



Engineered HVAC Solutions

Product Portfolio





Your projects challenges and requirements are our focus. The dedicated Oceania team can engineer a tailored solution for your commercial HVAC application.

The Oceania Group is an Australian owned business that focuses on providing engineered HVAC solutions. Oceania Solutions Group value the importance of relationships with our clients and partners. Our team enjoy collaborating and solving complex 'design and construct' projects for your business with our product solutions.

Oceania Solutions Group are proud of our extensive portfolio and experience within HVAC industry. From industrial applications through to commercial air conditioning installations for tropical and high humidity environments.

Operating throughout Australia, New Zealand and the South Pacific Islands, we provide engineered technical data and commercial support for a wide range of HVAC solutions.

Our experienced team of HVAC professionals work hand-in-hand with market leading suppliers of HVAC solutions and equipment.

With international accreditation from Eurovent, CTI, AHRI, TÜV and AMCA, our products are rigorously tested and certified, meeting Australian and New Zealand standards and regulations.

Partnering with trusted international suppliers, we are available to provide an engineered solution for your next project.

Aeris Environmental

Oceania Solutions Group are a platinum partner with Aeris Environmental for a whole system approach to ensure HVAC&R systems perform better, last longer and cost less to run.

We offer AerisGuard Corrosion Protection Plus to provide protection in highly corrosive environments such as coastal, high salt, tropical locations that can reduce the effective life span of air conditioning and refrigeration equipment.

Coatings can be adapted to ensure the right solution is provided for the environment it will be operating in.

Aeris Environmental hold independent validation and certification from NATA, HACCP, NSF and Ecospecifier.



PacAir AHUs

PacAir modular air handling units by Oceania Solutions Group are customisable, designed and built for Asia Pacific conditions.

PacAir modular units can be used in both indoor and outdoor installations. PacAir air handling units have non-cold tracking options available to suit your thermal bridging requirements.

Manufactured in accordance with EN1886:2007 and built to comply with Australian Standards AS/NZS 3666, with particular attention to access for cleaning and maintenance, PacAir modular air handling units have all the features and accessories tropical climates require.

Available in horizontal, vertical and multizone configurations, chilled water, hot water, DX, steam and glycol coil solution, PacAir modular air handling units offer a reliable solution for any project.



Oceania Solutions Group offer an extensive range of air handling units (AHUs) from our valued international partners at Euroclima and Liberty.



Euroclima AHUs

Our Italian partner Euroclima use and promote the newest technologies that minimise the energy consumption of the complete air conditioning system.

The innovative casing construction of the ZHK makes the units extremely flexible to cover a wide range of functions from comfort to process applications. Euroclima have invested heavily in Eurovent certification and the standard range offers the highest flexibility available in the marketplace.

Euroclima are our partner for innovative, custom made, environmentally friendly air conditioning and air handling units. The user-friendly software allow for complete customisable configurations, ensuring the planning and application of the product is best suited to your project and requirements. The size and shape of the units can be easily adapted to on-site conditions and duct work.

Euroclima's extensive AHUs solutions and range, is suitable for the medical, food and hygiene, pharmaceutical, industries and are designed to perform in tropical environments reaching TB1/T1.

To support the Euroclima range, Oceania Solutions Group has trained in-house specialists offering a complete service from equipment selection and quotation to on-site commissioning with after sales back up.



euroclima®
We care for better air

Liberty Composite AHUs

Our Dutch partner Liberty manufacture a sustainable and maintenance free, composite air handling unit. The composite units are designed so that corrosion of the casing construction is impossible. They are also approximately 40% lower in weight when compared to steel air handling units, making this a genuine alternative solution.

The Liberty range is Eurovent certified T1/TB1. High efficiency fans and motors (IE3-IE4) or IE4 EC fans. All fasteners are in stainless steel AISI 304/316 (internal/external), the standard casing construction is suitable for application in corrosive environments; classified C5 according to ISO 12944-2. Wet cleaning with detergent solution is permissible, with no permanent construction damage in the case of excessive water exposure caused by calamities. The corrosion resistant casing results in extended maintenance intervals, meaning less down time.

