

Complies with
ETRAF



AD

Recirculating fume cupboard, horizontal extraction

Dual protection

Operator and environment

Front velocity 0.5 m/s

Even and complete capture

Full recirculation

No connection to outside

Ultra-Cleanliness Solutions

Protect the product · Protect the operator · Protect the environment

 French manufacturer since 1968 · adslaminaire.com

PURPOSE

Negative-pressure hoods protect **the operator** and **the immediate surroundings** from volatile, harmful or malodorous products, by means of **horizontal** extraction through activated carbon.

The AD is particularly suited to handling chemical products: acids, solvents and alcohols.



KEY FEATURES

- Bench-top unit
- Laminated blockboard structure
- Toughened glass canopy
- **Fully open front** — unobstructed access to the work chamber
- **Activated carbon filter**
- **Speed controller**
- **Full recirculation into the room**

APPLICATIONS

- Pharmaceutical
- Chemistry
- Biotechnology
- Food industry
- Electronics
- Hospitals
- Medical research
- Optics
- Aerospace

Mass of activated carbon

30 kg for the AD 8, 60 kg for the AD 12 and AD 16. Adsorption capacity is directly related to this mass: it is what determines how long the filter lasts before saturation.

OPERATING PRINCIPLE

The operator and the environment are protected by holding the **work chamber under negative pressure**, with activated carbon filtration.

The front inflow velocity of **0.5 m/s** gives an even and complete capture of all fumes.

Air is fully recirculated into the room, which avoids any connection to outside. Our standard activated carbon will adsorb most troublesome volatile products.

THE THREE PROTECTIONS

Protection of the environment

Adsorption on activated carbon

Protection of the operator

Horizontal extraction at 0.5 m/s

DESIGN DETAILS

Horizontal extraction

Unlike vertical extraction, the air is drawn back through the rear of the chamber. This layout leaves the work surface completely clear and suits tall assemblies or bulky equipment.

Precision weighing

Accessories give stable weighing down to 0.01 mg. A separate anti-vibration table is available to isolate the balance from vibration.

The limit of activated carbon

Activated carbon adsorbs, it does not destroy: its capacity is finite. Saturation therefore has to be monitored and the filter replaced before breakthrough, which a ducted fume cupboard does not require.

AVAILABLE OPTIONS

Stainless steel structure

Made-to-measure Plexiglas canopy

Stand

Lighting

Connection to outside duct

Addition of a HEPA filter

Work surface — laminate, stainless steel, Trespa

Accessories giving stable weighing down to 0.01 mg

Separate anti-vibration table

Pre-filters

Specific activated carbon

DIMENSIONS AND SPECIFICATIONS

Dimensions (mm)	AD 8	AD 12	AD 16
	internal / overall	internal / overall	internal / overall
Width	775 / 825	1 210 / 1 260	1 515 / 1 565
Height		640 / 1 150	
Depth		520 / 880	
Total weight	80 kg	120 kg	150 kg
Mass of activated carbon	30 kg	60 kg	60 kg
Front air velocity		0.5 m/s	

Source: ADS Laminaire general catalogue 2025-2026.

INF-COM-20 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.