

Complies with
NF EN 12 469



BIO-PURE Grade A

Class II microbiological safety cabinet with integrated particle counter

Triple protection

Operator, product and environment

Integrated counter

TSI AeroTrak Remote

Grade A monitoring

Continuous particle counting

Ultra-Cleanliness Solutions

Protect the product · Protect the operator · Protect the environment

 French manufacturer since 1968 · adslaminaire.com

PURPOSE

Class II microbiological safety cabinets with an **integrated particle counter** protect the operator, the product and the immediate surroundings from airborne contamination.

This version meets the **Grade A monitoring** requirements of GMP Annex 1: particle counting is no longer a one-off measurement taken at qualification, but continuous monitoring throughout production.



KEY FEATURES

- **Integrated particle counter** — TSI AeroTrak Remote
- **COPLAST structure**
- **316L stainless steel interior**
- **Dual ECM ventilation** — automatic regulation
- **Excellent ergonomics** — motorised inclined sash, profiled air guard, side window
- **Counter sensitivity** — 0.1 · 0.2 · 0.3 or 0.5 μm
- **Counter flow rate** — 0.1 or 1 CFM
- **Communication** — Ethernet Modbus, wireless, 4-20 mA analogue
- **Stainless steel enclosures** — for better integration in a cleanroom environment

APPLICATIONS

- Sterile pharmaceutical
- Aseptic preparation
- Biotechnology
- Hospitals
- Quality control

The particle counter

Counting probe with a sensitivity of 0.1, 0.2, 0.3 or 0.5 μm , with or without an integrated pump, flow rate of 0.1 or 1 CFM.

Communication over Ethernet Modbus, wirelessly or as a 4-20 mA analogue signal. Stainless steel enclosures for the cleanroom environment.

■ OPERATING PRINCIPLE

The airflow principle is that of the BIO-PURE: a sterile ISO 5 laminar flow delivered vertically after a first H14 filter, drawn back through the perforations in the work surface, discharged through a second H14, with an air guard at the front.

To this is added **continuous particle monitoring**. The AeroTrak Remote probe measures the concentration in the work chamber continuously and reports the data to your supervision system over Ethernet Modbus, wirelessly or as a 4-20 mA signal.

■ 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

■ DESIGN DETAILS

Why continuous monitoring

GMP Annex 1 requires particle monitoring in Grade A for the whole duration of critical operations. A one-off count taken at qualification is no longer enough: compliance has to be demonstrable at every moment of production.

Integration with supervision systems

Data is fed to your existing supervision system, which removes the need for a separate measuring station and for manual entry.

AVAILABLE OPTIONS

Integrated pump

Choice of sensitivity — 0.1 to 0.5 µm

Wireless communication

4-20 mA analogue output

Germicidal UV lamp

IQ / OQ qualification protocol

DIMENSIONS AND SPECIFICATIONS

Dimensions (mm)	Grade A 9	Grade A 12	Grade A 16	Grade A 18
	internal / overall	internal / overall	internal / overall	internal / overall
Width	915 / 953	1 220 / 1 258	1 525 / 1 563	1 830 / 1 868
Height	578 to 613 / 1 400			
Depth	600 / 790			
Power consumption	130 W	190 W	250 W	360 W
Maximum power	800 W	800 W	1 200 W	1 200 W
Particle counter	TSI AeroTrak Remote — 0.1 to 0.5 µm			

Source: ADS Laminaire general catalogue 2025-2026.

Catalogue 2025-2026 — 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.