

CORPORATE PROFILE

Your clean air product experts in design, build, installation and servicing of fans, ducting, dust collection and air filter ventilation systems nationally.

**SIGRIST
DESIGN** PTY. LTD.

Sigrist Design is an Australian owned and operated company, specialising in the design and manufacture of industrial and commercial fans, ventilation and dust collection solutions. With over 30 years of experience, our HVAC expertise has been earned by delivering over 25,000 engineered projects.

Our products are designed and manufactured in our state-of-the-art facilities in Queensland for industrial, commercial, building and construction markets.



CUSTOM PROJECT WORK

Whatever your air movement problem might be, we are confident that our collective experience will find the right solution for you

We have proven capabilities in designing and implementing quality solutions for a wide range of industries such as educational facilities, government projects, hospitality and entertainment venues, commercial offices, apartments and residential high rise projects, and so much more.

Our in-house team of sales specialists, workshop technicians and engineers will listen to your needs and ensure that the finished product is fully customised to meet your objectives and strict design requirements, where applicable.



CASE STUDY

AIR LIQUIDE

Air Liquide are a world leader in gases, technologies and services for industry and health. Present in 80 countries with approximately 66,000 employees, they serve more than 3.6+ million customers and patients. At the core of Air Liquide's activities is oxygen, nitrogen and hydrogen as essential small molecules for life, matter and energy.

Air Liquide Australia Limited provides innovative, responsive and customer focused services that go beyond simply selling molecules of gases. They believe in learning about their our customers' businesses to provide them with true value, and they take their HVAC requirements just as seriously.

THE PROJECT

With an end client in the food processing industry, Air Liquide engaged Sigris Design to provide a collaborative solution for CO₂ removal from a CO₂ cabinet up to a ceiling space, then through the roof line to a waterproof discharge cowl.

Food grade construction of components, where applicable, were required and the risk of condensation in the ceiling cavity needed to be eliminated.

The client required full control of the fan speed and pressure monitoring as part of the solution.

THE SOLUTION

The challenge for this project was the intake could not come into contact with the cabinet, so the intake nozzle had to interface but not make contact with the cabinet.

To overcome this, the Sigris Design team created a 'floating' system, which allowed CO₂ removal but did not physically contact the CO₂ cabinet. Everything below the ceiling space was built from grade 304 stainless- steel. As the ductwork penetrated the ceiling space the material transferred to galvanised steel, which was insulated. An adjustable warm air intake valve was added prior to the exhaust fan to eliminate condensation. The SDF Centrifugal fan was installed with a stainless-steel drip tray as an additional protection to the ceiling space from condensate damage.

The roof line was reinforced where the ducting penetrated through to the cowl to assure structural integrity.

A variable speed drive was used to control the fan in conjunction with a pressure sensor.

THE OUTCOME

The Sigris Design team solved the clients "non-contact" problem with the floating intake nozzle, allowing compliance with food grade standards.

This was done within a time critical window and allowed for maintenance by the end user, ensuring no production down time.

We were able to successfully prevent any condensate within the ceiling space, which again is compliance with hygiene and food grade standards.

"Sigrist Design provided us with the experience and reliability we needed for a timely turnaround on a time sensitive project. They were professional, provided the full solution we required and their products were of a high quality.

The overall experience was exceptionally positive and we look forward to working more with the team in the future."

STEVEN SINCLAIR

MANAGING DIRECTOR, NIUGINI LINK PTY LTD

DESIGN, BUILD AND INSTALL

Our accomplished team includes design engineers, metal fabricators, welders and site installation crews, which means you benefit from having one point of contact and one point of accountability for your project instead of managing multiple suppliers.

This not only saves time and is more convenient, but also results in straightforward warranty discussions when required.

With one expert team working with your project from design through to manufacture and installation, the end-to-end experience is faster and more adaptable to changes in requirements that may occur during the project. We can be flexible to ensure the right solution is delivered and are nimble enough to move with you when unforeseen changes occur.

KIT SOLUTIONS

For locations and projects that have installation limitations, we can provide kit solutions for your maintenance crew to install.

Utilised in challenging environments and available for clients who use their own onsite teams, our kit solutions are also often used to overcome transport and logistics problems in remote locations.

Sigrist Design will fully support you with detailed instructions, clearly labelled parts and a customer service team you can call to help you with any questions you may have with the assembly and installation.

FILTRATION PRODUCTS

To achieve optimal efficiency and reliability out of your HVAC equipment, filters need to be cleaned and replaced as part of a regular servicing program.

An air filter is an essential yet often overlooked component of a healthy HVAC system. This lightweight barrier traps dust, allergens and other particles from entering the air, creating better air quality for our health and reducing the risk of mould, bacteria, allergic reactions and associated health issues.

Our filtration products also assist in improving equipment lifespan, minimising the need for repairs. Efficient equipment will also reduce any higher energy costs associated with dirty air filters that are forced to work overtime due to stifled air circulation.

Sigrist Design supplies a wide range of filters for HVAC, industrial, commercial and construction applications. We manufacture to custom design specifications and to a wide range of dimensions for a range of ventilation applications.

Our team can help you establish a maintenance program to ensure you receive your filtration products on a frequency determined by your operational needs that ensure you reduce the risk of downtime due to clogged filters or delayed replacement filters.

HVAC

As a supplier of HVAC products with over 30 years experience, our nimble, experienced and collaborative approach provides the best solutions with high quality products, quickly. Delivering projects Australia wide, ontime and to budget, our in-house manufacturing provides the advantages of being able to work from design through to the installation stage of individual projects, allowing us to provide superior service.

Unmatched in the industry, our reduced levels of complexity to solve problems allow Sigris Design to quickly make changes to a whole range of products. This flexibility within our range allows you to meet site dimensions and changing requirements, with minimal disruption to your projects, and we pride ourselves on getting it right the first time.



CEILING EXTRACTOR FANS



CYCLONE DUST COLLECTORS



DOUBLE WIDTH DOUBLE INLET CENTRIFUGAL FANS (DWDI)



FILTERED AIR SUPPLY UNITS (FASU)



FILTERS



INLINE CENTRIFUGAL FANS



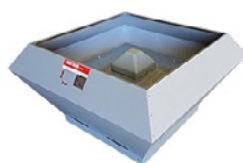
MIXED FLOW FANS



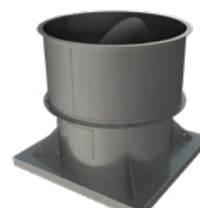
PLATE MOUNT AXIAL FANS



REVERSE JET DUST COLLECTORS



ROOF COWLS



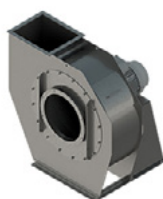
ROOF MOUNTED EXHAUST FANS



ROOF MOUNTED SUPPLY FANS



SILENT MIXED FLOW FANS



SINGLE WIDTH SINGLE INLET CENTRIFUGAL FANS (SWSI)



TUBE AXIAL FANS



WALL MOUNTED FANS

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