

PRODUCT SHEET

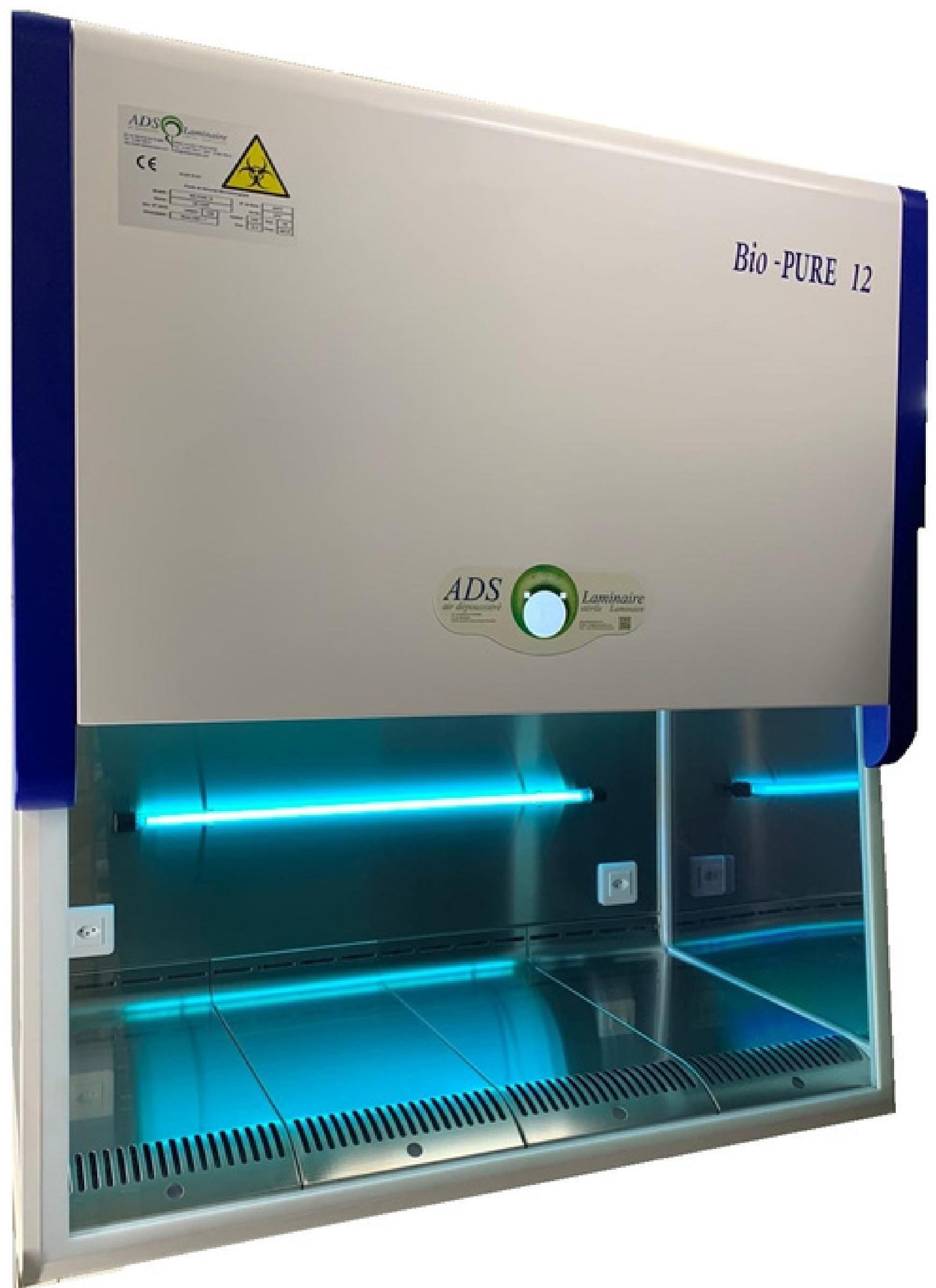
BIO - PURE

Operator Protection

Product Protection

Environment Protection

Type II Biosafety cabinet



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FEATURES

- Negative double plenum (safety / no leakage risk)
- Double automatic ECM ventilation
- Motors equipped with sound traps
- Lift-up cover for complete cleaning of the front window
- 6° inclined window for optimized ergonomics
- Motorized window with up-and-down movement
- 2 integrated power outlets
- Transparent side panels
- UV lamps

