



oceania  
SOLUTIONS GROUP

# Engineered HVAC Solutions

Product Portfolio





## **Your projects, challenges and requirements are our focus. We have a dedicated team that can engineer tailored solutions for your commercial HVAC application.**

*Oceania Solutions Group is an Australian owned business that focuses on providing engineered HVAC solutions. We 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.

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.



## 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.





## IceBox AHUs

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

IceBox modular units can be used in both indoor and outdoor installations. IceBox 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, IceBox 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, IceBox modular air handling units offer a reliable solution for any project.

**ICEBOX**  
AIR HANDLING UNITS



## Komfovent AHUs

Our European partner Komfovent provide comfort, healthy indoor climates, efficiency, productivity with high quality, reliable products.

Proven in the Australia, New Zealand and South Pacific Island climates, the Komfovent plug n play solution offers a wide choice of control functions, already included as standard features.

The TB1 certified product provides the right thermal bridging profile for any project.

To support the Komfovent 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.

**komfovent**<sup>®</sup>



## Mesan Cooling Towers

Mesan cooling towers are recognised globally for their quality, engineering, research and development. The ISO awarded the ISO-9001-2008 certificate and CTI issued the CTI-STD-201 performance certification.

Environmentally-friendly technologies and energy-efficient products, the Mesan Oceania cooling tower portfolio includes counterflow induced draft, closed circuit induced draft and crossflow induced draft.

With custom built units that are made to order, Mesan Oceania are the solution for all of your cooling tower project requirements.



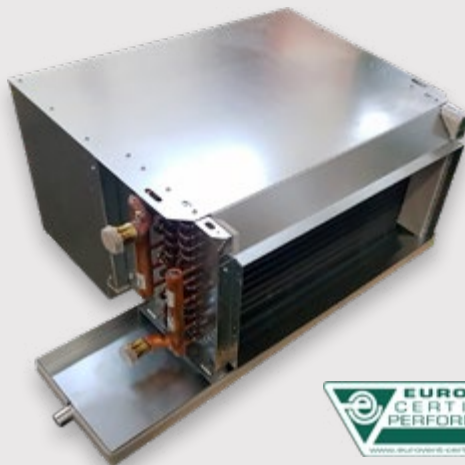
## Smartech WCPUs

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.





## Euroclima FCUs

Euroclima offer an extensive range of single and double skin fan coil units.

With optional filters and frames, three speed AC fan and 0-10 EC fan solutions for optimal air distribution.

These units provide an optimal solution for shopping centres, schools and universities, hotels, apartments and offices for summer cooling and winter heating.



## IceBox FCUs

IceBox 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.

IceBox 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 IceBox products for air side solutions.

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

# 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.



## 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.



## Euroclima Decorative Units

For under ceiling and floor mounted projects, Euroclima decorative units are equipped with elegant ABS casing or a powder coated metal case, adjustable blades for optimal air distribution, high efficiency heat exchanger, drain pan, 3 speed fan, HLI digital or analogue controls, manual switch and easily removable filter.

Euroclima decorative units allow for a variety of installation applications, from heritage buildings to hotels, classrooms and office buildings for summer cooling and winter heating.





## IceBox ERVs

IceBox 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.

IceBox ERVs are a low profile, double skin constructed unit with high static EC ebm-papst plug fans. With the option of including AHRI 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 ZHK NANO

For fresh air in the most economical way, the ZHK Nano has been designed to suit minimum space requirements. All chosen components have the best price / performance ratio and unit spaces are optimised.

This compact unit is available in four sizes and includes energy efficient direct drive plug fans, fiber glass filters on return and fresh air streams, heat recovery device such as a counterflow plate heat exchanger or a heat wheel.

It is the best choice to provide high comfort to a wide variety of applications for buildings such as offices, schools, hotels, airports, commercial centres, fitness centres plus so much more.



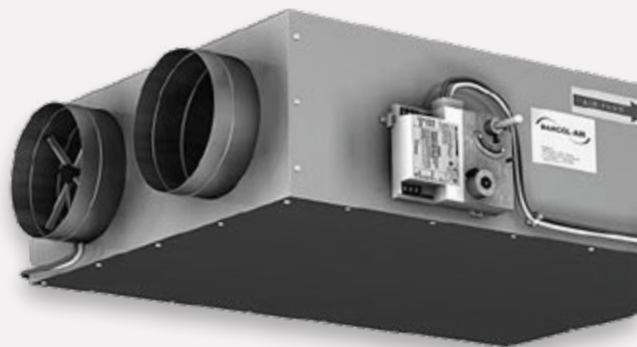


## Euroclima HW Series

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.



## 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.



## 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.



## Reverso 361

Meet the hydronic fan coil unit range that provides heating, cooling, purification and dehumidification all in one. The sleek and stylish design captures all these functions in four types of units; high wall, floor standing, bathroom and low bodied.

At 12cm deep, the Reverso 361 series is 10% thinner than any direct competitors and perfect for any commercial, industrial or residential space, including wet rooms, bathrooms and small areas.

These units come in a range of sizes and are available in stainless steel and gloss white, have Wi-Fi controls, DC inverter technology, low power consumption (only 4 Watts) and are easy to install and maintain.





## Chicago Blower

Chicago Blower Oceania provide industrial fans to the Oceania region. Made in Australia to the highest of standards that assures certified performance, relentless dependability and longevity.

The manufacturing facility in Sydney, NSW solves difficult and unique air movement problems from energy related issues or industrial processing, to simply moving a precise volume of air.

Experienced engineers design a dependable fan that will precisely fit your performance and dimensional requirements. With current projects in industries such as mining, agriculture, food processing etc, Chicago Blower Oceania have the solution to all of your industrial fan needs.

**CHICAGO BLOWER**  
OCEANIA



## HVAC Attenuation

HVAC Attenuation focus on providing high quality Australian made attenuators for any project solution.

With a range of circular, rectangular, sound bar louvers and acoustic enclosures, these attenuators are manufactured in order to ensure they are fit for purpose.

Casings have been designed to ensure no deflection in the casings or flanges, and HVAC attenuators are rigorously tested for performance.



# Our Solutions Partners

## 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.



## Steril-Aire

*Steril-Aire sets the standard for UVC for HVAC. Numerous studies have shown that the HVAC system is an amplifier, reservoir and transportation mode for mold and bacteria throughout a building.*

These biologicals have also been linked to hospital acquired infections as well as Sick Building Syndrome and allergy and asthma triggers.

Steril-Aire UVC solutions are independently verified to outperform the competition in the demanding environment of a HVAC system. Steril-Aire UVC Emitters deliver the highest output in the industry—9 microwatts per linear inch of glass measured from a distance of 1 meter—independently tested at an air velocity of 400 feet per minute at 50° F.

Steril-Aire HVAC surface and air solutions deliver up to six times the output of other UVC devices, have up to double the product life-cycle, and consume less energy. Oceania Solutions Group are proud to be partnered with Steril-Aire for a quality HVAC solution.



## Recent projects

**Carpenters Tower  
Fiji**



**Balina State  
High School  
New South Wales**



**CCEC  
New Zealand**



**Midgate Shopping  
Centre  
Western  
Australia**



**Westside Place  
Victoria**



**Toowoomba  
Grand Central  
Queensland**



**ENGINEERED  
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