



STERILISATION



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Our policy of constant technological upgrading means that technical specifications may be subject to change without prior notice.

STERILISATION



SAFETY AND PEACE OF MIND



"I'VE CHOSEN ANTHOS. A QUESTION OF CERTAINTY."

STERILISATION 

Hygienisation and sterilisation procedures are carried out daily as a critically important step during work at any dental surgery. Anthos is aware of this and is permanently committed to supplying dental professionals with the most innovative, high performance dental equipment, bearing in mind the patients' and dental team's health and safety. By thoroughly applying new technologies, committing to extensive material development and strict compliance with the applicable standards in force, efficiently adopting safety and automated procedure management systems, Anthos is able to offer solutions designed to simplify and optimise sterilisation protocols. The Anthos sterilisation line: synonymous with certainty.

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THE ANTHOS A-17 PLUS, A-22 PLUS AND A-28 PLUS AUTOCLAVE LINE PROVIDES A MODULAR SOLUTION THAT MAXIMISES FLEXIBILITY AND RELIABILITY OVER TIME, STREAMLINING EVERYDAY PROCEDURES VIA USER-FRIENDLY CONTROLS THAT ARE SMOOTHLY INTEGRATED ON THE COLOUR LCD TOUCHSCREEN. ANTHOS EMPLOYS SELF-DEVELOPED TECHNOLOGY AND A UNIQUE UNDERSTANDING OF THE SECTOR TO ENSURE STERILISATION WORKFLOWS ARE BOTH FASTER AND SIMPLER.



Simple icons

The control menu features easy-to-understand icons and data. Both cycle selection and settings are extremely user-friendly.

Quality of materials

An electro-polished stainless steel sterilisation chamber and hard-wearing components such as the Class H solenoid valves ensure both reliability and outstanding durability. A convenient LED bar illuminates the chamber when the hatch is opened.

Cycle and test programming

A programming and delayed start system allows the operator to start each cycle exactly when desired. This function is extremely useful as it allows test cycles to be performed during surgery closing hours, even at night, offering both convenience and energy savings.

Data traceability

To increase overall safety and ensure constant compliance with the standards in force, the operator can, at any time, obtain data on completed cycles by entering a personal code. Files can be saved on a PC via an Ethernet link, USB storage device or optional Wi-Fi connection.

Outstanding accessibility

Easily sanitised, the capacious fill/empty tanks open on the upper side of the autoclave.

CYCLE	CYCLE TYPE	STERILISATION TIME	A-17 PLUS	A-22 PLUS	A-28 PLUS
Overall cycle times including drying (min)					
134°C UNIVERSAL	B	4	31	36	45
121°C UNIVERSAL	B	20	46	51	60
134°C UNWRAPPED HOLLOW	S	4	24	28	36
134°C WRAPPED SOLIDS	S	4	24	28	36
134°C PRION	B	18	45	50	59
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
HELIX/B&D TEST		TEST	20	22	26
VACUUM + HELIX/B&D TEST (executed in sequence)		TEST	44	46	51



Wireless module

The Wi-Fi option also allows real-time data transmission to a portable digital device (e.g. smartphone, tablet), thus letting the operator keep close track of process progression.

A-17 PLUS
A-22 PLUS
A-28 PLUS





Simplified control

The LCD with integrated keypad offers an intuitive way of managing sterilisation programmes and cycles. Data reading is equally clear and immediate.

Available data

An external printer connected via an RS232 serial port provides, on thermal paper or labels, readily available data and parameters concerning executed cycles.

Enhanced safety

Cooling air quality is ensured by the incorporated dust filter. The absence of impurities means consistently high performance and greater sterilisation safety. Secure hatch closure is provided by a triple locking mechanism.

Always informed

The dental team is aided by LCD display info/warning messages that provide useful information on machine status with regard to routine maintenance. This helps keep the autoclave in optimal working order and maintain peak performance day after day.

Water feed

All sterilisers are equipped with manual water filling and emptying by way of quick couplings. The feed system can be automated to increase the level of efficiency and the autoclave can also be connected directly to a demineralisation system. An in-tank conductivity sensor ensures water quality is kept under constant control.

Data saving

Cycle-relative data is saved on the autoclave's internal memory. The operator can enter his/her PIN at any time to download the data in PDF format and transfer it to a PC via a USB storage device.



WITH CAPACITIES OF 17, 22 AND 28 LITRES RESPECTIVELY, THE ANTHOS A-17, A-22 AND A-28 AUTOCLAVES ARE BUILT TO LAST, DESIGNED TO GIVE AN ULTRA-RELIABLE HELPING HAND TO DENTAL SURGERIES AIMING TO SIMPLIFY DAILY WORKFLOWS. OFFERING THE CUTTING-EDGE PERFORMANCE DENTISTS HAVE COME TO EXPECT FROM ANTHOS, THESE STERILISERS EMPLOY TRIED-AND-TESTED SYSTEMS AND MATERIALS OF ONLY THE VERY HIGHEST QUALITY.

A-17
A-22
A-28



CYCLE	CYCLE TYPE	STERILISATION TIME	Overall cycle times including drying (min)		
			A-17	A-22	A-28
134°C UNIVERSAL	B	4	37	41	48
121°C UNIVERSAL	B	20	52	56	63
134°C UNWRAPPED HOLLOW	S	4	28	32	39
134°C WRAPPED SOLIDS	S	4	30	32	39
134°C PRION	B	18	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	22	19	22
HELIX/B&D TEST		TEST	23	24	28
VACUUM + HELIX/B&D TEST (executed in sequence)		TEST	50	49	56



ACCESSORIES

Pure 100



The Pure 100 ionic-exchange demineralisation system consists of two ionic-exchange resin cartridges that remove the ions which contaminate the mains water. Acoustic and light indicators are provided to warn the user when the cartridges or AA batteries need replacement (replacement will be completed in a highly straightforward manner in just a few seconds).

