

Walk-In Fume Cupboards

Safe enclosures prioritising
accessibility & safety



TION's walk-in fume cupboards safely house heavy or large equipment and materials that cannot be contained inside a regular fume cupboard. Helping to shield laboratory workers and protect sensitive processes.

Walk-in fume cupboards or ventilated enclosures are designed to house heavy equipment like bioreactors and drum mixers. It supports access to the workspace at high and low levels, allowing staff to position and manoeuvre their testing apparatus or materials safely and efficiently. We manufacture both ducted and ductless walk-in fume cupboards using 100% medical-grade welded polypropylene.

Key Benefits:

- 7" Full Colour Screen
- EN 14175 Certified.
- Customisable Dimensions
- Polypropylene Construction



Energy-Efficient LED Lighting

Sealed LED lighting offers eco-friendly, cost-effective 800 LUX illumination.



Lining Materials

We offer different lining materials including polypropylene, stainless steel, PPS, and TRESPA.



Sash Design

Large front opening for easy access. With a variety of bespoke options available.



Totally Customisable

We make our cabinets to ANY specification you need and without any bespoke charge.



Intuitive User Interface

All controls in one place with our user-friendly interface with intuitive calibration and night setback mode.



Polypropylene Construction

We manufacture our fume cupboards using 100% virgin medical-grade welded polypropylene.

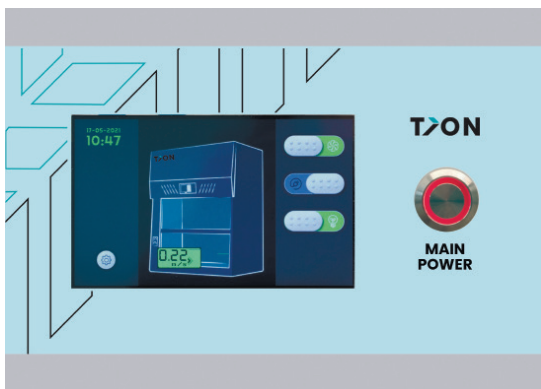
Call now on **+44 (0) 1223 790028** to place your order or email **support@tion.co.uk**

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



The TION touch-screen control systems are manufactured in-house, providing our engineers with a greater degree of access and flexibility over the final product.

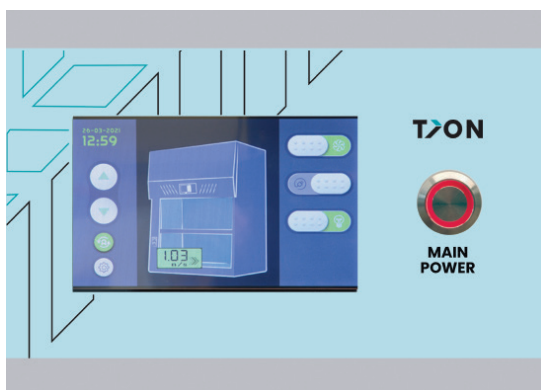
The software functions as a self-contained ecosystem, removing the breakdown costs associated with third-party solutions. Because we control the software development process, the requirement for manual buttons and switches are also reduced.



Standard 7" Touch Screen Panel

As standard, the TION walk-in fume cupboards use a 7" touch screen control panel that includes:

- Airflow velocity display
- Low airflow alarm display
- Lighting controls
- Calibration settings



Pro 9" Touch Screen Panel

The pro version of the TION control system comes with a 9" panel which provides all of the features of the 7" panel and also enables:

- VAV control
- Electronic auto sash (when fitted)
- Upgradable software system

Ductless & Ducted Walk-In Fume Cupboards

We are second to none when it comes to building both ducted and recirculating walk-in fume cupboards to your exact requirements. Whether you are a pharmaceutical company, chemical manufacturing, biotech or testing company, your needs are almost always unique to you in some way. That's why we believe in our motto of 'customise, don't generalise'.

