Cycles

Material	Programme	Total time			Process
		C17	C17+	C22	
Porous, wrapped, hollow* instruments	B type cycle	39 min.	30 min.	40 min.	134°C 4'
Porous, wrapped, hollow* instruments	Prion	55 min.	44 min.	54 min.	134°C 18'
Non-wrapped, hollow instruments*	Hollow	30 min.	24 min.	36 min.	134°C 4'
Wrapped solid instruments	Wrapped	33 min.	23 min.	30 min.	134°C 4'
Non-wrapped solid instruments	Solid	25 min.	17 min.	24 min.	134°C 4'
Non-wrapped solid instruments	Emergency	16 min.	12 min.	14 min.	134°C 3'
Porous, wrapped, hollow* instruments	B type cycle	54 min.	45 min.	54 min.	121°C 20'
Non-wrapped, hollow instruments*	Hollow	44 min.	38 min.	50 min.	121°C 20'
Wrapped solid instruments	Wrapped	47 min.	37 min.	44 min.	121°C 20'
Non-wrapped solid instruments	Solid	39 min.	31 min.	38 min.	121°C 20'
Special	Special		Variable		

* Hollow instruments "A" and "B" conform to EN standard 13060.

Castellini Steriliser range

Technical data	C17	C17+	C22
Power voltage	220/240 V*	220/240 V*	220/240 V*
Mains frequency	50/60 Hz	50/60 Hz	50/60 Hz
Nominal power	2300 W (10 A)	2300 W (10 A)	2300 W (10 A)
External Dimensions (LxHxD)	480x420x560 mm	480x420x560 mm	480x420x660 mm
Total weight	54 kg	57 kg	62 kg
Autonomy	from 6 to 10 cycles	from 6 to 10 cycles	from 6 to 10 cycles
Chamber dimensions (øxD)	250x350 mm	250x350 mm	250x450 mm
Stainless steel trays	3	5	3
Internal thermal printer	optional	standard	optional

Guarantee: 2,500 cycles or 24 months

* Other voltages available upon request.
Standard equipment includes: tray supports, manual fill/empty kit, 2 bacteriological filters, 1 USB pen drive

C17
C17+
C22

Custom sterilisation

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CASTELLINI
PASSION FOR DENTISTRY
SINCE 1935

Automatic door lock

The patented triple protection electromechanical door lock ensures that, before each cycle, the door is locked and the chamber completely sealed.

In addition, the automatic locking of the door preserves the seal.

Cycle documentation

The method of storing the data of the cycles performed may vary from one dental office to another.

With Castellini autoclaves, medical personnel are free to print the data on paper or record it conveniently on the USB pen drive supplied, using the autoclave's USB port. Transferring digital data on to a PC is practical and safe.

Liquid crystal display

The large liquid crystal display with white lettering on a blue background allows fast and easy reading.

To keep the autoclave in proper, efficient working order, the automatic scheduled maintenance system provides for the following:

- Chamber filter cleaning: every 200 cycles
- Bacterialogical filter replacement: every 400 cycles
- Boiler seal replacement: every 1,000 cycles
- General maintenance: every 3,000 cycles

Reset may occur or the message may be repeated after a given number of cycles to ensure that the software is always updated.

Top loader

An upper lid allows direct introduction of demineralised water into the autoclave tank. The display shows when the correct level has been reached.

Removable handles

Autoclave transport and installation is made easier by the practical upper handles.
Once the autoclave has been positioned in the sterilisation area the handles can easily be removed.

Sterilisation chamber

The sterilisation chamber is made entirely of electro-polished stainless steel. This ensures a long life and a constantly high level of sterilisation quality. Inside, the rotating stainless steel basket can house five trays or three drawers. An optional basket for implantology-specific drawers is also available.

