

Ingenuity in
infection control
since 1830



The Little Sister
Vacuum Autoclave
Range.
Tried & Trusted
for over 60 years.

**Little Sister
SES 3000B & SES 3020B**

**Designed & Made
by Eschmann**

Little Sister SES 3000B & SES 3020B Vacuum Autoclaves

The Little Sister SES 3000B 17 litre & SES 3020B 23 litre autoclaves have been designed to meet the needs of the healthcare professional, building on Eschmann's unrivalled reputation for quality and performance gained from over 60 years of autoclave design and manufacturing.

Cycles

The Little Sister SES 3000B & SES 3020B offer a choice of both 'N' and 'B' type cycles to accommodate every type of instrument and load.

Capacity

The Little Sister SES 3020B also offers a larger 23 litre capacity chamber enabling more instruments to be processed at one time, as well as longer instruments up to 370 mm in length.

Eco Friendly

Both autoclaves feature optimised drying meaning that they adapt to the weight of the load. This combined with our heat recovery system help to ensure that the SES 3000B and SES 3020B are energy efficient, saving your practice money whilst being kinder to the environment.

Advanced System

Both autoclaves have multiple microprocessors independently controlling and verifying every cycle - the result of Eschmann's unique cycle verification and air detection technology.

Care & Cover

All our Eschmann autoclaves supplied in the UK can be combined with the benefits of Care & Cover service protection. Our team of Eschmann engineers, covering the whole of the UK, provide an unrivalled level of professional support helping to maintain your infection control equipment.

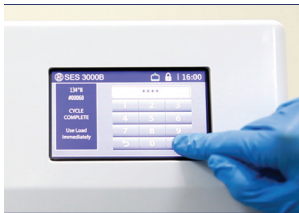




- Simple and intuitive touchscreen
- For convenience, the display shows cycle progress and when the door seal and air filter need to be replaced
- Extended sterilisation and drying cycles for implant kit processing

- Choice of 'B' type vacuum or 'N' type non-vacuum cycles
- Dedicated daily and weekly test cycles
- Dedicated handpiece cycle

- Optimised drying to the weight of the instrument load helps reduce energy consumption and extends instrument life
- Our heat recovery system redirects heat from the chamber to the reservoir, increasing the temperature by up to 20 °C



- Unique pin code protected cycle verification per user, ensuring accurate cycle records



- SES 3000B: 17 litre chamber with 5 kg instrument capacity
- SES 3020B: 23 litre chamber with 6 kg instrument capacity and a dedicated tray for processing longer instruments up to 370 mm in length



- Reservoir drain points are easily accessible, with optional direct drain functionality



Reverse Osmosis (RO) Water System including UV light for the Little Sister SES 3000B & SES 3020B

Efficient RO system provides an on demand source of high quality, purified water for use within the practice.

The Eschmann RO system fits neatly and discretely into any available cupboard space.

Simple connection to a mains cold water supply and easy to replace filters.

WRAS Compliant backflow protection.
Medical grade DIRM filters and UV light for all water types.

Choice of dispensing systems for easy fill of autoclaves and other equipment.

Connects to mains power supply.

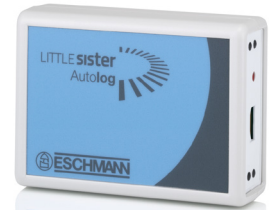
Product No. 8785154UVCSHW



- An advanced control system implements multiple microprocessors. This not only monitors cycle parameters but also provides an additional watchdog processor for assured security and control



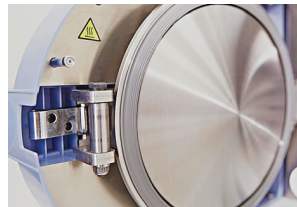
- The unique air detection system determines the exact volume of air in the chamber during processing. This ensures an even temperature throughout the chamber and allows effective sterilisation of hollow loads



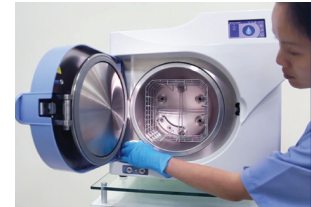
- Integral data download via USB for essential cycle record management
- Option to upgrade to real-time wireless cycle data management with the AutoLog
- Option to connect an external cycle record printer



- Constant monitoring of water quality ensures the production of contaminant free steam, vital for effective sterilisation and to prolong the life of the autoclave and processed instruments
- Reduce water consumption by adapting the volume of water to the load to be processed



- The unique claw-style door lock mechanism guarantees chamber integrity and ensures repeatable closing of the door
- User replaceable door seal and air filter saves time and money on vital maintenance and reduces downtime



- Service friendly design to minimise disruption to your practice
- Easy clean surfaces meet the highest standard of cross infection control

Accessories available:



Little Sister AutoLog with E-Logbook & cycle data manager
Part number: 8701028

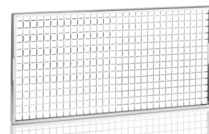


Essential TST (for N type non-vacuum cycle) x250
Part number: 8793547



Standard Tray (28 cm x 18 cm) Aluminium
Part number: 872445x
Examination Tray (14 cm x 18 cm) Aluminium
Part number: 872446x

Trays: Add last digit for:
Silver -1; Blue -2; Red -3; Green -4; Yellow -5; Turquoise -6



Long Tray for SES 3020B (38cm x 19cm) Stainless Steel
Part number: 8725470



HFIT (Hands Free instrument Transfer) PLUS Cassettes

HFIT-5 Part number: 872280x
HFIT-10 Part number: 872281x
HFIT-15 Part number: 872282x