- COPLAST structure, acid-resistant and 100% compatible with hydrogen peroxide
- Smooth, easy-to-clean surfaces



PROTECTION :

- PRODUCT
- OPERATOR
- ENVIRONMENT

- Supply filter with laminar flow veil
- Front-access maintenance (lift-up cover)
- Control panel: LCD display (speed, clogging, alarms...)

APPLICATIONS :

- Medical analysis
- Healthcare
- Pharmaceutical
- Biotechnology
- Food industry
- Others



Very low noise level
< 55 dB



- One-piece 316L stainless steel internal chamber (no welds)
- Removable solid stainless-steel work surface (user comfort / flatness / decontamination)
- Profiled front air barrier for arm support (comfort and easier decontamination)

Type II microbiological safety cabinets are designed to protect the operator, the work process, and the immediate environment from airborne contamination.

The BIO-PURE is suitable for handling pathogenic agents of classes 1, 2, or 3.

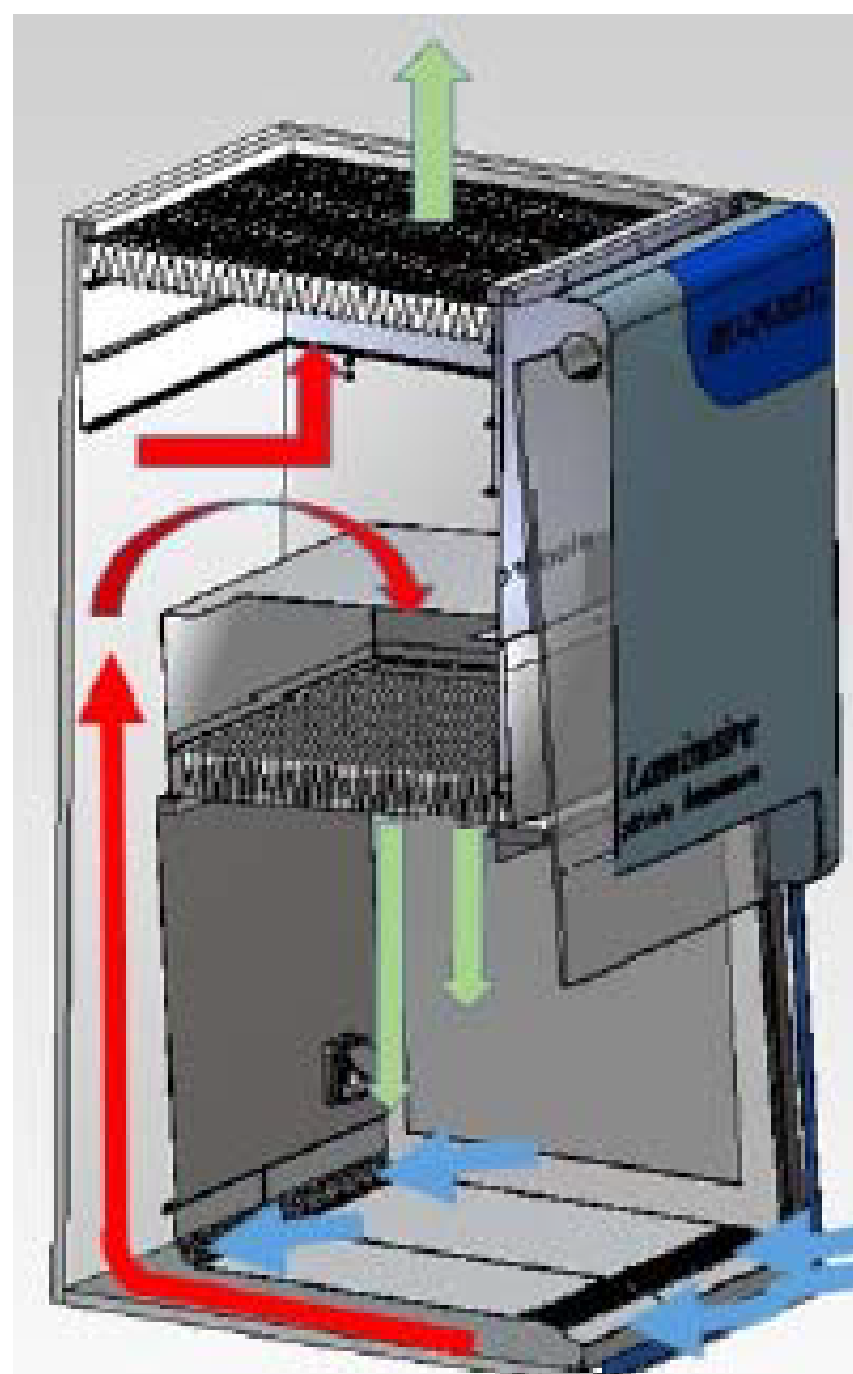
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OPERATING PRINCIPLE

