

PREMIUM PRODUCTS

TRADE WITH CONFIDENCE

Dear Customer,

Thanks for showing interest in our products.

Premium HVAC Products PTY LTD T/A Premium Products is an Australian, Melbourne based company servicing the HVAC Industry with a goal to supply Premium Products at economical prices within requested time frame.

My personal background is a Mechanical Engineer with over 20 years of experience in HVAC industry. While working in Australia for the more than 6 years with reputable HVAC product manufacturing companies, I believe some opportunity exist in the market which our solution-based business can now cater for.

We are introducing below listed products in Australian Market, designed in Australia and manufactured in India by most trusted manufacturers meeting highest levels of quality.

Our Product Range includes:

- 1) Customised Fin and tube Cooling and Heating Coils
- 2) Customised Micro Channel coils
- 3) Customised DX Coils with VRF Condensers
- 4) Customised DX AHUs – alternative solution to PAC units
- 5) Customised 100% fresh Air unit with Heat Recovery Wheel

Please allow us an opportunity to work with you and we assure you that you will get best products and services.

Please contact for any further information.

Best Regards,

For Premium Products

Rupesh Kumar

(B.E.-Mechanical)

Enclosures:

- 1) Information on Coils
- 2) Information on Coils + Condensers solution
- 3) Information on AHUs + Condensers Solution
- 4) Information on 100% fresh Air unit with Heat Recovery Wheel

PREMIUM HVAC PRODUCTS PTY. LTD.

Mobile : +61 468 493 451

E-mail : info@premiumproducts.net.au

Website : www.premiumproducts.net.au

Address: 52 Bernborough Ave. Cranbourne West VIC 3977

ABN : 40 651 589 589

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Customised Fin and Tube Cooling and Heating Coils (Lead time: 2-4 weeks (by air freight))

We can supply custom built cooling/heating coils as described below:

Dimensions : As per customer requirement

Tube Material : Copper/Stainless Steel

Casing Material : GSS/Aluminium/SS-304

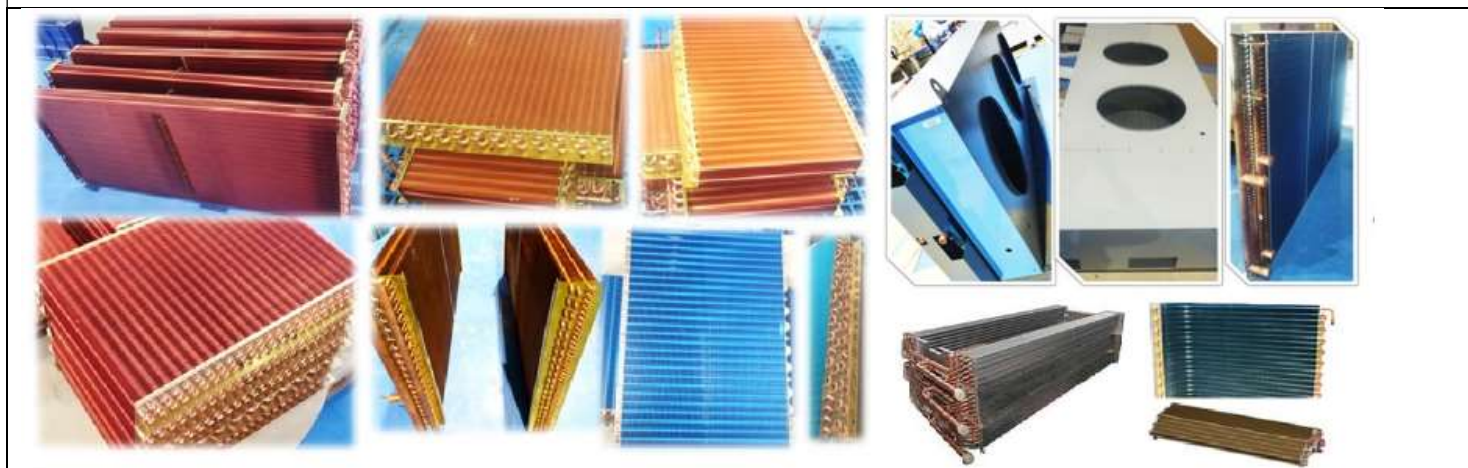
Fin Material : Aluminium/Stainless Steel/Copper