Tray 1 e 2: semi-critical medical products such as mirrors, probes, tweezers, scissors
Tray 3: critical medical products such as contra-angles and turbines
Tray 4 e 5: critical medical products such as surgical and precision surgical instruments

Power, savings and flexibility

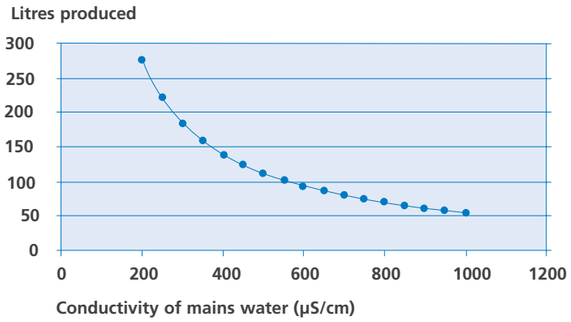
Use of the best materials and applied technological innovations make Castellini autoclaves essential work instruments. The powerful, patented steam generator is able to produce high-quality, saturated steam. Thanks to the hydraulic system and the use of the vacuum pump, the cycle is quick and efficient, thereby resulting in considerable water conservation. In addition to the speed of the cycles and reduced consumption, Castellini autoclaves guarantee efficiency and maximum safety in the sterilisation field.
Eleven cycles, which can be run without waiting times and with a stand-by function at the end of the cycle and an optional automatic shutdown function are proof of the flexibility of Castellini autoclaves and of the consideration given to factors such as practicality and savings.

Pure 500: guaranteed independence

Producing up to 800 litres of demineralised water (depending on the quality and hardness of the mains water), the Pure 500 system provides an effective response to the needs of practices that carry out several daily sterilisation cycles.
As the mains water passes through the osmotic membrane it eliminates organic and inorganic substances, producing a water with characteristics ideal for sterilisation.

Monitoring and control

The quality of the produced water is constantly monitored by the integrated conductivity sensor.
This ensures a safe, automatic water feed.
The internal monitoring system issues a visual/acoustic warning when it is necessary to change filters or batteries.



Value suggested by EN 13060 standard

The quantity of water produced by the ionic exchange resin cartridges depends on the quality and hardness of the mains water.
Refer to the diagram above.

Optimised automatic operation

Based on the ecological reverse osmosis principle, the Pure 500 ensures, simply and economically, a secure water feed. Castellini autoclaves equipped with the Pure 500 also feature automatic discharge of used water directly into the mains outlet.

Technical data	Pure 100	Pure 500
Power supply	3 volts DC supplied by 2 AA 1.5 V batteries	3 volts DC supplied by 2 AA 1.5 V batteries
Incoming water	Mains water	Mains water
Outgoing water (conductivity)	<15 µS/cm	<15 µS/cm
Minimum and maximum pressure of mains water supply	1-5 bar	1-5 bar
Minimum and maximum temperature of mains water supply	+5°C ÷ +40°C	+5°C ÷ +40°C
Demineralised water output (conductivity <15 µS/cm)	Approx. 120 litres	Approx. 800 litres
Dimensions	366 x 365 x 143 mm (LxHxP)	461 x 328 x 206 mm (LxHxP)
Weight	3.5 kg	5.5 kg

Ionic exchange

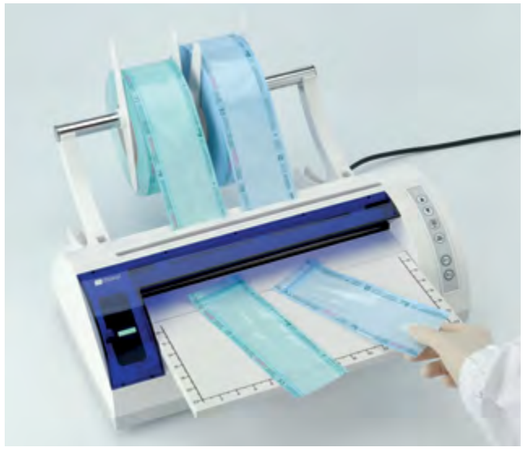
The Pure 100 resin purifier consists of two ionic exchange resin cartridges. Pure 100 eliminates the ions that contaminate the mains water and produces high quality demineralised water.