Pure 500



Pure 500 applies the principle of reverse osmosis to simplify the sterilisation procedure. The osmotic membrane included in the system eliminates any organic and inorganic substances and optimises the water flow. This will ensure the supply of correctly demineralised water.

External barcode printer



Available for use with the Anthos A-17 PLUS, A-22 PLUS and A-28 PLUS autoclaves, this printer produces adhesive labels with barcodes to ensure traceability of completed sterilisation cycles.

Standard external printer



Connectable via an RS232 serial port to all the autoclaves in the Anthos range, this compact external printer provides data on thermal paper or labels.

Wi-Fi module



The optional Wi-Fi module, which can only be connected to the Anthos A-17 PLUS, A-22 PLUS and A-28 PLUS, allows data to be transferred or monitored in real-time on a PC. It also allows the user to download reports on completed cycles. Moreover, the wireless connection lets the user monitor cycle progress via a smartphone or tablet.

	A-17 PLUS A-22 PLUS A-28 PLUS	A-17 A-22 A-28
Pure 100	○	○
Pure 500	○	○
Automatic filling kit	○	○
Front filling kit	○	○
External printer	○	○
External bar code printer	○	-
Wi-Fi module	○	-

○ optional - unavailable

Frontal filler kit



Where necessary, quick couplings can be added to provide a frontal load system as an alternative to the normal from-above procedure.

Automatic filler kit



The automatic kit includes an external pump and connection hose. Allows aspiration of demineralised water from a tank or other recipient.

Stillo



Automatic water distillation device. Produces 4 litres of distilled water in 6 hours. Water container supplied with the device.

EQUIPMENT PROVIDED

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

• standard - unavailable

TECHNICAL DATA

AUTOCLAVES

	A-17 PLUS	A-22 PLUS	A-28 PLUS	A-17	A-22	A-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 LxHxD	480x500x600 mm	480x500x600 mm	480x500x600 mm	480x500x600 mm	480x500x600 mm	480x500x600 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

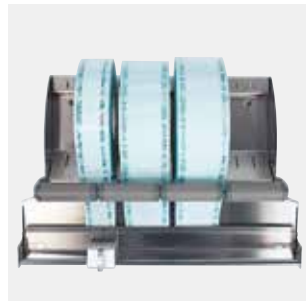
DEMINERALISATION SYSTEMS

	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

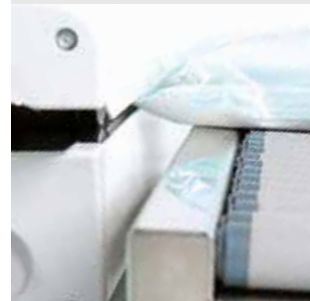
HEAT SEALERS

	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)	474x374x200 mm (LxDxH)	474x374x200 mm (LxDxH)	512x236x145 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 band width	300 mm	300 mm	10m/min
Materials that can be sealed	Paper/ polypropylene laminates	Paper/ polypropylene laminates	Paper/ polypropylene laminates
Maximum roll diameter	200 mm	200 mm	-

SYSTEMS THAT SMOOTHLY
 INTERLINK WITH THE AUTOCLAVES,
 OFFERING HIGH PERFORMANCE
 AND OUTSTANDING SAFETY,
 DESIGNED TO MEET THE
 SURGERY'S EVERY DAILY NEED.
 DEVICES DESIGNED TO PROVIDE
 DENTAL SURGERIES
 WITH EVERYTHING THEY NEED
 WITH OPTIMAL EFFICIENCY.
 THREE DIFFERENT VERSIONS
 AT THE SERVICE OF DENTISTS
 AND THEIR STAFF.



Cutter



Roller unit



Stainless steel top

Innovative design, advanced technology.

Anthos has always combined user-friendliness with high reliability. The positioning system keeps the paper locked in place and prevents rewinding of the roll after cutting and sealing, preventing any paper jams.

Constant high performance

Automatic temperature adjustment provides effective heating control in the sealing zone. Considerable energy savings thanks to an overheating protection and automatic stand-by system. Visual/acoustic indicators provide information on sealer operating efficiency.

Millseal Rolling

This automatic-feed thermosealer provides an optimal way of speeding up the sealing procedure on bags that are pre-cut and sealed on three sides. Sealing temperature and pressure are adjusted via a keypad and operating parameters are shown on the LCD display. Millseal Rolling can be used together with a printer to imprint bagging and expiry dates and symbols required by standards in force.



Millseal+ Manual

The Millseal+ Manual thermosealer allows the operator to choose the exact length of the bag, perform the cut and seal it by pressing the lever. A beep indicates that sealing has been completed.



Millseal+ Evo

Via just a few simple keys, the automatic Millseal+ Evo manages the entire procedure, from bag preparation to bag sealing. A motor-driven two-way slide ensures precise bag length adjustment while allowing considerable paper savings.



Bag length and quantity can be set via the keypad; up to two programmes can be saved. The display shows both length and number.



Motor-driven slide, bag length and number parameter settings.



The Seal/Cut key can be used to prepare the bags traditionally or confirm parameter settings.



Final bag sealing can be carried out with a click.



When the "Programme" key is pressed the heat sealer automatically prepares the bags according to the established quantity and length. Two different parameter groups can be pre-set.

Anthos 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

**ANTHOS
 HEAT SEALERS**



Bag holder