Refrigerant : Water / Steam / R410A/ R32/Other Gas

Tube Dia. : \varnothing 5mm, \varnothing 7mm, \varnothing 3/8", \varnothing 1/2", \varnothing 5/8"

Header Material: Copper / Mild Steel/Stainless Steel

Anti corrosion coating: Hydrophilic Blue fins, Heresite, Blygold etc



Applications:

New/Replacement coils for

- Air Handling units
- Duct coils
- Packaged units
- Chillers
- Condensers
- Freezers etc

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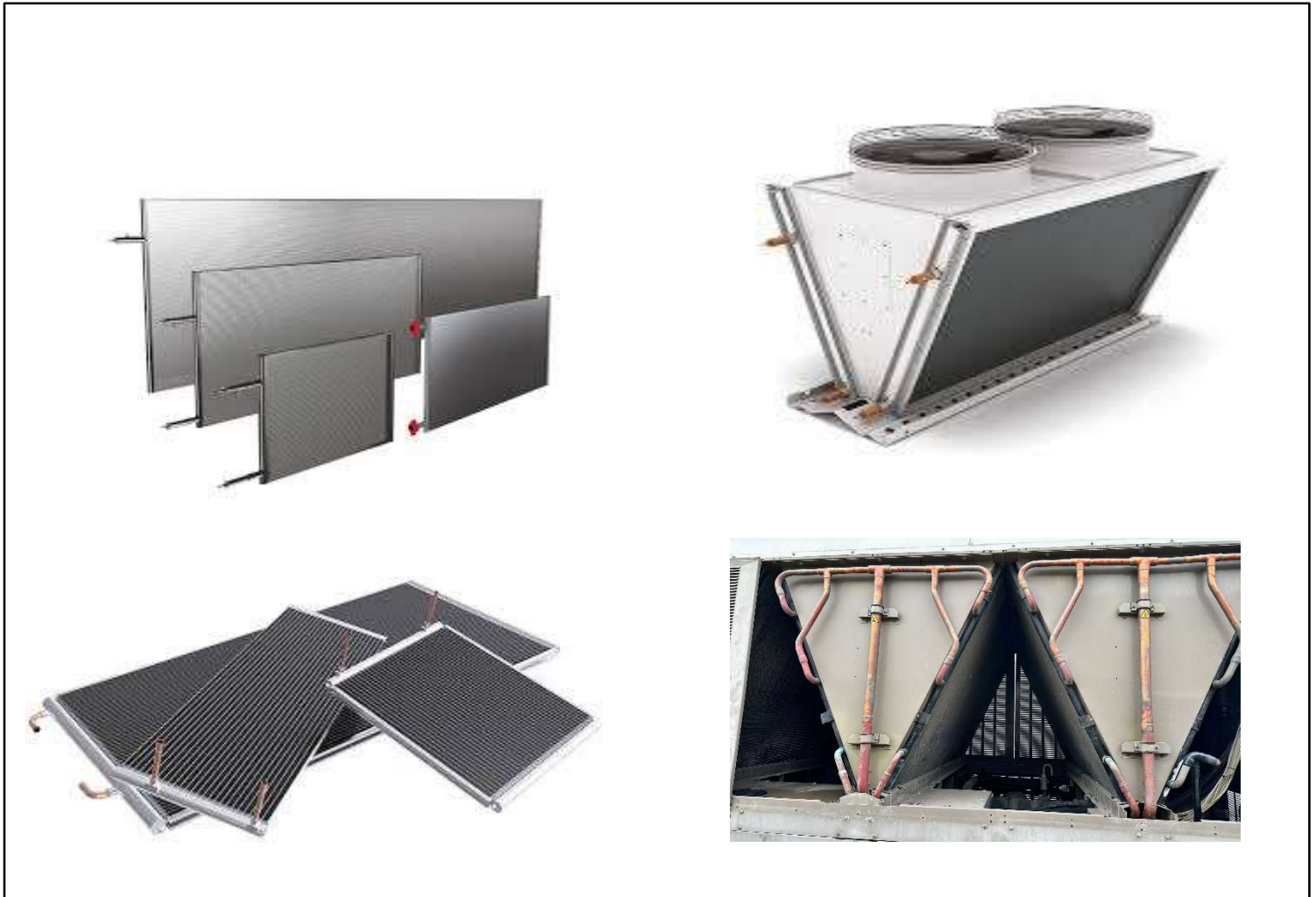
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Standard/Customized Microchannel Coils - Lead time: 2-6 weeks (by air freight)