A sterile ISO 5 laminar airflow is blown vertically onto the work surface after passing through a first absolute H14 filter, ensuring product protection.

The air flow is fully drawn back through the perforations located in the work surface. Part of this recirculated air, discharged into the room through a second H14 filter, ensures environmental protection.

The amount of air discharged is compensated by the aspiration of an equivalent volume of air at the front of the work surface. This aspiration, called the “Air Barrier,” creates a dynamic barrier between the work process and the operator: operator protection.



Protection of the ENVIRONMENT:
discharge through absolute H14 filter

Protection of the PRODUCT HANDLING:
ISO Class 5

Protection of the OPERATOR:
“Air Barrier”



SPECIAL FEATURES

A lift system allows the hood to be raised and provides direct access to:

- cleaning the inside of the sliding sash,
- full access to the working volume,
- front maintenance: lighting, electronics, ventilation, filter replacement, etc.

The 316L stainless-steel work surface is split. This system allows the sections to be removed for cleaning and possible sterilization.

The front section provides the user with safety, comfort, and ergonomics. Its profiled shape ensures proper front aspiration regardless of the operator’s arm position, thereby avoiding the need for armrests.

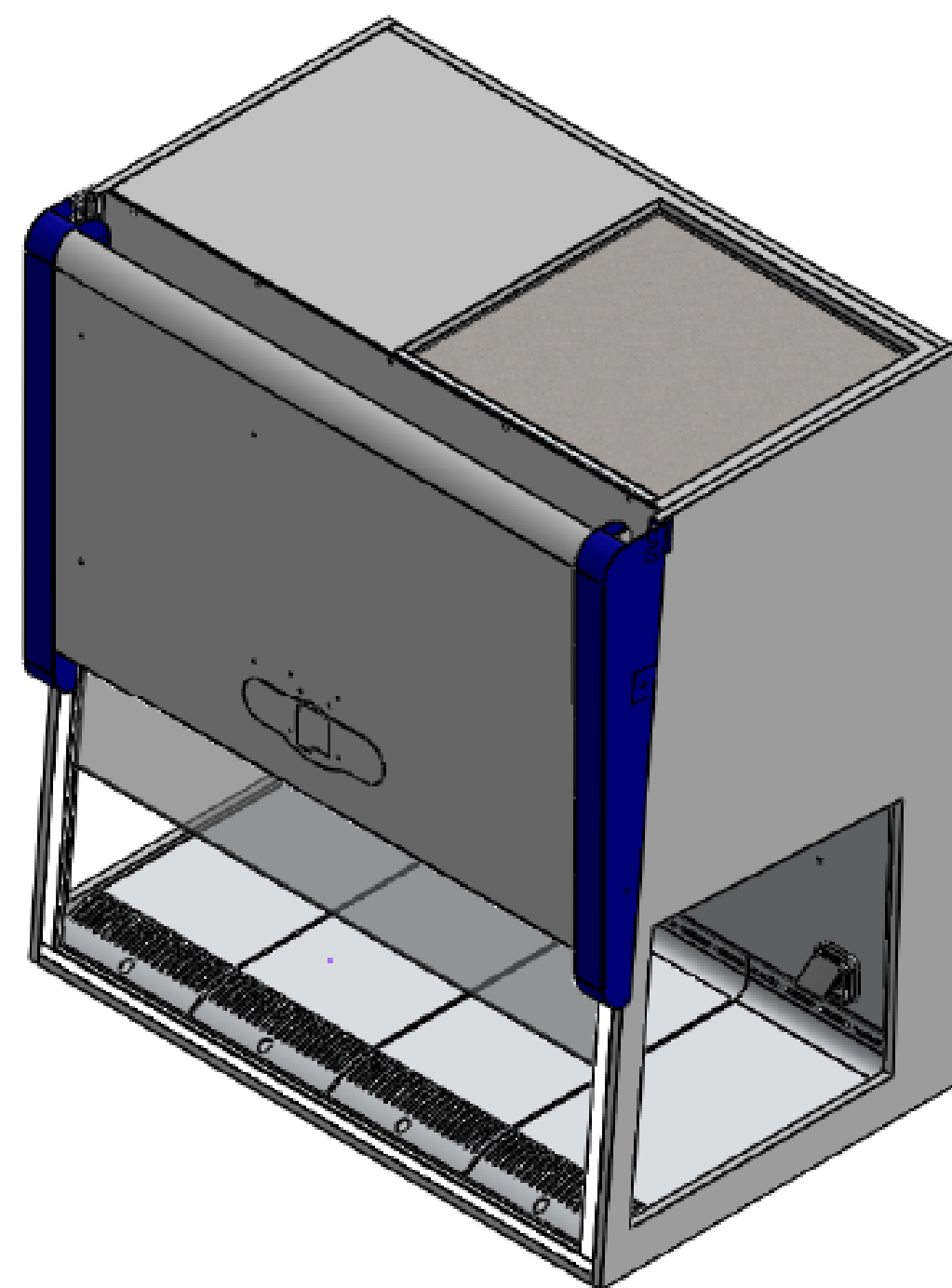


Split work surface / air barrier