This complete air side solution is suitable for all environments that are corrosive in nature, from coastal environments through to retro fit solutions where weight is a major factor.

LIBERTY
Composite Air Handling Units



PacAir RTUs

PacAir rooftop package units are designed using double skin construction panels with a 25mm polyurethane filled panel. Panels can be upgraded to a 50mm thermally broken construction to prevent cold tracking and panels can be removed on-site without affecting the structural integrity of the unit. Access panels can be sized to suit individual requirements of the project, with hinged doors opening outward for negative pressure applications and inward opening doors for positive pressure applications.

The units contain stainless steel 304 drain pans as standard, which are inclined to ensure no pooling of water. The drain pans are designed for easy cleaning and have a 1½" drain pipe connection to enable drainage of water.

PacAir rooftop package units are supplied with a range of high efficiency EC plug wall grid solutions. An option for AC plug, belt driven forward curve or backward curve options to fully fabricated industrial fans are available upon request. Fans can be configured to run in parallel for complete redundancy or in series, depending on your application.



Smartech WCPUs

Our range of custom built Smartech water cooled package units are available as cooling only or reverse cycle units. These units are a double skin construction and are a fully customisable solution, offering architects, design engineers, developers and building owners a robust, highly efficient and smart air conditioning system. This Smartech water cooled package unit is versatile, flexible and more economical when directly compared with central chilled water air conditioning systems, providing a genuine DX solution over chilled water plants.

Smartech units incorporate variable-speed drive scroll compressors and EC supply fans to provide efficient part-load capabilities and low load operation. This function provides the ability to save energy during part-load operation and will accurately match the building system cooling load requirement. This ensures our efficient system saves energy when possible. By accurately controlling and modulating the units cooling capacity and air-flow rates, this will match the building system air conditioning requirements in all seasons and situations.

This intelligent microprocessor and digital user-friendly controller comes standard with high level interface for BMS connections, via a BacNET open protocol and will display system operating parameters like air-flow rates, fan power input, compressor power input, unit electrical efficiency (EER) to ensure the client achieves the maximum functionality and lowest operational costs from the Smartech units.



PacAir FCUs

PacAir double skin fan coil units (FCUs) are designed and built for Australian and New Zealand conditions. Incorporating all Australian standards applicable to FCUs whilst providing a robust, low noise and flexible solution, the units can achieve the strictest design criteria of any individual project.

PacAir fan coil units are a low profile double skin constructed unit with high static EC ebm papst plug fans and AHRI certified coils for cooling and heating applications.

The units are suitable for a wide range of commercial and industrial applications.

The double skin, compact, robust design uses electronically commutated fans, providing an efficient solution for balancing airflow and acoustically sensitive projects.

Hospital and health facilities, shopping centres, tenancy fit-outs, hotels and apartments, office buildings, schools and universities are all benefiting from working with PacAir products for air side solutions.

PacAir is committed to providing comfort and assurance with a certified and quality solution for your next project or design.



Euroclima Cassettes

Keep cool in the summer and warm in the winter with Euroclima's ceiling mounted chilled water cassette solution.

The perfect solution for hotels and offices, the units are equipped with elegant ABS casing adjustable blades for optimal air distribution, high efficiency heat exchanger, drain pan, 3 speed fan, IR remote control, manual switch, signaling LEDs, removable and washable air filter.

Ceiling fan coil chilled water cassettes "CT CD" series have been designed and produced for a double exigency: high performances balanced with the quietest fan technology to produce an innovative design for every type of environment.

There are two versions available: 2 or 4 pipe solutions. The CT series allows for the treatment of both summer and winter air conditioning with a uniform optimised distribution, high fan efficiency, which has been carefully incorporated into our design.

The dimensions of the chassis and external panel are compatible with the European standard modules of false ceiling. The installation is simple thanks to the patented device, which allows a quick installation, avoiding all the typical disadvantages of this application.

The chilled water cassette is extremely versatile and suitable for multiple installations with a wide range of models and a variety of accessories available.

In-House Service Centre

Oceania Solutions Group offer a wide range of in-house services for our clients.

Our team of experts complete OEM training on all equipment and provide a direct line of support to all clients during installation and the DLP. We are the certified repairer for all of our equipment, offer detailed and comprehensive service packages and full commissioning platforms.



