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The SciCan range of products

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- Ultimate intraoral camera

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SciCan
Setting the Standards
in Sterilisation

The Statim S-cycle Cassette Autoclave
sterilises handpieces in only **8 minutes.**

Think how much time and money
that'll save you.

Sterilise your handpieces in only 8 minutes between patients, and save money

The Statim 2000 S-cycle cassette autoclave is the fastest benchtop steriliser available. Statim will enable you to sterilise your handpieces in only 8 minutes and between patients. This will optimise your clinical time management and improve efficiency.

It will also dramatically reduce the number of handpieces you will require in the average day from around seven to three; saving you money.

The gentle sterilisation of the Statim and the reduced time for which your valuable handpieces are exposed to the sterilising process, will also prolong their useful life and reduce maintenance costs. It's a new formula! Speed equals money saved.



Point of care:
A fresh set of sterilised instruments and handpieces for every patient.

How does Statim work so fast?

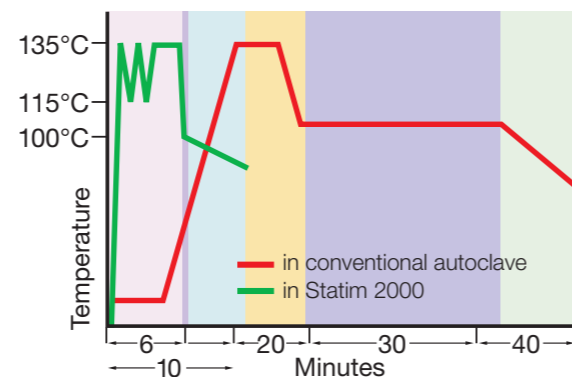
5x faster

The removal of air has long been recognised as critical to achieving sterilisation because air can act as a barrier to the sterilising steam. In fact, **unless** the autoclave can evacuate air from inside the handpiece before sterilisation begins; the handpiece would **not** necessarily be sterilised. This 'pre-evacuation' and sterilisation can only be assured in a validated S or B-cycle autoclave.

The new European Standard recognises that there is more than one way to achieve the removal of air. The gentle action of the Statim S-cycle displaces air from the sterilisation chamber by a patented steam-injection, positive pressure pulse displacement process. This Statim process is at least five times faster than the typical 45-70 minute cycle of conventional B-cycle vacuum autoclaves.

When the 'start button' is pressed, the steam generator heats to the optimum temperature and a defined volume of distilled water is pumped in and converted to steam. Then, a wall of steam is automatically injected into the cassette pressure chamber which is loaded with contaminated instruments. Air is purged as the steam courses through the cassette and is continuously expelled into a waste bottle. After any cycle is completed the drying cycle switches on, rapidly drying and cooling the instruments.

Statim 2000
Sterilisation Cycle Time Comparison



Setting new standards

An important new European Standard EN13060 defines and approves three basic classifications of small steam sterilisers.

Type of cycle	Description of approved use by EN13060
S	The sterilisation of products as specified by the manufacturers of the steriliser including non wrapped solid products and at least one of the following: porous products, small porous items, hollow load products type A, hollow load products B, single wrapped products, multiple-layer wrapped products
N	The sterilisation of non wrapped solid products
B	The sterilisation of all wrapped or non-wrapped, solid, hollow load products type A and porous products as represented by the test loads in this standard

"It is essential that the steriliser and associated equipment is used only for the sterilisation of the type of products for which it is designed. The choice of steriliser, sterilisation cycle or quality of services provided can be inappropriate for a particular load. Therefore the suitability of the sterilisation procedure for a particular product needs to be verified by validation." EN13060.

The Statim S-cycle cassette autoclave has and continues to meet all EN13060 requirements.

The certainty of validation

The Statim S-cycle cassette autoclave is a bespoke steriliser in that it is validated microbiologically by independent research institutes and tested for specific instruments. These include all major brands of handpieces.

Now you can also obtain daily validation of Statim's sterilisation cycle with a specifically designed Process Challenge Device – StatimHelix that makes Statim an S class autoclave that can prove its effectiveness by both biological and mechanical means.

And with daily validation, you can be certain that Statim is meeting the challenge of ensuring that yourself, your staff and your patients are protected against cross-infection from contaminated instruments.