Spec/Model	WI1200-R	WI1500-R	WI1800-R	WI2000-R	WI2500-R
Walk-In Fume Cupboard: Recirculating					
External WxDxH (mm)	1200 x 830 x 2420 mm	1500 x 830 x 2420 mm	1800 x 830 x 2420 mm	2000 x 830 x 2420 mm	2500 x 830 x 2420 mm
Workspace WxDxH (mm)	1000 x 630 x 1800 mm	1300 x 630 x 1800 mm	1600 x 630 x 1800 mm	1800 x 630 x 1800 mm	2300 x 630 x 1800 mm
Front Sash Max Opening	1600 mm / 63"	1600 mm / 63"	1600 mm / 63"	1600 mm / 63"	1600 mm / 63"
Filter	Carbon filters, HEPA or ULPA	Carbon filters, HEPA or ULPA	Carbon filters, HEPA or ULPA	Carbon filters, HEPA or ULPA	Carbon filters, HEPA or ULPA
Spec/Model	WI1200-D	WI1500-D	WI1800-D	WI2000-D	WI2500-D
Walk-In Fume Cupboard: Ducted					
External Dimensions (WxDxH)	1200 x 930 x 2320 mm	1500 x 930 x 2320 mm	1800 x 930 x 2320 mm	2000 x 930 x 2320 mm	2500 x 930 x 2320 mm
Workspace (WxDxH)	1000 x 650 x 1990 mm	1300 x 650 x 1990 mm	1600 x 650 x 1990 mm	1800 x 650 x 1990 mm	2300 x 650 x 1990 mm
Front Sash Max Opening	1800 mm / 70.8"	1800 mm / 70.8"	1800 mm / 70.8"	1800 mm / 70.8"	1800 mm / 70.8"
Production/Test Standard	EN - 14175/ ASHRAE 110-1995	EN - 14175/ ASHRAE 110-1995	EN - 14175/ ASHRAE 110-1995	EN - 14175/ ASHRAE 110-1995	EN - 14175/ ASHRAE 110-1995
Recommended Air Velocity	0.5+0.1 m/s, 100+20 FPM				
Hood Material	Polypropylene				
Optional Control Systems	VAV System with 9" colour touch screen/Dynamic VAV				
Options	Taps: (Water, Gas Nitrogen, Vacuum, Others", Sinks, Sumps, Shelves, Multi-Sash, Partitions, Glove Apertures.				
Noise Level	<60dB				
Power Supply	110/220V, 50/60 Hz, Includes a single phase power supply. A three-phase power supply can be specially ordered.				
Illumination	800 LUX LED lights				

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**



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.



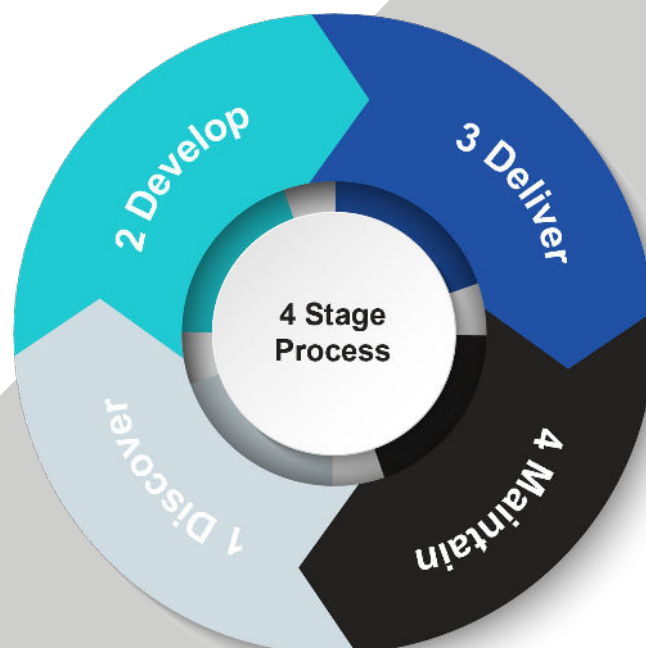
Deliver

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, and 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