We supply microchannel coils which can be made to your exact specifications. All of our microchannel coils can be supplied with epoxy coating which will increase the life of our coil.

Our microchannel coils are used in a variety of industries and applications:

HVAC , Refrigeration, Industrial, Compressor Cooling, Oil & Gas, Pharmaceuticals etc.

Direct Replacement microchannel coils are available for major brands, which we can cross-reference for specs:

Trane, York, Carrier etc.

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Customized DX Coil with Condensers

This is a cost effective and energy efficient solution for below applications:

1) Failed Condenser, Chiller, Boiler:

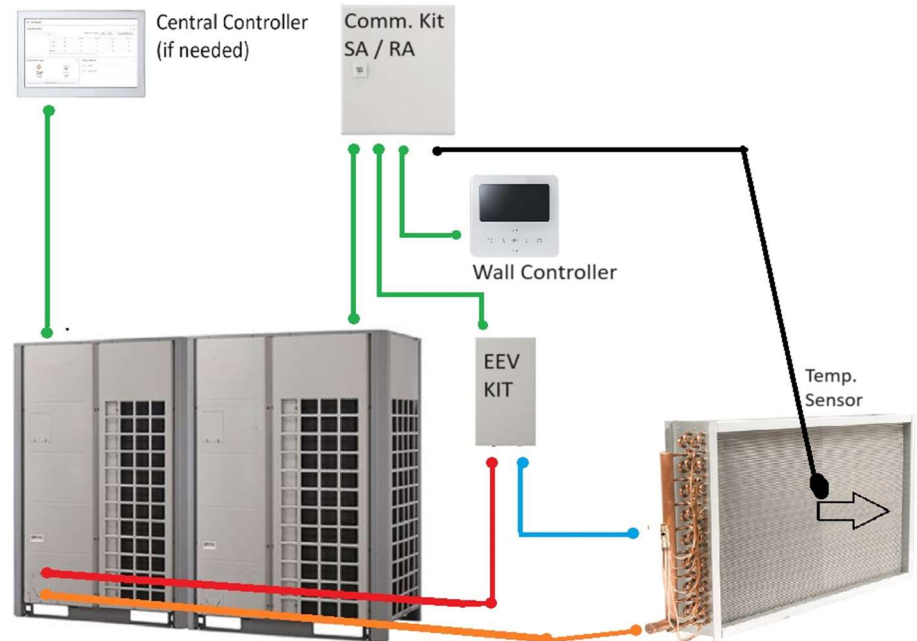
For an existing AHU, Packaged unit, Ducted Split unit where condenser, chiller or boiler has failed - replace the cooling coil and add our VRF condensers+Coil Solution.

2) Old System-High Demand:

If existing system is unable to meet demand, add a coil in ductwork and connect with our condensers of desired capacity.

3) Pre-treated Fresh Air:

Some applications need continuous fresh air which increase load on already installed system. This solution can be used to precool/heat Fresh air.



Condensers are available in 2 Chassis Sizes
1) 22kW to 34kW : 950 (W) X 775 (D) X 1700 (H) X 225kg
2) 40kW to 70 kW:1250 (W) X 775 (D) X 1700 (H) X 325kg

Custom designed coil - To meet desired duty and match condenser design requirements

Features and Benefits:

- VRF condensers are highly energy efficient, normally have EER/COP ratings above 5.
- These condensers can easily ramp up and down with varying heat loads.
- Reverse cycle system and can be used either for cooling or heating
- Individual wall controller or a central controller can be provided. MODBUS, BACNet and DDC control outputs are available.
- Condensers come in modules, are light weight and can be carried to roof using a lift too.
- There is no limit on capacity, can start from 10kW to 700kW and above.
- No need for additional anti corrosion protection, already taken care off.

