

Technical Specifications



s@femate eco series

Microbiological safety cabinets

EuroClone
serving science through innovation



Model	0.9	1.2	1.5	1.8
Code number	LDD2200	LDE2200	LDF2200	LDG2200
Overall dimensions (W x D x H):	1074 x 840 x 1450 mm	1380 x 840 x 1450 mm	1685 x 840 x 1450 mm	1990 x 840 x 1450 mm
Useful dimensions (W x D x H):	924 x 600 x 700 mm	1230 x 600 x 700 mm	1530 x 600 x 700 mm	1840 x 600 x 700 mm
Front aperture	200 mm	200 mm	200 mm	200 mm
Weight:	227 kg	256 kg	292 kg	360 kg
Filter efficiency	> 99,995% MPPS test according to EN1822.1 (H14)*			
Power (W)**	260	360	430	650
Sound pressure (db(A))***	< 49	< 50	< 54	< 58

* Efficiency higher than ULPA (Class F) as per IESP-RP-CC001.
 ** Measured in operating conditions. Power requirements with lights off at minimum airflow speeds (as per EN12469), are about 35% less than those shown in table.
 *** Measured in operating conditions. Actual values at customer site may be different due to room structure.

These Microbiological Safety Cabinets, are manufactured according to EN12469:2000
 EuroClone S.p.A. reserves the right to change production specifications without prior notice

UK distributor and service agent



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The S@feMate ECO Class II Microbiological Safety Cabinet series offers class leading levels of safety and reliability combined with the latest energy efficient, electronically controlled motor blowers that reduce noise and heat.

Main Specifications:

- Microprocessor controlled EC motorblower enhances energy efficiency, reducing operating costs.
- Fully compliant with the EN 12469 safety standard as independently tested and certified by TUV Nord – the leading testing agency in Europe.
- Air and aerosol tight electrical sliding sash.
- Available in 0.9m, 1.2m 1.5m & 1.8m cabinet widths.
- Highest air flow stability both in terms of transitional disturbances and of progressive filter clogging.
- Sloping front aperture to maximise user comfort.
- CE certification according to Machinery Directive 89/392/EEC, 91/368/EEC, 93/44/EEC 93/68/EEC.
- Semi-automatic fumigation cycle (EN12297 tested and certified).
- 5 year warranty.

Features for Unbeaten Safety, Quality & Usability:

- Air and aerosol tight electrical sliding sash system with unique "YZY" movement ensures the containment of aerosol within the chamber when the sash is fully down. The sash can be rapidly closed in an emergency situation.
- Continuous monitoring of the front barrier airflow for the highest operator safety.
- Permanent monitoring of HEPA filters life span.
- Multilevel alarm system.
- Control panel featuring a large digital high resolution display and soft touch keys
- Front access to filters for maintenance and service.
- Front aperture inlet grille is a recessed V profile in the work surface to prevent flow restriction from the user's arms / clothing.
- Cleanability Index C Grade. (EN 12296 tested and certified). Stainless steel internal surfaces with full access to exposed surfaces for ease of cleaning.
- Sloping front aperture and rear chamber lining for optimal downflow air distribution across the work surface.
- Self calibration cycle performed each time the cabinet is switched on.
- Removable three part work surface for easy steam sterilisation in an autoclave. Constructed from 304 grade stainless steel with perforated worksurface as a no cost option.
- Interconnected UV and fluorescent lights.
- C shaped support stand for easy installation and user comfort.
- Side windows for maximum illumination of the working area.
- Full range of accessories available to meet your specific requirements.

Your Safety is our Commitment

No compromise for Operator, Product and Environment Protection guaranteed as required by EN12469:2000 standard.



What is EC technology?

EC stands for Electronically Commutated, and it takes advantage of the most modern technologies in order to improve efficiency reducing overall power requirements.

Here are the Facts!

The new S@femate ECO series of microbiological safety cabinets require 25% less energy than conventional AC motor cabinets. This implies a possible CO₂ emission reduction, on average, of 250 kg per year.



How does EC technology benefit you?



It reduces your energy bill. Lower power consumption and increased efficiency of the motor saves money.



Lower heat emission, compared to a conventional AC motor, reduces building running costs thanks to a reduced building cooling load.



Lower energy consumption and higher efficiency leads to a significant reduction in CO₂ emissions, assisting organisations in the implementation of their Carbon Management Plan.

An elegantly crafted control panel and display providing clarity and ease of use.

