

Angelantoni Life Science

Microbiological safety cabinets Class II
SterilSafe Series





SterilSafe Class II Biological Safety Cabinets offer superior operator, product and environmental protection with advanced touch-screen technology. The ergonomic design enhances productivity, maintenance and operator comfort and safety. Steril brand faces the challenge of technological excellence since forty years ago, introducing safety, reliability and comfort in many laboratories in the world.

Certifications

→ SterilSafe Microbiological Safety Cabinet Class II, Type A1 - A2. SterilSafe cabinets are certified according to the European Standards EN12469:2000 by TÜV and NF95 by the French certification institute LNE.



**ANGELANTONI
GROUP
MORE THAN**

SterilSafe Series

**Class II Microbiological safety cabinets
certified according to EN 12469:2000 (TÜV and LNE)**

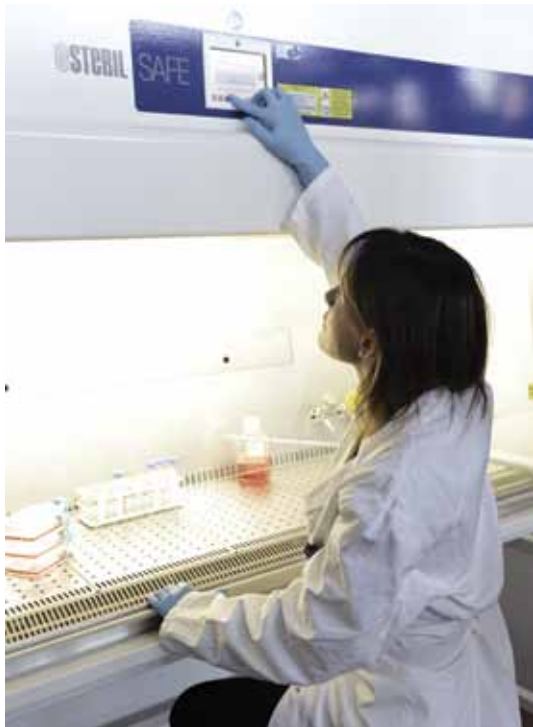
Safety, reliability and comfort

- Ergonomic sloped front window
- Tilting electrical front glass
- Convenient touch-screen display position
- Powerful lightning with side glasses
- UV Lamp integrated in the back wall



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Ergonomic angled front window

The front window is sloped to improve the ergonomics and comfort. SterilSafe is designed to experience fatigue free working sessions. The front sash, in laminated safety glass, is electrically driven and the control is on the touch screen display. Arrangement for service valves (air, nitrogen, vacuum etc.) on front wall.

Side glasses with port holes (optional)

Side glass guarantee superior brightness of the working area (up to 2000 lux) enhancing the quality of daily working sections. The three port holes per side allow the insertion of facilities inside the cabinet.



Opening angle: 117°

By opening the front panel the operators can have an easy access to the internal part of the cabinet, thus facilitating the daily cleaning operations.

Robust cabinet construction

Main structure in steel epoxy-polyester powder coated, resistant to the most common industrial disinfectants. Work chamber and spillage tray in stainless steel AISI 304L "2B" finishing, smooth and sealed edges.



5,7" colour touch screen display

User friendly interface with full visualization of enabled functions only. Real time visualization of cabin working scheme with simultaneous display of laminar airflow speed, exhaust airflow rate and safety fence speed. Automatic management of the sterilization cycle controlled by microprocessor with the possibility to control sterilizer activation and reduced airflow ventilation phases.



UV Lamp

UV disinfection system is integrated in the back wall and illuminates the entire working area without causing shadows. This retractable UV lamp system ensures germicidal protection since it avoids any interstices inside the chamber.



Decontamination kit allows easy sealing of the work area

Composed of simple components, simple and quick system that allows an easy installation of the barrier bag. Safe, fast and easy solution fully integrated in the microprocessor touch screen display.

Worktop

Stainless Steel AISI 304L "2B" finishing with removable and autoclavable work surfaces. Internal working surface available in perforated or solid version.

Built-in V worktop. Anti-block air return slots.



Application

Designed to be used in innovative fields of scientific research and above all in the manipulation of potentially pathogenic microorganisms with low or mild low risk. Routinely used in cell culture laboratory of microbiology, virology, haematology and regenerative medicine.



SterilSafe Class II Biological Safety Cabinets

Customize the work station to enhance the operator safety and convenience. Steril can provide a wide range of options to better suit their customer needs.

Accessories

- Floor stands
- Chest of three drawers on wheels
- Bunsen burner with automatic switch ignition (pedal ignition)
- Manual compressed air tap
- Vacuum duct and tap
- Nitrogen duct and tap
- Gas duct and tap
- Extra power sockets
- Armrest kit
- Decontamination kit
- Double exhaust HEPA filters
- Exhaust activated carbon filters
- Thimble duct exhaust transition

Options

- Lateral glasses with 3 port holes (only TÜV certification)
- Power socket French type

Technical specifications

Model	Unit	STERILSAFE 48	STERILSAFE 72
Overall dimension (WxDxH)	mm	1398x860x1784	2008x860x1784
Internal dimension (WxDxH min/max)*	mm	1186x485x(675÷725)	1796x485x(675÷725)
Safe working area dimension (WxD)	mm	1086x420	1596x402
Max front opening	mm	478 -/- 704	
Front opening height	mm	200	
Net weight	kg	281	365
Recirculated flow rate	m ³ /n	1000	1500
Exhaust air flow rate in operating condition (Vb=0,42m/s)	m ³ /n	340	540
Minimum acceptable exhaust air flow rate (alarm threshold) (Vb=0,40)	m ³ /n	337	513
Heat emission at 25°C (1)	Kcal/n	430	650
Noise level	dB (A)	<53,5	<56
Lighting	Lux	1470	1600
Voltage	V	230V AC P+N+PE.	
Frequency	Hz	50	50
Energy consumption**	kWh/year	1350	1670
Electrical classification (with tedding cable)			
Protection category		IP20	
Power socket (protected by a single fuse 4A)		2P+T 250V 10/16A	
Fluorescent lamps	W	2x54	2x80

→ (*) Due to presence of the upper diffusor, measurement is calculated from the cabin's opposite end to the beginning of worktop
 (**) Working hours: 5 days/week x 8 hours/day x 52 weeks/year=2080 h

SterilSafe is compliant with the following directives:

- √ Machinery Directive 2006/42/CE
- √ Electromagnetic Compatibility Directive 2004/108/CE
- √ Low Tension Directive 2006/95/CE
- √ CEI EN 61010-1
- √ EN 12100-1
- √ EN 12100-2
- √ EN 61326-1
- √ EN 12469:2000





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