

s@feflow series

BIOAIR[®]
a EuroGlobe[®] Division

The ultimate microbiological safety cabinet



Microbiological Safety Cabinet Class II type A2

ACHIEVING THE UNREACHED: UNIQUE FEATURES FOR UNBEATEN QUALITY

s@flow series

The ultimate microbiological safety cabinet

Unique features for unbeaten quality

- Fully EN12469 certified (by Tuv Hamburg).
- Unique “**zy**” movement, air-and aerosol-tight electrical sliding sash with smart functions. User friendly swing-out feature for effective cleaning and sanitation of the inner glass surface.
- Microprocessor control provides the following unique features:
 - ✓ Multifunctional, large (6”) user-friendly screen monitor.
 - ✓ Three levels of PIN codes: Operator, Supervisor and Calibration.
 - ✓ Accessory functions: Choice of five languages, time and date display, software version display, entered PIN level display, etc.
 - ✓ Unique Fully automatic UV light cycle program.
 - ✓ Unique “smart-control” for front window.
 - ✓ Permanent monitoring of HEPA filters life span.
 - ✓ Unique permanent monitoring of UV light life span.
 - ✓ Unique multilevel alarms, with redundancy functions. Permanent measurement of total flow and exhaust flow by vane anemometer.
 - ✓ Unique multitask multi-pin plug build as standard option, for operating the UV and automatic sterilisation cycles.
- Unique automatic sterilisation cycle, self-operating fumigation cycle, monitored by the microprocessor.
- Unique “**Silence-within**” design: integrated methodology and technology for the ultimate control of surface transmitted noise, reduction of noise at the source, elimination of noise propagation and noise transmission, based on a special soft plenum material and vibration-free suspensions for the fan(s). This unique design guarantees the quietest environment conditions in your laboratory, with noise level lower than 53 dB(A) tested and certified according to ISO 11201, ISO 4871 and ISO EN 3744.
- Utilities plug-in from the top: the overall width footprint of the cabinet is considerably reduced.
- Recessed exhaust filter configuration to maximize distance from HEPA filter surface to laboratory ceiling, even with dual exhaust filter installed.
- Unique Data Logger Kit: used for downloading operational data relevant to several main parameters. Can be operated by up to 10 different users on the same cabinet.
- Unique UPS Emergency Power Supply: Interactive emergency power supply for the safest cabinet power failure management.
- Hydraulic height adjustable support stand (manual and electrical).

Mechanical and functional standard specifications

- Double skin design with sloped front aperture.
- Sloped back side of the working chamber (Optimized down flow distribution).
- Cabinet carcass EN12298 tested and certified for air tightness.
- Stainless Steel AISI 304 internal surfaces with 2B finishing.
- Perforated work surface (3 sections) and special designed front grill. Solid work surface available.
- Stainless steel AISI 304 spillage sump.



safeflow Cabinets are supplied in three different sizes, 0.9mt, 1.2mt and 1.8mt.

The safeflow series of cabinets have been inspired by a legendary passion: a passion for the achievement of excellence and of the ultimate level of safety. Influential since the dawn of the contamination control cabinets era, 35 years ago, we continue to lead the way today.

These highly sophisticated Microbiological Safety Cabinets Class II Type A2, provide the highest safety for the operator and the environment for the manipulation of pathogens of Risk Groups 1 to 3 (WHO Classification of Infective Microorganisms by Risk Group, 2004)

The internal design, the air flow aerodynamics and monitoring, the built in safety devices and the comprehensive range of unique options, guarantees the highest performances at the most stringent safety levels, higher than those specified by EN12469 standard and have been certified by the most prestigious European certification body for Microbiological Safety Cabinets. Certified intrinsic biological safety, combined with highly sophisticated interactive features and options, gives the end user, the environment and the product an ultimate microbiological safety that only experienced European design with over 35 years of know-how and accurate quality manufacturing, can provide.