Reverse osmosis

An optional connection to the reverse osmosis system allows demineralised water to be introduced directly from the mains supply. Discharge of residual water is carried out via a frontal fitting, or via the connector on the rear of the autoclave for direct connection to the mains outlet.

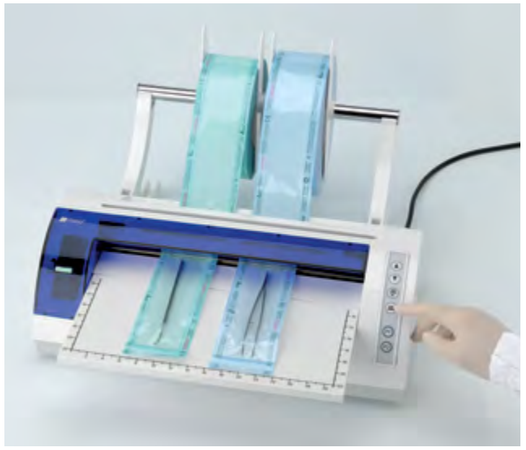
Automatic filling

Thanks to the application of integrated demineralisation systems, Castellini autoclaves are fully independent, ensuring considerable time savings and optimisation of the various stages of operation.
The Pure 100 demineralising unit automatically fills the tank with demineralised water.
The quality of the water introduced into the tank is monitored by the incorporated conductivity measurer.
Furthermore, thanks to a special connector on the rear of the autoclave, residual water is also discharged automatically. Pure 100 ensures an autonomy of up to 120 litres (depending on quality and hardness of the mains water). It is especially recommended as a solution for all those surgeries that carry out just a few sterilisation cycles over the course of a day.



Energy savings

Automatic temperature adjustment provides optimum heating control in the sealing zone.
The sealer also features an overheating protection device and an automatic energy-saving standby system.



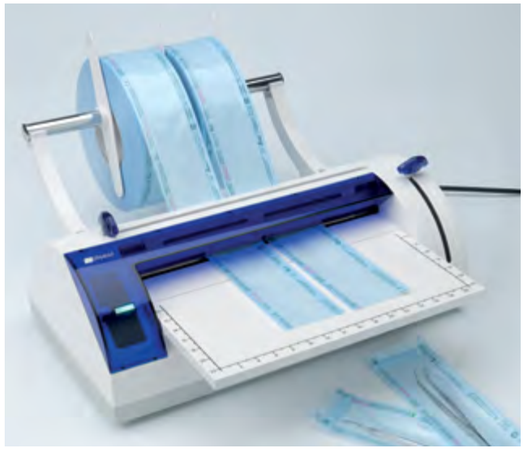
Automated procedure

The automatic heat sealer allows surgeries to manage the entire envelope preparation and sealing procedure with the aid of just a few simple control keys.
A two-way motor-powered slide system allows precise adjustment of envelope length without wasting any paper.

Simplicity of use

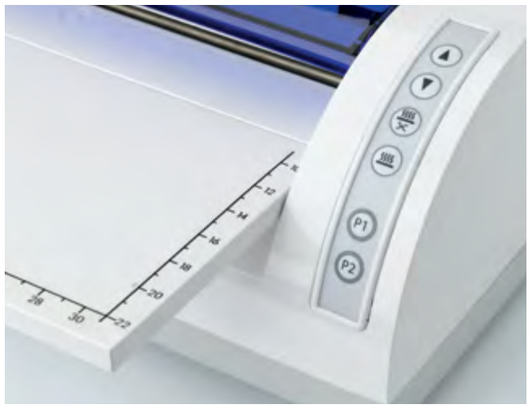
On the manual version, the user selects envelope length, makes the cut and closes the envelope containing the item ready for sterilisation by pressing on the lever on the right until the ‘sealing completed’ buzzer sounds.

The positioning system keeps the paper locked in place and prevents rewinding of the roll after cutting and sealing.