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ADVANTAGES

- Energy savings thanks to DC motors and LED lighting.
- Easier recycling thanks to a non-metallic structure.
- Ergonomics: inclined front window, profiled air barrier, side windows.
- Enhanced safety: negative double plenum, double ventilation.
- Redesigned daily maintenance: easier cleaning thanks to the removable work surface and sash cleaning by simply lifting the hood.



Exemple BIO-PURE 12

| | BIO-PURE 9 | BIO-PURE 12 | BIO-PURE 16 | BIO-PURE 18 |
|--------------------------------|-------------------|-------------|-------------|-------------|
| Useful width | 36.02 in | 48.03 in | 59.99 in | 72.05 in |
| Overall width | 37.95 in | 50.24 in | 61.93 in | 74.17 in |
| Useful height | 22.83 to 23.78 in | | | |
| Overall height | 55.12 in | | | |
| Useful depth (Work surface) | 19.69 in | | | |
| Overall depth | 31.10 in | | | |
| Noise level | 54 dBA | | 56 dBA | |
| Rated power | 130 W | 190 W | 250 W | 360 W |
| Weight | 190 kg | 230 kg | 285 kg | 320 kg |

DOCUMENTS

The following documents are supplied upon delivery:

- certificate of conformity
- warranty certificate
- user manual in English

OPTIONS

- Gas / Air / Vacuum utility pass-through
- Type III with arm and glove ports
- Additional power outlet
- Weighing marble (dimensions: 9.84 x 15.75 x 2.76 in)
- 316L stainless-steel spill tray
- External exhaust connection
- Activated carbon filter at exhaust
- 110-volt power supply
- Waste airlock
- Decontamination kit