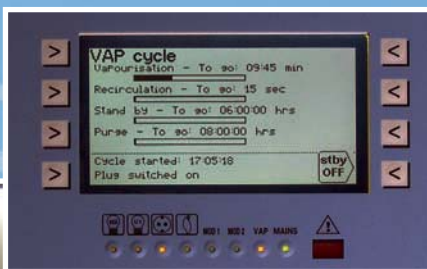
- Electrically operated air- and aerosol-tight, sliding multilayer 6mm safety glass window; swing out feature for cleaning.
- Utilities inlets from the top of the cabinet.
- H14 High Efficiency Particulate Air filters guaranteed with 99.999% efficiency on 0.3 μ particles (EN1822-1 and EN13091:1999 tested and certified).
- Recessed exhaust H 14 HEPA filter.
- Three PIN code levels (Operator, Supervisor and Calibration).
- Programmable UV light cycle.
- Digital HEPA filter life span indicator.
- Digital UV lamp life span indicator.
- Automatic reset of original working conditions in case of power failure.
- Self calibration cycle performed at start-up.
- Large monitor, soft touch control panel.
- Interlocked UV and fluorescent lights.
- Aperture protection Factor (Apf) $\geq 2 \times 10^5$.
- Cleanability Index (CI) "C" grade (EN 12296 tested and certified).
- Light intensity on work surface > 1200 lux.
- Noise level ≤ 53 dB(A).
- Work surface displacement (vibration) <0.005mm RMS between 20Hz and 20,000Hz (ISO 5349 tested and certified).
- 220/240V, 50Hz.
- CE certification according to Machinery Directive 89/392/EEC, 91/368/EEC, 93/44/EEC 93/68/EEC.





- Large 6" screen monitor.
- Easy to read multi-functional display.
- Icons to access the different functions.
- Permanent display of main parameters.
- Message display (Standard functions and emergency situations).

- Unique "zy" movement of sash, guaranteed air and aerosol-tight.
- Electrical sliding sash with smart functions.
- Double skin design with sloped front aperture.

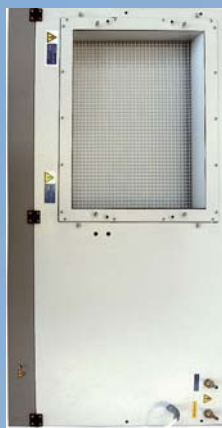


- Unique automatic sterilisation cycle.
- Fully automatic self-operating fumigation cycle monitored and driven by the microprocessor.
- HPV (Hydrogen peroxide vapour) option available.





Front



Top



Side

Model

S@feFlow 0.9

S@feFlow 1.2

S@feFlow 1.8

	S@feFlow 0.9	S@feFlow 1.2	S@feFlow 1.8
Work chamber dimensions [wxdxh] mm	879 x 600 x 650	1183 x 600 x 650	1793 x 600 x 650
Overall dimensions [wxdxh] mm	1055 x 792 x 1455	1360 x 792 x 1455	1970 x 792 x 1455
Height on stand mm	2235	2235	2235
Front opening mm	200	200	200
Weight Kg	200	270	350
Power supply single fase	220/240 V - 50 Hz	220/240 V - 50 Hz	220/240 V - 50 Hz
Power W	351	476	686
Noise Level dB(A)	≤ 53	≤ 53	≤ 54
Lighting lux	≥1200	≥1200	≥1200

How to order

Class II Type A2 Microbiological Safety Cabinets with Perforated work surfaces

LD80000 S@feFlow 0.9

LD60000 S@feFlow 1.2

LD70000 S@feFlow 1.8

Class II Type A2 Microbiological Safety Cabinets with Solid work surfaces

LD80001 S@feFlow 0.9

LD60001 S@feFlow 1.2

"BS" Dual exhaust HEPA filter version

LD60200 S@feFlow 1.2 BS with perforated work surface

LD60201 S@feFlow 1.2 BS with solid work surface

LD70200 S@feFlow 1.8 BS with perforated work surface

LD70201 S@feFlow 1.8 BS with solid work surface

Stands and UV

AS18000 Stand for all S@feFlow 0.9 models

AS16000 Stand for all S@feFlow 1.2 models

AS17000 Stand for all S@feFlow 1.8 models

AKA0000 Mobile UV light kit for all S@feFlow 0.9 models

AKB0000 Mobile UV light kit for all S@feFlow 1.2 and S@feFlow 1.8 models

Please enquire about the many options and accessories available

Installed standard utilities:

- 1 Gas tap with solenoid valve.
- 1 Vacuum tap.
- 1 Electrical socket type Schuko (2 each on 1.8 model).
- 1 Multifunction socket.

EuroClone S.p.A. reserves the right to change product specifications without prior notice

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serving science through innovation

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EuroClone S.p.A. has a Quality System certified Dasa Raegister spa in compliance with UNI EN ISO 9001:2000 and ISO 13485:2003