HFITs: Add last digit for: Blue -2; Red -3; Green -4; Yellow -5; Silver -6; White -8



Essential Helix Test (for B type vacuum cycle) x250
Part number: 8793436

Technical Specifications

Feature	Little Sister SES 3000B	Little Sister SES 3020B
Cycle Information		
Autoclave Type	'B' Type Vacuum	
Cycle Times (dependent on type, composition of load and conditions)	'B' Type cycles from 32 mins (with drying) 'N' Type cycles from 21 mins (with drying) Option to disable drying available on all cycles	'B' Type cycles from 48 mins (with drying) 'N' Type cycles from 31 mins (with drying) Option to disable drying available on all cycles
Load Type	Solid and hollow instruments, pouched or wrapped instruments and porous loads	
Maximum Load Capacity	5 kg Maximum total load 1 kg Porous load	6 kg Maximum total load 1.5 kg Porous load Note: the SES 3020B also has a dedicated tray for longer instruments (up to 370 mm)
HFIT PLUS Configurations	10 x HFIT-10 or; 5 HFIT-20 or; 15 x HFIT-5	15 x HFIT-10 or; 5 x HFIT-20 and 5 x HFIT-10 or; 20 x HFIT-5
Tray Configurations	10 x Examination Tray or; 5 x Standard Tray	10 x Examination Tray or; 5 x Standard Tray or; 5 x Long Tray
Sterilising Data		
Sterilising Time	3 minutes 20 seconds at 134/137°C Note: Upon request, an Eschmann trained engineer can increase the sterilisation times up to a maximum of 30 mins.	
Drying Time (dependent on type, composition of load and conditions)	134°C 'B' type cycle. 16 mins 121°C 'B' type cycle. 20 mins	134°C 'B' type cycle. 21 mins 121°C 'B' type cycle. 30 mins
Test Cycle Times	T1 - 20 mins. T2 - 15 mins. T3 - 19 mins.	T1 - 20 mins. T2 - 18 mins. T3 - 23 mins.
Operating Pressure	303.1 kPa at 134°C, 330.7 kPa at 137°C 204.1 kPa at 121°C, 224.2 kPa at 124°C	
Water and Reservoir		
Fresh water reservoir capacity	3800 ml (max)	
Waste water reservoir capacity	4400 ml (max)	
Minimum initial fill	1200 ml (approx)	
Volume user per cycle	Cold: 939 ml, Hot: 740 ml	Cold: 970 ml, Hot: 780 ml
Water Quality	All Eschmann Autoclaves require water treated by the Reverse Osmosis (RO) process, distilled water or deionised water and must be less than 7PPM/15µs	
Dimensions and Weights		
Chamber Volume	17 litres	23 litres
Chamber Dimensions	254 mm (diameter) x 350 mm (depth)	254 mm (diameter) x 452 mm (depth)
External Dimensions (D X W X H)	540 mm (d) x 500 mm (w) x 500 mm (h)	640 mm (d) x 500 mm (w) x 500 mm (h)
Shipping Dimensions (D X W X H)	700 mm (d) x 680 mm (w) x 620 mm (h)	800 mm (d) x 680 mm (w) x 620 mm (h)
Weight (empty)	44.6 kg	48.2 kg
Gross Weight (incl. shipping carton)	52 kg	55.4 kg
Footprint	Designed to fit a standard work surface 525mm (d) x 550mm (w)	Designed to fit a standard work surface 595mm (d) x 550mm (w)
Power Supply		
Supply Voltage	230V ±10% (220V -6%, +15%)	
Standards Compliance		
All Eschmann autoclaves are UKCA marked and comply with:	BS EN 13060 BS ISO 20417 BS EN 15223-1 BS EN ISO 14971 BS EN 13485	BS EN 61010-1 BS EN 61010-2-040 BS EN 61326 BS EN 62366

Little Sister SES 3000B & SES 3020B Vacuum Autoclaves

Ordering Information

Product Number	Product Description
8972543*	Little Sister SES 3000B
8992300*	Little Sister SES 3020B
8701028	Little Sister Autolog Inc. E-Logbook & cycle data manager
8721367	Thermal Printer
8785154UVCSHW	RO Water System including UV Light
8793547	Essential TST (For 'N' type non-vacuum cycle) x250
8793436	Essential Helix Test (for 'B' type vacuum cycle) x250
Trays: add last digit for: Silver -1; Blue -2; Red -3; Green -4; Yellow -5; Turquoise -6	
872445x	Standard Tray (28 cm x 18 cm) Aluminium
872446x	Examination Tray (14 cm x 18 cm) Aluminium
8725470	Long Tray for SES 3020B (38cm x 19cm) Stainless Steel
HFIT Plus Cassettes: Add last digit for: Blue -2; Red -3; Green -4; Yellow -5; Silver -6; White -8	
872280x	HFIT-5 PLUS Cassette
872281x	HFIT-10 PLUS Cassette
872282x	HFIT-20 PLUS Cassette

*Little Sister SES 3000B & SES 3020B autoclaves include: Mains Lead, User Manual, Wall Chart, USB Memory Stick with Cycle Data Download Software and Manuals, Reservoir Drain Tube, Drain Plugs, Tray Carrier, Levelling Kit, Tray Lifter, Pouch Rack and Essential Helix Test.

In addition:
SES 3000B - 1x Standard Tray (28 cm x 18 cm) and 1x Examination Tray (14 cm x 18cm)
SES 3020B - 2x Long Trays (38cm x 19cm)

Optional extras: Connect an external cycle record printer.
Upgrade to real-time wireless cycle data management with the Autolog.

**UK
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