

AIRCARE
EXTRACTION SYSTEMS

Ramset™ Fume Scrubber

Clean air from a
busy factory



The Challenge

Ramset™ has operated in Australia for over 50 years. The company has a longstanding reputation for developing, manufacturing and supplying the building and construction industries with leading edge drilling, anchoring and fixing products.

A roof scrubber in the zinc plating shop of Ramset's Melbourne factory wasn't performing to standard. Fumes weren't being properly extracted for scrubbing before release. Further, the fumes were settling on the building's roof, causing widespread corrosion.

Clean air and safe working conditions are vital for any workplace. So in September 2013, Ramset approached Aircare and TPE seeking a new scrubber. The resulting project involved both Aircare, and our specialist independent division, TPE. Work needed to be completed before Christmas 2013, so there was a tight eight – 10 week timeframe – another exciting challenge we were keen to get into.

The Solution

We removed Ramset's damaged scrubber and successfully replaced it with an Aircare scrubber.

Expertise and adaptability

Aircare and TPE teams worked together throughout the project, from design and dimensional drawing stages, through to manufacture and installation. We fabricated the 1200 L/s Modular Scrubber Unit at TPE's factory in Wellington, and this was shipped as a single unit to Aircare in Melbourne. The CMVeco 315 Colasit Fan was shipped direct from Singapore to Aircare.

Over a three – four week period Aircare assembled all the components. The scrubber was electrically tested and certified, and an installation programme planned and coordinated to suit Ramset.

We often find that adaptability is key to successful project delivery, and this was no exception. The initial installation day was washed out with heavy rain – no problem, we rescheduled a suitable day.



The Solution

The site itself then presented a challenge. We had hired a 40 tonne heavy lifting crane to lift the 250kg scrubber into place, but due to the tight space around the factory and the 45m distance to the required position on the roof, the crane had its boom fully extended and was at the limit of its capability.

Again, no problem. The project team rolled up their sleeves, and muscled the scrubber into the final position by hand. Installation was successfully completed on time.

“Our site definitely made for a tricky installation. So I was very pleased everything went as scheduled and planned, without any safety concerns,” said Ramset’s team coordinator David Jones. “The new scrubber has been performing exactly as we’d hoped. There’s a noticeable improvement in the factory environment. We’re very happy with the result.”

At a glance

Product specifications:

- Advance Air® Model Horizontal Fume Scrubber 1200 L/s Modular unit.
- Fan & VSD size: Colasit CMVeco D315 managed by TECO VSD CV7300 1-3 phase.

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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