Technical Data	Millseal Plus Automatic	Millseal Plus Manual
Mains power supply	220/240 V AC	220/240 V AC
Mains frequency	50/60 Hz	50/60 Hz
Nominal power	150 W - 0.45 A	150 W - 0.45 A
External dimensions (without roll)	474 x 374 x 200 mm (LxHxD)	474 x 374 x 200 mm (LxHxD)
Weight	6 kg	5 kg
Type of sealing	Continuous cycle, constant temperature	Continuous cycle, constant temperature
Nominal working temperature of heating element	180 °C	180 °C
Sealing band height	12 mm	12 mm
Maximum sealing band width	300 mm	300 mm
Materials that can be sealed	Paper/polypropylene laminates	Paper/polypropylene laminates
Maximum roll diameter	200 mm	200 mm

- Application of EC directives 2006/95, 2004/108
- Reference standards EN 61010-1:2001, EN 61326-1:2006

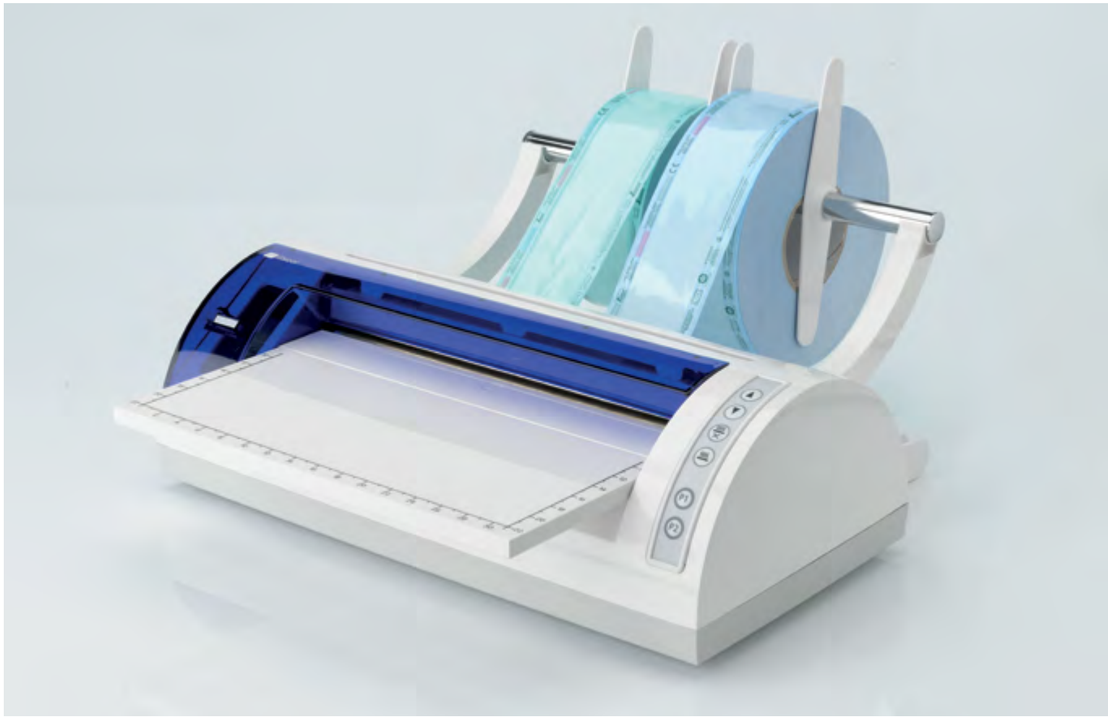


User-friendly controls

Two-way roll slide. Cut and initial envelope sealing key.
Final envelope sealing key.
Programme keys allowing two different envelope lengths to be saved and sealing/cut procedures to be carried out automatically.

Centimetre scale

The scale (in centimetres) on the support top allows precise definition of proper envelope length according to item to be sterilised.



A PRACTICAL HEAT SEALER

Available in both automatic and manual versions, the Castellini Millseal heat sealer provides dental practices with a convenient, reliable solution. Ergonomic design and, in the case of the automatic model, user-friendly control keys, make the Millseal as simple as it is practical.
Equipped with electronic control of sealing parameters (time and temperature), both models provide a 12 mm wide sealing band. Visual/acoustic indicators provide information on the proper operation of the sealer.