PacAir ERVs

PacAir double skin, energy recovery ventilators (ERVs) are designed and built for Australian and New Zealand conditions. Incorporating all Australian standards applicable to ERVs, the ventilators provide a robust, low noise and flexible solution to achieve the strictest design criteria of any project.

PacAir ERVs are a low profile, double skin constructed unit with high static EC ebm-papst plug fans. With the option of including AHR certified coils for additional cooling and heating applications. The plate heat exchange supply solutions are extensive, with both sensible and enthalpy heat exchanger options available for up to 85% recovery. Full and independent Eurovent certification for the air to air heat exchanges is available for peace of mind and confidence in performance.

Suitable for a wide range of commercial and industrial applications, our ERVs provide an ideal solution for balancing airflow in acoustically sensitive projects.

Hospitals and health facilities, shopping centres, tenancy fit-outs, hotels and apartments, office buildings, schools and universities are all benefiting from working with us for air side solutions.



Euroclima HW Series

Euroclima's range of high wall series fans coil units are the perfect solution for offices, schools, universities, light commercial and supplementary cooling applications.

The specialised features of the high wall series fan coil allow for a variety of applications and installation due to the flexibility to install this fan coil unit back to back against most materials and walls of your buildings.

The HW is a perfect and stylish solution for cooling and heating in any space. The ABS casing, high efficiency heat exchanger and finned coil has been specially designed and manufactured to make the unit as compact as possible. The fan, condensation drain pan, leads, IR control, manual switch, air filter all make the HW series an easy unit to install. The fan-coil is designed and comes complete with adjustable fins to change the airflow direction (only with IR) and obtain the best air distribution in the room. Air filters are easy to remove, wash and clean.



VTS Air Curtains

With headquarters in Luxembourg, VTS are located in more than 20 countries around the world.

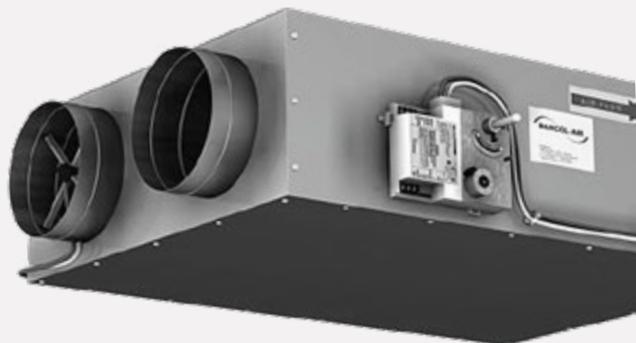
The VTS WING is the new generation device created from a passion for a light and modern design, representing characteristics of gliders. With minimal casing the curtain has a streamlined form of a wing that seems to float in the air.

The diamond style side panels hide the components in an innovative body to set new standards for air curtains.

The refined design ensures stable and quiet operation of the device, guaranteeing comfort for room users.

Simple cleaning of the curtain, double protective coating and efficient and durable EC motor ensure trouble-free operation of the device.

WING combines the unique design and excellent efficiency to redefine the air curtain image.



Barcol-Air VAVs

From the beginning, Barcol-Air has specialised in designing and developing the perfect indoor thermal climate for commercial air conditioning systems. Working closely with clients, consultants, architects and research organisations, Barcol-Air seeks to create an indoor climate which offers an optimum in terms of comfort and energy efficiency.

Barcol-Air has grown both its reputation and global business operations, based on their expertise in commercial air conditioning systems and component design with a focus on advanced low energy systems, particularly:

- Variable and Constant Air Volume Systems (VAV/CAV)
- Chilled Beam Systems
- Chilled Ceiling Systems

The low energy systems are well suited to first class office buildings, public buildings, hotels, hospitals, laboratory buildings, and industrial application.



Notes

Recent projects

Carpenters Tower
Fiji



Balina State
High School
New South Wales



Midgate Shopping
Centre
Western
Australia



CCEC
New Zealand



Westside Place
Victoria



Toowoomba
Grand Central
Queensland



ENGINEERED
HVAC SOLUTIONS



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projects, visit www.oceania-group.com

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