

Complies with
ISO 14 644



PS

Vertical laminar flow ceiling

Controlled environment

Positive-pressure zone, ISO 5

ECM fan

Consumption reduced by 30 to 40 %

COPLAST structure

304L or optional 316L stainless steel

Ultra-Cleanliness Solutions

Protect the product · Protect the operator · Protect the environment

 French manufacturer since 1968 · adslaminaire.com

PURPOSE

The vertical laminar flow creates a **positive-pressure zone** that guarantees a sterile environment to **ISO 5**.

A laminar flow ceiling treats a whole volume rather than a single workstation: it is the answer when the operator has to move about inside the protected zone, as in an operating theatre or on an assembly line.

KEY FEATURES

- **Start-up** — single-click
- **COPLAST structure**
- **G4 pre-filter**
- **H14 HEPA filter**
- **Single ECM fan** — automatic airflow regulation
- **LCD display** — airflow velocity, filter loading, alarms
- **Low sound level**
- **Lighting**
- **Stand**
- **Vinyl curtains**



APPLICATIONS

- Aerospace
- Hospitals
- Electronics
- Optics
- Biotechnology
- Pharmaceutical
- Cosmetics
- Food industry
- Micromechanics

ECM fan

Consumption reduced by 30 to 40 % compared with a conventional fan, very high efficiency, low heat loss, sensorless regulation independent of ambient conditions, and very high precision.

■ OPERATING PRINCIPLE

After passing through **two filtration stages** — a G4 pre-filter and an H14 HEPA filter — a sterile **ISO 5** airflow is delivered vertically and in laminar fashion over the whole working volume.

This controlled environment protects the zone from outside contamination.

Automatic regulation compensates for the gradual loading of the HEPA filters and maintains a constant airflow throughout their life.

■ DESIGN DETAILS

A zone rather than a workstation

A laminar flow ceiling protects a volume within which the operator moves. This arrangement suits operating theatres, assembly lines and packaging areas.

PSX version

A stainless steel version is available, in particular for operating theatres where decontamination is frequent and aggressive.

Perforated work surface

In micromechanics, a perforated work surface placed under the laminar flow ceiling allows the air to be drawn back and avoids return turbulence.

AVAILABLE OPTIONS

Painted steel, 304L or 316L stainless steel structure

Ceiling suspension

ISO 4 class validation

Sound trap

Diffusion grilles

Air conditioning

Inlet port for an aerosol generator

IQ / OQ qualification

ATEX version

DIMENSIONS AND SPECIFICATIONS

Specification	PS laminar flow ceiling
Design	Made to measure — various sizes available
Standard structure	COPLAST
Optional structure	Painted steel, 304L stainless, 316L stainless
Filtration	G4 pre-filter + H14 HEPA filter
Class achieved	ISO 5 — ISO 4 validation optional
Ventilation	Single ECM fan, constant airflow

Dimensions to order. Please consult our specialists.

INF-COM-34 Rév2 — 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.