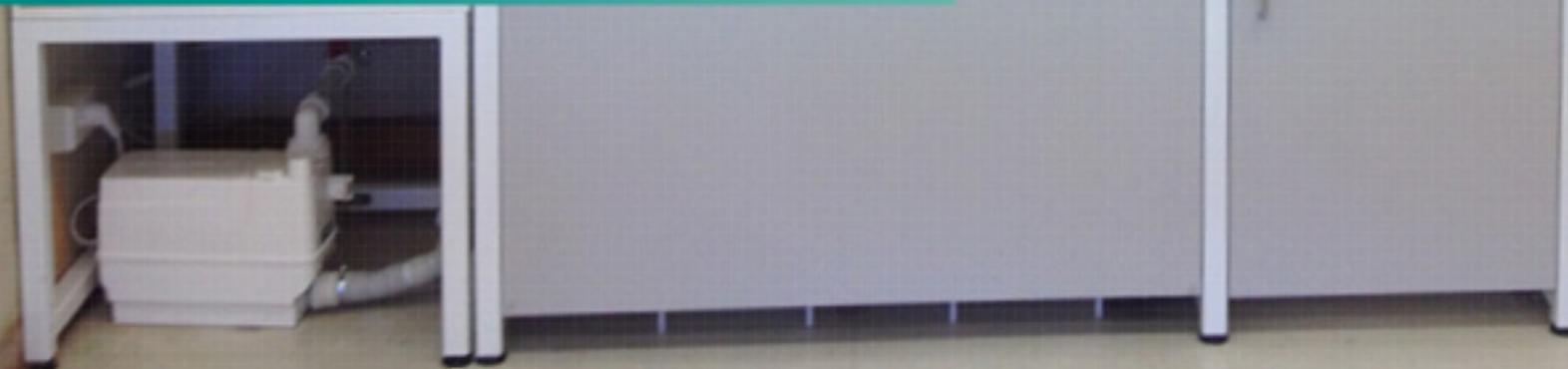


AIRCARE
EXTRACTION SYSTEMS

Monash University

New Fume Cupboards
for Australia's largest
university



The Challenge

Monash University in Melbourne, Victoria was founded in 1958 and is Australia's largest university. Monash has global reach, with campuses in Malaysia and South Africa, and a research and teaching centre in Italy.

To ensure the best for students, and to meet new legislative requirements, Monash University was seeking to upgrade three fume cupboards, in two of its Melbourne campus laboratories. One site had 1500mm and 1800mm fume cupboards, while the other had an 1800mm fume cupboard, with a roof mounted scrubber and re-circulating water tank.

To fit in with the new cupboards, both laboratories' existing cabinets and benches needed updating. New electrical, plumbing, BMS and BAS connections were required. Work would need to gain NATA certification.

Following a competitive tender, in August 2013, Monash selected us for the project. The project involved Aircare and our specialist independent division, TPE, as well as numerous sub-contractors. Everything had to be complete by Christmas 2013, ready for the first semester of 2014.

The Solution

From the outset, we worked closely with the project consultant from Scarborough Architects, and with Monash University's projects officer.

Design, testing, installation

The fume cupboards in this instance were fabricated at our Wellington facility due to production demands in Melbourne. These new VAV fume cupboards also included our highly successful Ecosash® Energy Savings Technology a first from Aircare to Monash. We carried out hook up and testing of the three cupboards.

After the cupboards had been electrically tested and certified, we planned an installation programme with Ron Too, the university's projects officer. Ron played a key role throughout this project, coordinating with us and the sub-contractors.

We installed new and modified benching into the laboratories. The new fume cupboards were wheeled in through narrow corridors and up stairways to their locations – the cupboards were too large to fit in the lifts. After two days of strenuous effort, they were in place. Numerous sub-contractors worked on electrical, plumbing, BMS and BAS connections, under our lead.

On 16 December 2013, the project was complete, on budget and ahead of schedule, and with full NATA certification test reports. They're now in full use.

“Everything went as scheduled and planned, at an extremely competitive budget,” said Ron Too. “It has been a very smooth project, working with people who really know what they are doing, and understand the importance of strong project coordination. Both our laboratories now have fume cupboards that meet the latest requirements – and that deliver on the Monash commitment to providing the very best facilities.”



At a glance

Project team:

- Scott Pappin Pty Ltd – for all disconnect and reconnection of electrical works.
- Peter Dixon Plumbing – for water works including 2 x Reduced Pressure Zone Device (RPZD) units confirming as per AS3500.1(Table F2).
- Alerton Australia Pty Ltd – for all BMS integration to Monash's BMS control point.
- Blue Fire Systems Pty Ltd – for all Fire Protection system connections as per A.S.1670.1 – 2004.
- Transart Cabinets – for all cabinetry and infill panel works.

Product specifications:

- Advanced Air® LabroCare® CAV fume cupboard and scrubber with re-circulating tank and a neutralizing tank (1800mm W x 1500mm H x 840mm D).
- 2X Advanced Air® EcoAir® VAV fume cupboards (1500mm & 1800mm x 1500 mm H x 760mm D).

For full specifications of Aircare fume cupboards and laboratory benchware, please visit www.aircare.net.au



About us

Aircare specialise in the design and manufacture of innovative laboratory equipment. Our product range includes fume cupboards, ductless fume cabinets, extraction fans, forensic/DNA cabinets, fume scrubbing systems, and laboratory benching systems. We have been in business for over 20 years.

We are passionate about design innovation, seeking solutions that deliver sustainable performance and reliability. We benchmark our products against the best in the world, and are very competitive on design, product quality (ISO 9001 accredited), and safety.

We have offices and manufacturing facilities in Australia (Victoria) and in New Zealand (Auckland and Wellington). We also have distributors in Malaysia, India, Singapore and Perth.

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