

Complies with
NF EN 12 469



PPS

Class II B cytotoxic safety cabinet and weighing station

Triple protection

Operator, product and environment

Contained servicing

Bag-in bag-out stand-mounted filter

Weighing to 1/100 mg

With the optional slab

Ultra-Cleanliness Solutions

Protect the product · Protect the operator · Protect the environment

 French manufacturer since 1968 · adslaminaire.com

PURPOSE

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

The PPS answers a precise set of needs: handling powders, toxic products, CMR substances and micro-organisms that cannot be neutralised; a contained sterile zone; contained servicing; radioactive handling; cytotoxic reconstitution; and precision weighing with the optional slab.



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
- **304L stainless steel work surface** — optional 3-piece perforated version
- **Stainless steel collection tray** — beneath the work surface
- **Sash interlocked with operation** — electrically raised and lowered
- **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

- Cytotoxic reconstitution
- Hospitals
- Pharmaceutical
- Biotechnology
- Radioactive handling
- Any handling of products that cannot be neutralised

Front air velocity

The air guard rules out any risk of contamination escaping: the front velocity is at or above **0.4 m/s** and protects the operator.

OPERATING PRINCIPLE

An **ISO 5** laminar flow, to ISO 14644-1, is delivered vertically onto the work surface after passing through a first H14 HEPA filter: this is the **protection of the product**.

The flow is drawn back in its entirety around the edge of the work surface, then passes through a second H13 HEPA filter located directly beneath it, in a **bag-in bag-out containment housing**. The recirculated air is therefore no longer contaminated and the fan can be reached safely.

Part of the recirculated air is discharged into the room through a third H14 HEPA filter. The volume discharged is made up by the front inflow: the **air guard**.

THE THREE PROTECTIONS

Protection of the environment

Exhaust through H14 HEPA filter

Protection of the product

ISO 5 cleanliness class

Protection of the operator

Air guard, velocity ≥ 0.4 m/s

COMPLIANCE

Contained servicing: the air passes through the stand-mounted filter in a bag-in bag-out system. Once the air is clean again, the fan can be reached safely.

DESIGN DETAILS

Self-locking front hood

The self-locking hood allows the filters and the electronics to be serviced easily and safely. All servicing is done from the front.

Bag-in bag-out filter

The stand-mounted filter is serviced without the technician ever touching the filter, by means of the fitted plastic bag.

Weighing slab

The optional slab allows weighing to a hundredth of a milligram: it isolates the balance from fan vibration and makes an analytical balance usable under the flow.

AVAILABLE OPTIONS

316L stainless steel interior structure	Segmented work surface
Weighing slab — weighing to a hundredth of a milligram	Germicidal UV lamp
Gas / air / vacuum service port	Additional power socket
Connection to outside duct	Pre-filters on the return air
Activated carbon filter on exhaust	Airlock
IQ / OQ qualification protocol	Isolator / glove box configuration ⁽¹⁾

⁽¹⁾ For very high exposure levels — CCI above 3 for cytotoxic products.

DIMENSIONS AND SPECIFICATIONS

Dimensions (mm)	PPS 9	PPS 12	PPS 16	PPS 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 — with stand: 2 200			
Depth	616 / 786			
Weight	270 kg	330 kg	420 kg	510 kg
Power	1,4 kW	1,4 kW	1,5 kW	1,5 kW

Source: ADS Laminaire general catalogue 2025-2026.

INF-COM-28 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.