



Laminar Flow Fume Cupboard

Clean bench functionality, but with the benefits and safety of a fume cupboard.

TION's Laminar Flow Fume Cupboards protect both the sample and the user by combining modern airflow technology with specialist fume extraction equipment.

A laminar flow fume cupboard is a laboratory ventilation device similar to a Class II B2 biosafety cabinet in its airflow pattern. Its primary function is to shield the operator from harmful vapours and the sample from cross contamination. This includes fumes and particulates generated during the scientific process. It achieves this by creating an uninterrupted stream of laminar flow air over the work surface from the top of the cabinet using a HEPA filter, which is then exhausted to the atmosphere.

Key Benefits:

- Polypropylene construction
- Safe & Compliant
- ISO5 & ISO4 Cleanliness
- Customisable Dimensions



Eco-Friendly LED Lighting

Cost-effective LED lighting separated from the work area.



Intuitive 9" Control Panel

Control and fine tune your working environment with built in airflow controls and alarm systems.



Protect Sample & User

An internal fan is installed to create a clean downflow inside the cabinet. Either ISO5 or ISO4 using HEPA and ULPA filters.



100% polypropylene carcass

A cabinet structure with high chemical resistance that never corrodes and has V0 flame retardant properties.



Bespoke Sash

Ensure you have enough room when working and accessing your samples with a custom sash design.

Call now on **+44 (0) 1223 790028** to place your order or email **support@tion.co.uk**

For further product details and to see more from our range, visit **www.tion.co.uk**

Building fume cupboards to meet your specification is our priority. We believe fume cupboards should be designed around your workflows and specific requirements. 97% of the fume cupboards we design and build are bespoke in some way. This is not to say that we don't build 'standard'. If standard is what your workflow needs, that is what we will build!

We build using a 100% polypropylene carcass. Polypropylene PP is an ideal material for constructing fume cupboards as it is not only highly chemically resistant in terms of corrosion, rust and staining, but it's also considerably lighter, better for thermal insulation, and of course, requires no powder coating/painting.

Below is a table of the typical specifications we offer for standard-size laminar flow fume cupboards:

Spec/Model	LAF1200	LAF1500	LAF1800	LAF2000	LAF2500
External Dimensions (WxDxH)	1200 x 850x 2320 mm	1500 x 850 x 2320 mm	1800 x 850 x 2320 mm	2000 x 850 x 2320 mm	2500 x 850 x 2320 mm
Workspace (WxDxH)	1000 x 600 x 800 mm	1300 x 600 x 800 mm	1600 x 600x 800 mm	1800 x 600 x 800 mm	2300 x 600 x 800 mm
Front Sash Maximum Opening	720 mm / 28.3"				
Production/Test Standard	EN-14175 / CE / ASHRAE 110-1995				
Recommended Air Velocity	0.5±0.1 m/s, 100±20 FPM				
Cabinet Material	Polypropylene				
Workstation Cleanliness	Class 100/ISO 5				
Work Table Material	HPL/ Ceramic / Epoxy / PP / Stainless steel				
Optional Control System	VAV system with 9" color touch screen				
Optional	Water tap/ gas tap / vacuum tap/ pp sink				
Power	110/220V 50/60Hz, Single phase				
Illumination	800 LUX, eco-friendly LED lighting				



Discover

This includes an extensive breakdown of key project budgets, such as building specifications, processes, workflows, and the laboratory itself. We understand the importance of capturing project details early on to reduce the chance of price complications and extended timelines.



Develop

During the development stage, you will collaborate and engage with core TION personnel and project stakeholders to develop a solution that's fit for purpose within your chosen space. Our aim is to alleviate any concerns or potential roadblocks and arrive at a final specification.



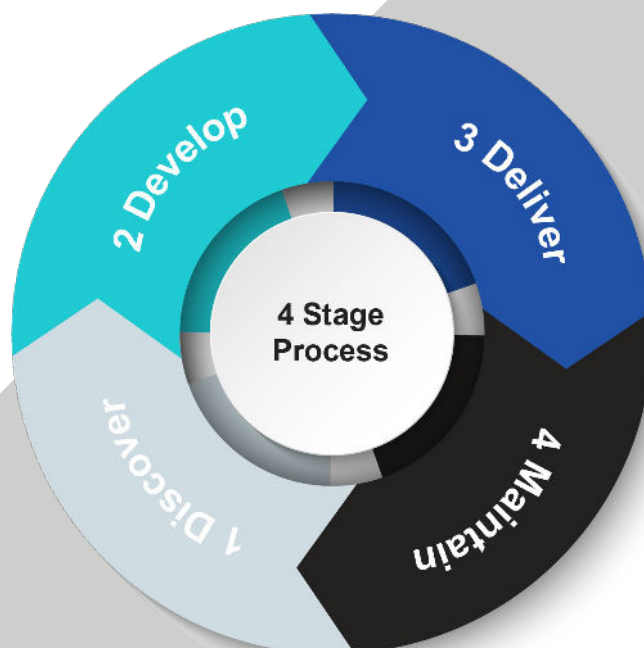
Deliver

Deliver is where the rubber meets the road, and we transform your build space into a cutting-edge laboratory. Our delivery personnel will coordinate with your team to ensure that every step of the program is clear and delivered on time by working closely with on-site contractors.



Maintain

Completing a project is really the first step. Ensuring reliability and consistency of communication following a project is paramount. Everything from asset registration, job logging, PPM (Planned preventative maintenance) is covered by our methodology.





Contact us today for more information
Call us on +44 (0) 1223 790028
Email support@tion.co.uk
Visit www.tion.co.uk