Statim also validates its own successful cycle. A computerised microprocessor aborts the cycle if any of the parameters of temperature, pressure or time are not achieved. You can be certain that by following the simple keypad instructions the fully automatic operation will result in sterilisation of all your solid, hollow, wrapped or unwrapped instruments.



The Statim cassette provides a convenient method of transport for sterilised instruments.



SciCan

Compare the results:

The Statim 2000 S-cycle cassette autoclave delivers dramatic improvements in process efficiency through shorter cycle times.

Button	Cycle name	Sterilisation temperature	Sterilisation time (minutes)	Cycle time* (minutes)	
				Warm start	Cold start (max. load)
	SOLID UNWRAPPED	134°C	3:30	6:45	9:15
	HOLLOW UNWRAPPED	134°C	3:30	8:05	11:45
	HOLLOW UNWRAPPED	134°C	18:00	22:35	26:15
	HOLLOW WRAPPED**	134°C	3:30	10:40	15:35
	HOLLOW WRAPPED	134°C	18:00	25:10	30:05
	RUBBER/PLASTIC	121°C	15:00	18:40	20:15
	RUBBER/PLASTIC	121°C	30:00	33:40	35:15
	AIR DRYING ONLY	Not a sterilisation cycle			

*Drying not included **Cycle for daily validation (STATIMHelix PCD) test

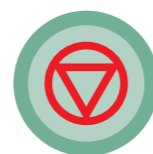
Easy to use and maintain

Very simple keypad operation and helpful LED display prompts makes Statim S-cycle cassette autoclaves easy to use and user friendly. Statim is also self-diagnosing – if a problem occurs it will immediately be indicated on the electronic display panel... very reassuring.



Start

One touch begins the sterilisation process



Stop

Manual override allows safe interruption at any stage of the process



Level Indicator

A cleverly designed spirit level indicator assures accurate set-up and completely safe operation

The Statim difference

Attractive, compact, reliable and gentle

The Statim S-cycle cassette autoclave is a compact autoclave small enough to fit neatly into a convenient space on, or under, the dental cabinet countertop as it generates no heat and very little noise. It is an attractive, well-designed, aesthetic unit which sits comfortably with today's surgery décor.

Statim prolongs the life of expensive and delicate instruments such as fibre-optic dental handpieces, orthodontic pliers, endodontic instruments, syringe tips and diamond and carbide burs. Statim's steam injector system provides temperature consistency and expels the air that causes oxidation in conventional autoclaves. Statim cassette autoclaves use only clean distilled water with every cycle, preventing the formation of rust and the build-up of bio contaminants. Also, a built-in air pump flushes the chamber with filtered dry air, further reducing humidity.

Light, thin-walled Statim cassettes promote rapid heating and cooling, further minimising overall processing time and reducing instrument exposure to heat. All designed to maximise the useful life of your valuable instruments and to minimise maintenance costs.



Ultra-thin walled cassettes allow for rapid heating and cooling



Precision inlet/outlet system for quick, thorough steam injection and air purging



Schematic of forced air removal design with combined purging



Very simple operation. Just select the cycle and press start. That's all there is to it!



Accurate record keeping and tracking is provided by the Statim 5000 integral printer or an optional external printer for Statim 2000



An important biological filter will not allow bacteria or spores above 0.3 µm to enter the sterilising chamber during the drying cycle. An efficient air filtration system includes easy access filters for quick replacement

Statim 5000

The Statim 5000 has a greater capacity than the Statim 2000 due to a larger cassette. Cycle times are generally 20% longer than those of the Statim 2000 due to the larger capacity. More instruments can be sterilised during the working day than in any B-cycle steriliser because of the efficiency of the 11 minute cycle of the Statim 5000 for unwrapped instruments. It's a reliable cassette steriliser that's compact enough to fit into patient treatment areas and is ideal for the larger and busy dental practice.



The Statim 5000 is also fully automatic. Simply select one of three sterilisation programmes and with a single touch of the keypad, begin the cycle. An advanced microprocessor controls all functions and maintains optimal sterilisation conditions, from start to finish.

