 500
A highly ecological reverse osmosis demineralisation system that supplies autoclaves with demineralised water; the mains water is passed through an osmotic membrane, ensuring it acquires characteristics ideal for sterilisation.

Stillo
Automatic water distillation system supplying up to 4 litres in 6 hours.



Automatic fill kit
Consists of an external pump powered by the steriliser, allows water to be aspirated from the tank or other recipient.



Frontal load kit
Kit for frontal steriliser loading with a fast coupling. Perfect for circumstances in which top loading is not possible.



Wi-Fi module
The optional Wi-Fi module (possible on SW-17 PLUS, SW-22 PLUS and SW-28 PLUS) provides real time transmission of cycle and process progress data to a PC, tablet or smartphone. It is also possible to download reports.



Printers
The standard external printer, connectable to the entire range of sterilisers, lets users print out cycle data on thermal paper or labels. A dedicated external printer for adhesive labels with bar codes is available exclusively for SW-17 PLUS, SW-22 PLUS and SW-28 PLUS.

Stern Weber guarantees absolute flexibility by offering a series of advantageous accessories, ranging from demineralisation systems to the external printer and Wi-Fi module. Depending on the specific requirements of the surgery, dentists can integrate desired devices modularly to allow personalisation of workflow configurations.

| Accessories | SW-17 PLUS | SW-22 PLUS | SW-28 PLUS | SW-17 | SW-22 | SW-28 |
|---------------------------|------------|------------|------------|-------|-------|-------|
| Pure 100 | | o | | | o | |
| Pure 500 | | o | | | o | |
| Automatic filling kit | | o | | | o | |
| Front filling kit | | o | | | o | |
| External printer | | o | | | o | |
| External bar code printer | | o | | | - | |
| Wi-Fi module | | o | | | - | |

o = optional
- = unavailable

| Technical data | Pure 100 | Pure 500 |
|---|--------------------|--------------------|
| Water input | Mains water | Mains water |
| Water output (conductivity) | < 15 µS/cm | < 15 µS/cm |
| Distilled water output (inlet water conductivity approx. 350 µS/cm) | 120 litres | 800 litres |
| Min. and Max. mains water pressure | 1-5 bar | 1-5 bar |
| Min. and Max. mains water temperature | +5°C to +40°C | +5°C to +40°C |
| Dimensions L x H x D | 366 x 365 x 143 mm | 461 x 328 x 206 mm |
| Weight | 3.5 kg | 5.5 kg |



Millseal+ Evo
Via just a few simple keys, this automatic heat sealer lets users manage the entire bag preparation and sealing procedure. Two-way motorised roll slide allows precise adjustment of bag length without wasting any paper.

User-friendly controls
Two-way roll slide. Bag cut and first seal key. Definitive bag seal key. Programme keys allow 2 different bag lengths to be saved and sealing/cut tasks to be carried out automatically.



Millseal+ Manual
On the manual version the operator selects bag length, makes the cut and, by pressing the lever on the right until the 'sealing completed' buzzer sounds, closes the bag containing the materials ready for sterilisation.

Providing practical sealing solutions, the three Stern Weber heat sealers offer exceptional reliability and user-friendliness. Featuring electronic control of sealing parameters (time and temperature), two of the models produce a 12 mm wide sealing band while the roller version creates a 15 mm wide band. Temperature and sealing pressure adjustment provides effective sealing action control, ensuring consistently high performance. The Millseal Rolling display lets users set or display parameters at any time.

| Technical data | Millseal+ Evo | Millseal+ Manual | Millseal Rolling |
|--|--|--|--|
| Power supply voltage | 220/240 Vac | 220/240 Vac | 220/240 Vac |
| Mains frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz |
| Rated power | 150 W - 0.45 A | 150 W - 0.45 A | 600 W |
| External dimensions (w/o roll) | 474 x 374 x 200 mm (LxDxH) | 474 x 374 x 200 mm (LxDxH) | 512 x 236 x 145 mm (LxDxH) |
| Weight | 6.5 kg | 5 kg | 10 kg |
| Type of sealing | Continuous cycle, constant temperature | Continuous cycle, constant temperature | Continuous cycle, constant temperature |
| Rated working temperature of heating element | 180 °C | 180 °C | 140 - 190 °C |
| Sealing band height | 12 mm | 12 mm | 15 mm |
| Maximum sealing width | 300 mm | 300 mm | 10 m/min |
| Materials that can be sealed | Paper/polypropylene laminates | Paper/polypropylene laminates | Paper/polypropylene laminates |
| Maximum roll diameter | 200 mm | 200 mm | |

Stern Weber sealers conform to the applicable standards:
• Application of CE 2006/42, CE 2006/95, 2004/108 Directives. • Reference standards EN61010-1:2001, EN61326-1:2006