

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



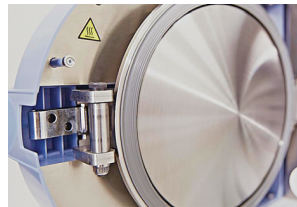
- The unique air detection system determines the exact volume of air in the chamber during processing. This ensures an even temperature throughout the chamber and allows effective sterilisation of hollow loads



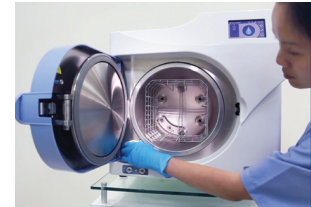
- Automatically records all cycles, with the ability to log daily and weekly tests and checks
- Easily manage cycle data via the MyEschmann Cloud, accessible from any device
- Data is securely stored, eliminating the need for backups



- 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:



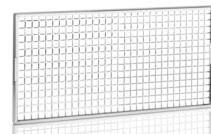
MyEschmann Hub with MyEschmann Cloud cycle data management
Part number: 8749020



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



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



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

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

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 |
| 8749020 | MyEschmann Hub (Kit for SES 3000B/3020B/2020N & SES 2010 TS) |
| 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, USB stick with digital manuals, Wall Chart, 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 MyEschmann Hub with MyEschmann Cloud cycle data management.

**UK
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