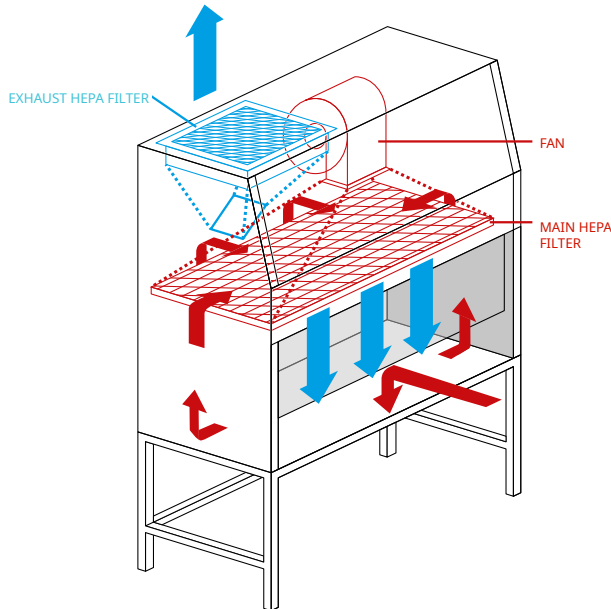


# MICROBIOLOGICAL SAFETY CABINETS - CLASS II

Functioning diagram ▼



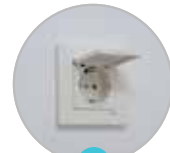
▲ PSM12 + TH12



1 Dashboard



2 Protection screen with hydraulic cylinder and light



3 Electric Plug

## PRESENTATION

Providing first class protection for the operator, the environment and the product, Class II microbiological safety cabinets are the instruments of choice when handling hazardous micro-organisms. The airflow is automatically maintained at 0.45m/s. 30% of the air in the work area is expelled from the exhaust HEPA filter and the remaining 70% of the HEPA filtered air is recirculated through the work area. This cycle repeats continuously.

## COMPLIANCE

- European Directive 2007/47/EC on medical devices.
- European Directive 2006/95/EC on electrical equipment.
- European Directive 93/68/EC on CE marking.
- European Directive 92/31/EC and 2004/108/EC on electromagnetic compatibility.
- Certified EN 12469.

## ADVANTAGES

- Low-noise fan with high light intensity.
- Smooth walls, rounded corners and no welds; allowing easy cleaning and decontamination.
- White walls for glare-free illumination.
- Ergonomic armrest for long periods of handling.
- Electronics compartment located external the contaminated area.
- Easy replacement of HEPA filters by trained personnel.

## TECHNICAL FEATURES

- Microprocessor control system with digital display for airflow speed.
- Two H14 HEPA filters with 99.999% efficiency for particles  $\geq 0.3\mu\text{m}$ .
- Automatic airflow compensation system to prevent filter clogging.
- On-off switch with lock.
- Alarms for: power failure, control system failure, open window, low and high airflow speed, clogged filters.
- Airtight seal by means of a cylinder on the window.
- Cold-rolled sheet steel cabinet, 2 mm epoxy polyester paint.
- Removable worktop in 3 parts, in stainless steel 304.
- 2 power sockets (2.5 A).
- Integrated low voltage lighting and  $> 1.000 \text{ lux} - 55\text{W}$ .
- Noise level below 60 dB(A)
- Power supply: 230 V, 50 Hz.
- Power consumption: 1.860 W.

## OPTIONS

- Replacement HEPA main and exhaust filters.
- Front wall with integrated UV lamp (length 90 cm, power 30W and wavelength 254 nm).
- TH12 tube table - Gas tap - Vacuum tap.

P/N	PSM12
External dimensions (H x W x D) mm	1400 x 1360 x 795
Internal dimensions (H x W x D) mm	650 x 1190 x 600
External dimensions opening dimensions (H x W) mm	185 x 1190
Work surface dimensions (W x D) mm	1190 x 600
Shipping dimensions (H x W x D) mm	1540 x 1450 x 850
Net weight (kg)	220
Gross weight (kg)	257

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Fume hoods, filtering cabinets - Ventilation

Lithium-ion cabinets

Flammable cabinets

Corrosive cabinets

Toxic cabinets and Multirisk

Containment and cans

File cabinets Anti-fire equipments

Showers and first-aid equipments