Order Code	Accessories for Statim 2000/5000		
01-100008A	Cassette for Statim 2000	01-101613S	Cassette for Statim 5000
01-100028S	Cassette Seal for Statim 2000	01-101649S	Cassette Seal for Statim 5000
01-101657S	Thermal Paper (Box of 10 rolls)		
01-108341	StatimHelix Test Device		
99-108332	Sterilisation Emulator 134°C 3.5 min (250pcs)		
20ZPLUS	STAT-DRI 2 oz.		
01-102119S	Biological Air Filter		
01-108262S	Instrument Basket for Statim 2000	01-108263S	Instrument Basket for Statim 5000

Validated handpieces	
W&H-Trend LS, WD-56	
W&H-Trend HS, TC-95RM	
KaVo-Super-Torque LUX/640 B	
KaVo-Intramatic LUX3, 20 LH	
KaVo-Gentleforce 7000C	
NSK-PanaAir	
NSK-ATL118040	
STAR-430 SWL	
Sirona-T1 Classic, S 40 L	
Sirona-T1 Control, TC3	
Midwest-Tradition	
Bien-Air Bora L	
Kavo Gentle Power 25 LPA	
NSK Ti-Max	
W&H TA-98LC	
W&H WA-99 LT	
W&H WS-75	



A specially designed StatimHelix Test Device is available to enable daily validation in practice.



Optional Statprinter

An optional but useful accessory for the Statim 2000 and 5000 the Statprinter helps to make record keeping easier.

The above instruments were tested by third party testing agencies and passed the Statim's "hollow unwrapped" cycle. For rotary instruments built with a large proportion of internal plastic components, an increased number of pre-sterilisation pressure pulses may be required and, consequently, it is advisable to employ the Statim "hollow wrapped" cycle for such instruments. Within this category we would include W&H Synea range of turbines and handpieces. If in doubt about the internal composition of a dental rotary instrument, it is advisable to contact the manufacturer of the instrument. It is reasonable to assume that the Statim S cassette autoclave will perform accordingly with other similar instruments.

Standard	Reference	Medical Device Directive
Standards (European)	EN 13060: 2004	Small Steam Sterilisers
Standards (Safety, Europe)	EN 61010-1: 2001	Safety requirements Part 1: General requirements
	EN 61010-2-041: 1997	Safety requirements Part 2-041: for steam autoclaves
	EN 61326: 1997	EMC requirements

The Statim complies with and in many instances exceeds the requirements of international standards.

Specifications table for 2000 and 5000		Statim 2000	Statim 5000
Machine Dimensions:	Length:	48.5 cm	55 cm
	Width:	41.5 cm	41.5 cm
	Height:	15 cm	19 cm
Cassette Size (External): (includes handles)	Length:	41 cm	49.5 cm
	Width:	19.5 cm	19.5 cm
	Height:	4 cm	8 cm
Cassette Size (Internal):	Length:	28 cm	38 cm
	Width:	18 cm	18 cm
	Height:	4 cm	8 cm
Sterilisation Chamber Volume:		1.8 l	5.1 l
Reservoir Volume:		4.0 l	4.0 l
Weight (Without water):		21 Kg	33 Kg
Clearance required:	Top:	50 mm	50 mm
	Sides:	50 mm	50 mm
	Back:	50 mm	50 mm
	Front:	48 cm	57 cm
Clearance required to remove cassette:		48 cm	57 cm
Minimum charge in the water reservoir:		550 ml	550 ml
PRV value (pressure relief valve):		3 BAR	3 BAR
Electrical Rating:		220 - 240 V, 50Hz, 6A	220 - 240 V, 50Hz, 6A
Current:		AC	AC
Protection Class:		I	I
Protection:		Covered	Covered
Ambient Operating Temperature:		5°C - 40°C	5°C - 40°C
Sound levels:		Mean - 56 dB	Mean - 56 dB
		Peak - 65 dB	Peak - 65 dB
Humidity:		80% Max.	80% Max.
Max. Altitude:		2000 m	2000 m
Optional printer Statim 2000/5000			
Type:		Thermal Printer	
Print:		20 characters per line	
Print Speed:		1 line per second	
Paper Roll Capacity: approx.		80 sterilisation cycles per roll	