



Scrubber Fume Cupboards

Protecting your staff & the environment.

100% Polypropylene Fume cupboards for heavy chemicals. Ideal for Acid digestion, using HF (Hydrofluoric Acid) and where reducing environmental impact is paramount.

Wet scrubber fume cupboards increase user safety and reduce toxic chemical emissions by cleaning (scrubbing) polluted air before it is exhausted into the atmosphere. Typically, scrubber fume cupboards are the preferred option when dealing with a high volume of chemicals such as hydrofluoric or sulfuric acid. The vapour produced from heating these substances creates highly corrosive environments, so we manufacture our cabinets using medical-grade welded polypropylene.

Key Benefits:

- Polypropylene construction
- Integrated scrubber
- Optional pH monitoring
- Auto-dosing options



Integrated Wet Scrubber

Cupboard mounted scrubber system removes chemicals from the airstream.



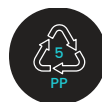
Auto-Dosing Option

Ability to add caustic soda or similar to the scrubbing system to alleviate the requirement for a manual top-up.



Optional pH Monitoring

Real-time monitoring of scrubber tanks to ensure contents is pH neutral before disposal.



100% polypropylene carcass

No corrosion, ever. Allows for ultimate flexibility in design.



Worksurface Options

We manufacture ceramic, stainless steel and polypropylene work surfaces.



Intuitive User Interface

Monitor every aspect and control all elements of the unit operation with our user-friendly, full-colour interface.

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 wet scrubber fume cupboards:

Spec/Model	PPFC1200-WS	PPFC1500-WS	PPFC1800-WS	PPFC2000-WS	PPFC2500-WS
External Dimensions (WxDxH)	1200 x 980 x 2370 mm	1500 x 980 x 2370 mm	1800 x 980 x 2370 mm	2000 x 980 x 2370 mm	2500 x 980 x 2370 mm
Workspace (WxDxH)	1000 x 630 x 1000 mm	1300 x 630 x 1000 mm	1600 x 630 x 1000 mm	1800 x 630 x 1000 mm	2300 x 630 x 1000 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				
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.



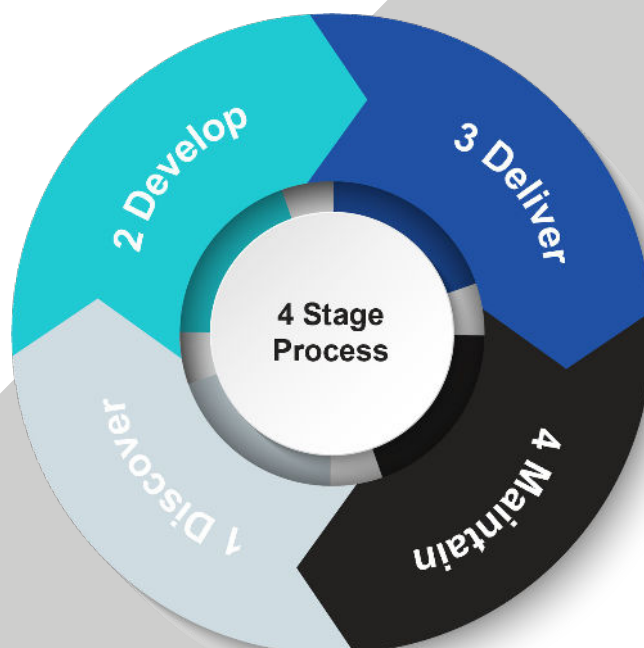
Deliver

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