

CLASS 1, 2 & 3 MICROBIOLOGICAL SAFETY CABINETS

Ask for a
Quotation



XXX - XXX

The new range of TriMAT constant exhaust Microbiological Safety Cabinets have been developed to provide even greater functional simplicity and operational safety to designers and users of Containment Laboratories. The TriMAT system can be fitted to the full range of Microbiological Safety Cabinets.

We're Scotland's leading scientific calibration, maintenance and validation company providing engineering support and consultation to a variety of organisations. Based in Livingston, we see your business as our business, helping our clients maintain their research platforms, adhere to accreditation standards and provide maintenance & support on temperature controlled equipment, centrifuges and more.

Accredited to ISO 9001, ISO 17025 & ISO 14001 as well as adhering to FDA and MHRA standards we consider ourselves your one stop shop for instrument servicing, repair and replacement of laboratory equipment.

Our team of engineers are trained to the highest level to deliver our wide range of technical services. We provide a call out service and welcome your enquiries by telephone or email. Get in touch to learn more about how we can service and support your laboratory operations. As well as how we can consult with you to address any issues or regulatory requirements you may have.

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The Advisory Committee on Dangerous Pathogens (ACDP) guidance on the design of Containment Laboratories stipulates that facilities should be maintained at a constant negative pressure (typically -30 to -50 Pa) to ensure safe containment. The use of the constant exhaust TriMAT system greatly simplifies Containment Laboratory air handling design by providing a fixed exhaust volume irrespective of whether the cabinet is ON/OFF or undergoing fumigation.

Features

- Constant exhaust volume irrespective of cabinet being ON, OFF or undergoing fumigation, which greatly assists stability of negative pressure air regimes within the containment facility.
- Emergency recirculation function via a double HEPA exhaust filter in the event of remote fan failure, allowing the safe conclusion of work, under containment.
- The ability to handle additional room air extract volume, simplifying overall air handling design and possibly alleviating the need to install additional room exhaust facilities. Bypass air can be extracted via a simple grille for containment level II facilities or via a room HEPA filter for containment level III applications.

Operational benefits for Containment Laboratory staff

Normal cabinet operations are completely unaffected by the provision of a TriMAT exhaust module on the Microbiological Safety Cabinet. However should the main extract fan fail during cabinet operations the user is immediately alerted to the problem via an audible and visual alarm.

The cabinet will immediately revert to recirculation operation returning exhaust air to the laboratory. This is allowable as the TriMAT module is fitted as standard with a double H14 HEPA cabinet exhaust filter. The user can safely complete cabinet operations under full containment and then shut the cabinet down. Once the cabinet has been switched off it cannot be restarted until the main exhaust system is healthy.