

Complies with
NF EN 12 469



OPTIMALE

Class II microbiological safety cabinet

Triple protection

Operator, product and environment

Class 1, 2 and 3 pathogens

In accordance with EN 12469

NF labelled

Individually tested under LNE supervision

Ultra-Cleanliness Solutions

Protect the product · Protect the operator · Protect the environment

PURPOSE

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

The OPTIMALE is suitable for handling **class 1, 2 and class 3** pathogens.

KEY FEATURES

- **Fast start-up** — single-click
- **Dual negative-pressure envelope** — inherently safe, no risk of leakage
- **304L stainless steel interior** — formed in one piece, no welds
- **Removable Trespa work surface** — comfortable to work on, perfectly flat, easy to decontaminate
- **Motorised drive** — raises and lowers the sash
- **Supply filter** — with laminarity diffuser
- **Profiled, removable air guard** — comfortable to use, easy to decontaminate
- **Front-access maintenance** — lift-up hood
- **Single ECM fan** — automatic regulation
- **Very low sound level**
- **LCD display** — airflow velocity, filter loading, alarms
- **Smooth surfaces** — easy to clean
- **Built-in power socket**



APPLICATIONS

- Medical analysis
- Hospitals
- Pharmaceutical
- Biotechnology
- Food industry
- And any controlled-atmosphere application

NF certification

NF certification is the assurance of equipment that complies with EN 12469 and is tested individually, whatever the production batch. Our products carry the NF label under LNE supervision.

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 side walls and rear wall of the chamber. 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 HEPA filter

Protection of the product

ISO 5 cleanliness class

Protection of the operator

Air guard

COMPLIANCE

ADS Laminaire products carry the NF label under LNE supervision and are tested individually, whatever the production batch, which guarantees consistent performance from unit to unit.

DESIGN DETAILS

Self-locking front hood

The self-locking hood gives quick access for servicing the filters and the electronics.

Trespa work surface

The work surface is made of Trespa, a highly resistant white resin that can be decontaminated with chlorine-based agents, which are not recommended on stainless steel. Having no perforations, it is easier to clean.

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.

AVAILABLE OPTIONS

Stand with levelling feet	Telescopic stand
Germicidal UV lamp	Gas / air / vacuum service port
Additional socket (up to 3)	Stainless steel work surface, perforated ⁽¹⁾ , segmented ⁽¹⁾
316L stainless steel interior structure ⁽¹⁾	Connection to outside duct
Activated carbon filter on exhaust ⁽¹⁾	Pre-filters on the return air ⁽¹⁾
Waste airlock ⁽¹⁾	Decontamination kit
IQ / OQ qualification protocol	

⁽¹⁾ Outside the scope of EN 12469.

DIMENSIONS AND SPECIFICATIONS

Dimensions (mm)	Optimale 9 NF	Optimale 12 NF	Optimale 16	Optimale 18
	internal / overall	internal / overall	internal / overall	internal / overall
Width	921 / 971	1 226 / 1 276	1 531 / 1 581	1 836 / 1 886
Height	650 / 1 400	650 / 1 400	650 / 1 400	650 / 1 400
Depth	616 / 786	616 / 786	616 / 786	616 / 786
Weight	190 kg	230 kg	300 kg	350 kg
Power	1,4 kW	1,4 kW	1,5 kW	1,5 kW

Overall height on the standard stand: 2 240 mm.

INF-COM-23 — 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.

INF-COM-23 — 2026 edition

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.

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