ADS Laminaire
air dépoussiéré
stérile laminaire
FABRIQUÉ EN FRANCE

ISO 9001:2015 CERTIFIED COMPANY

NF LABEL AUDITED BY LNE

Compliant with NF EN 12 469



OPTIMALE

Class II microbiological safety cabinet

Triple protection
Operator, product and environment

Risk group 1, 2 or 3 pathogens
Per NF EN 12469

NF-labelled
Models 9 and 12, audited by LNE

Ultra-Clean Solutions

Protect the product · Protect the user · Protect the environment

French manufacturer since 1968 · adslaminaire.com

INTENDED USE

Class II microbiological safety cabinets are designed to protect **the operator**, **the product** and **the surrounding environment** from any airborne contamination.

The OPTIMALE is suitable for handling **risk group 1, 2 or 3** pathogens.



FEATURES

- **Negative-pressure double wall** — safe, with no risk of leakage
- **304 L stainless steel interior** — in one single piece, no welds
- **Removable Trespa work surface** — easy to use, flat, easy to decontaminate
- **Motorised sash** — electric raising and lowering
- **Downflow filter** — with laminar flow screen
- **Profiled, removable front air intake** — comfort and easy decontamination
- **Front-access maintenance** — lift-up cover
- **Single ECM fan** — automatic control
- **Very low noise level**
- **LCD display** — airflow, filter clogging, alarms
- **Smooth surfaces** — easy to clean
- **2 built-in power sockets** — one on the left, one on the right, on the back wall of the cabinet

APPLICATIONS

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

NF certification

NF certification guarantees products that comply with NF EN 12469 and are individually tested, whatever the production batch. The Optimale 9 and 12 are NF-labelled, audited by LNE.

Ultra-Clean Solutions

Designed and made in France

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OPERATING PRINCIPLE

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

All the airflow is drawn back through the perforations in the side and rear walls of the cabinet. Part of this recirculated air is exhausted into the room through a second H14 filter, providing **environment protection**.

The exhausted air is offset by drawing an equal volume of air in at the front of the work surface. This inflow, called the **front air barrier**, creates a dynamic barrier between the work and the operator: this is **operator protection**.

THE THREE PROTECTIONS

- **Environment protection**
  Exhaust through HEPA filter
- **Product protection**
  ISO class 5
- **Operator protection**
  Front air barrier

COMPLIANCE

The Optimale 9 and 12 are NF-labelled, audited by LNE, and individually tested whatever the production batch. The Optimale 16 and 18 comply with NF EN 12469.

SPECIAL FEATURES

Self-locking front cover

The self-locking cover allows quick maintenance of the filters and electronics.

Trespa work surface

The work surface is made of Trespa, a very tough white resin that can be decontaminated with chlorine-based agents — not recommended on stainless steel. With no perforations, it is easy to clean.

Profiled front air intake

The front section gives the user safety, comfort and ergonomics: its profiled shape ensures good front intake whatever the position of the operator's arms.

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AVAILABLE OPTIONS

- Stand on castors (mobile version)
- Germicidal UV lamp
- Gas / air / vacuum service inlet
- Additional power socket
- Multi-section stainless steel work surface (1)
- 316L stainless steel interior (1)
- Ducting to the outside
- Activated carbon exhaust filter (1)
- Waste airlock (1)
- Decontamination kit
- IQ / OQ qualification protocol

(1) Not covered by NF 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 standard stand: 2 240 mm.
INF-COM-23 — Non-contractual document. We reserve the right to change the specifications of our products without notice.

DOCUMENTS SUPPLIED ON DELIVERY

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

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

OUR COMMITMENT

Design, manufacturing, test laboratory and after-sales service all on our Aulnay-sous-Bois site.

Company certified **ISO 9001:2015** since 2008 and **NF** labelled since 1997. A French company specialising in laminar flow since 1968.

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