

Complies with
NF EN 12 469



BIO-PURE

Class II microbiological safety cabinet

Triple protection

Operator, product and environment

Dual negative-pressure plenum

No risk of leakage

316L stainless steel

Hydrogen peroxide compatible

Ultra-Cleanliness Solutions

Protect the product · Protect the operator · Protect the environment

 French manufacturer since 1968 · adslaminaire.com

PURPOSE

Class II microbiological safety cabinets protect **the operator**, **the product** and **the immediate surroundings** from airborne contamination.

The BIO-PURE is suitable for handling **class 2 and class 3** pathogens.

KEY FEATURES

- **Fast start-up** — single-click
- **Dual negative-pressure plenum** — inherently safe, no risk of leakage
- **COPLAST structure** — unaffected by acids, fully compatible with hydrogen peroxide
- **316L stainless steel interior** — formed in one piece, no welds
- **Solid segmented stainless steel work surface** — comfortable to work on, perfectly flat, easy to decontaminate
- **Sash inclined at 6°** — optimised ergonomics
- **Motorised drive** — raises and lowers the sash
- **Gas-strut hood** — gives complete access to the sash for cleaning
- **Supply filter** — with laminarity diffuser
- **Profiled air guard** — integral armrest
- **Front-access maintenance** — lift-up hood
- **Dual ECM ventilation** — automatic regulation
- **Very low sound level** — below 55 dB(A)
- **LCD display** — airflow velocity, filter loading, alarms
- **Smooth surfaces** — easy to clean
- **2 built-in power sockets**
- **Transparent side panels**
- **Motors fitted with sound traps**



APPLICATIONS

- Medical analysis
- Hospitals
- Pharmaceutical
- Biotechnology
- Food industry

Individual testing

BIO-PURE cabinets are built to the strictest quality and safety standards, in accordance with EN 12469. Every unit is tested individually, whatever the production batch, and is supplied with a certificate of conformity.

OPERATING PRINCIPLE

A sterile **ISO 5** laminar flow is delivered vertically onto the work surface after passing through a first H14 HEPA filter: this is the **protection of the product**.

The airflow is drawn back in its entirety through the perforations in the work surface. Part of this recirculated air is discharged into the room through a second H14 filter, providing the **protection of the environment**.

The volume of air discharged is made up by drawing in an equivalent volume at the front of the work surface. This inflow, known as the **air guard**, forms a dynamic barrier between the product and the operator: this is the **protection of the operator**.

THE THREE PROTECTIONS

Protection of the environment

Exhaust through H14 HEPA filter

Protection of the product

ISO 5 cleanliness class

Protection of the operator

Air guard

COMPLIANCE

Energy savings from the DC motors and LED lighting. The non-metallic structure makes the equipment easier to recycle. Safety is reinforced by the dual negative-pressure plenum and the dual ventilation.

DESIGN DETAILS

Gas-strut hood

A gas strut lifts the hood, giving direct access to the inner face of the sliding sash for cleaning, and to the lighting, the electronics and the filters for servicing.

Segmented work surface

The 316L stainless steel work surface is segmented. Individual sections can be lifted out for cleaning and, where required, for sterilisation.

Profiled air guard

The front section is designed for safety, comfort and ergonomics. Its profiled shape maintains an even front inflow whatever the position of the operator's arms, and removes the need for a separate armrest.

AVAILABLE OPTIONS

Stand with levelling feet	Stand on castors
Telescopic stand	Germicidal UV lamp
Gas / air / vacuum service port	Additional socket (up to 3)
Perforated work surface	316L stainless steel spill tray
Connection to outside duct ⁽¹⁾	Activated carbon filter on exhaust
110 V power supply	Waste airlock / glove ports for Class III
Decontamination kit	IQ / OQ qualification protocol

⁽¹⁾ Type IIB2, to match the American NSF 49 standard.

DIMENSIONS AND SPECIFICATIONS

Dimensions (mm)	BIO-PURE 9	BIO-PURE 12	BIO-PURE 16	BIO-PURE 18
	internal / overall	internal / overall	internal / overall	internal / overall
Width	915 / 953	1 220 / 1 258	1 525 / 1 563	1 830 / 1 868
Height	578 to 613 / 1 400			
Depth	628 / 790			
Weight	130 kg	200 kg	250 kg	280 kg
Power consumption	130 W	190 W	250 W	360 W
Maximum power	800 W	800 W	1 200 W	1 200 W

Source: ADS Laminaire general catalogue 2025-2026. Overall height on the standard stand: 2 120 mm — work surface at 800 mm, +30 mm with the castor option. INF-COM-44 Rév4 — Not a contractual document. We reserve the right to modify the specifications of our products without notice.

DOCUMENTS SUPPLIED ON DELIVERY

- Certificate of conformity
- Warranty certificate
- User manual in English

Commissioning and maintenance are carried out by ADS Laminaire, the manufacturer, throughout France and Europe.

OUR COMMITMENT

Engineering, manufacturing, test laboratory and after-sales service, all under one roof at our Aulnay-sous-Bois site.

A company certified **ISO 9001:2015** since 2008 and awarded the **NF 095** label since 1997. The first French company to specialise in laminar flow, since 1968.