

Complies with
ISO 14 644



OPTIMUM

Horizontal laminar flow hood, ISO 5 class

Protection of the product

Horizontal ISO 5 laminar flow

12 sizes available

3 heights × 4 widths

99.995 % efficiency at MPPS

H14 filter with laminarity diffuser

Ultra-Cleanliness Solutions

Protect the product · Protect the operator · Protect the environment

 French manufacturer since 1968 · adslaminaire.com

PURPOSE

OPTIMUM units protect the product by means of a **horizontal** ISO 5 laminar airflow.

Twelve models cover three internal heights — 616, 768 and 921 mm — and four widths, which allows tall assemblies to be accommodated without going to a bespoke design.

KEY FEATURES

- **Start-up** — single-click
- **Laminated blockboard structure**
- **Motorised rise-and-fall curtain**
- **Automatic regulation**
- **DC motor** — low power consumption and low sound level
- **G3 pre-filter**
- **H14 HEPA filtration** — with laminarity diffuser, 99.995 % efficiency at MPPS
- **Flush lighting** — does not disturb the flow
- **Fully open front** — simplified maintenance
- **LCD display** — airflow velocity, filter loading, alarms



APPLICATIONS

- Hospitals
- Pharmaceutical
- Optics
- Microelectronics
- Micromechanics
- Research
- Botany
- Food industry
- Aerospace
- Education

Control panel

Display of the laminar flow velocity and, depending on the model, the inflow velocity, filter pressure, filter loading as a percentage, a message area, standby mode, lighting, optional UV control and a volt-free contact.

■ OPERATING PRINCIPLE

The whole work chamber is swept **horizontally** by an ISO 5 laminar flow, with two filtration stages: a G3 pre-filter and an H14 HEPA filter.

The air velocity and the positive pressure protect the product.

With horizontal flow, the air enters from the back and leaves towards the operator. Product protection is therefore excellent, but anything released during handling travels towards the operator: this choice is suitable neither for volatile products nor for biological agents.

■ DESIGN DETAILS

Twelve configurations

Models 9 to 18 give 616 mm of internal height, models 91 to 181 rise to 768 mm, and models 92 to 182 to 921 mm. Internal width ranges from 921 to 1 836 mm.

Laminarity diffuser

Placed downstream of the HEPA filter, it evens out the velocity across the whole supply face and removes the fast streams that would otherwise disturb the work.

Filter loading monitoring

The screen shows filter loading as a percentage, which allows the replacement to be planned rather than forced.

AVAILABLE OPTIONS

Stand	Suspension bar
Stainless steel structure	Chamber with no metal parts
Service port	Power socket
Stainless steel work surface	ISO 4 class — ULPA filter
Motorised rise-and-fall curtain	UV lamp

DIMENSIONS AND SPECIFICATIONS

Specification	OPTIMUM 9 à 18	OPTIMUM 91 à 181	OPTIMUM 92 à 182
Internal width	921 · 1 226 · 1 531 · 1 836 mm		
Overall width	959 · 1 264 · 1 569 · 1 874 mm		
Internal height	616 mm	768 mm	921 mm
Overall height	1 159 mm	1 300 mm	1 464 mm
Depth	530 / 789 mm		
Filtration	G3 pre-filter + H14 HEPA filter — ULPA optional		

Source: ADS Laminaire general catalogue 2025-2026. Overall height with stand: +870 mm.

INF-COM-24 Rév1 — 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.