- Coils will be designed to meet requested duty and match with condenser design criteria.
- Quick availability and affordable
- Customer need not change the whole system.
- Can be easily taken into and installed in tight spaces
- Quick and economical solutions

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Customised alternative solution for Rooftop PAC units, Commercial Ducted Splits and Reheat Systems

This is a cost effective and energy efficient solution for as an alternative to packaged units:

1) Energy Efficient

2) 100% Fresh Air:

Where customer needs 100% fresh air and PAC units fail.

3) Additional Filtration Levels:

Where customer needs extra filtration and PAC units fall short of static pressure.

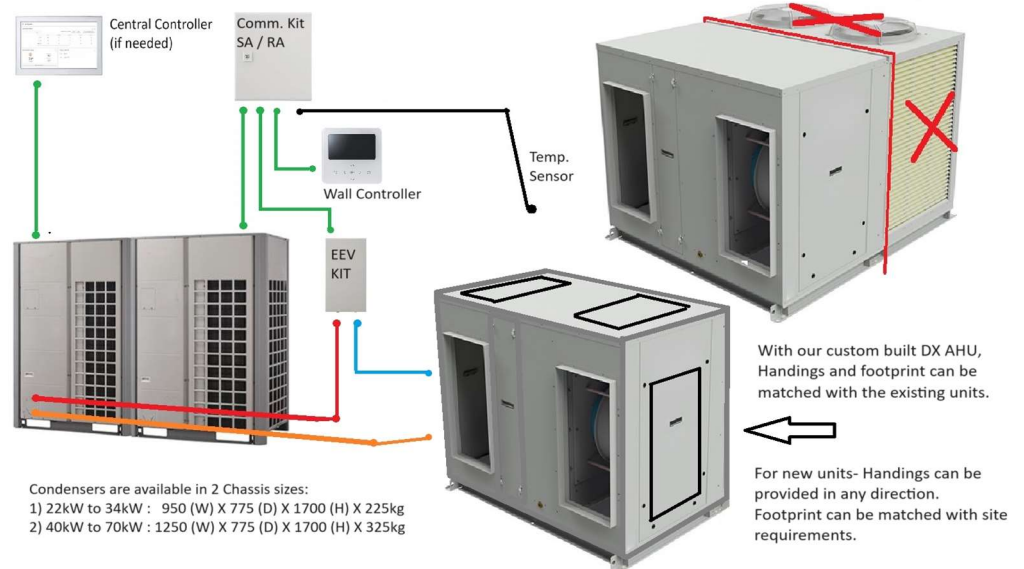
4) More airflow wrt kW:

5) Limited load bearing roof:

Where roof cannot take load of a PAC unit.

6) Control options:

Where customer needs different types of sensors and controls-like CO2, differential pressure, on coil off/off coil temp sensors etc.



Features and Benefits:

- AHU can be customised to meet **existing supply and return air connections**.
- Footprint can be matched with existing unit or available space.
- Casing comes with Aluminium framework and 25/50mm thick insulated panels.
- EC plug fan can be designed to meet desired static pressure and can be controller by a 0-10V signal.
- Additional filterations and Economy kit can be added to the AHU.
- AHU can be supplied in Flat pack for easy transportation and installation on the roof.
- There is no limit on capacity, can start from 10kW to 700kW and above.
- VRF condensers are highly energy efficient, normally have EER/COP ratings above 5.
- These condensers can easily ramp up and down with varying heat loads.
- Reverse cycle system and can be used either for cooling or heating
- Individual wall controller or a central controller can be provided.
- MODBUS, BACNet and DDC control outputs are available.
- Condensers come in modules, are light weight and can be carried to roof through lift too.
- No need for additional anti corrosion protection, already taken care off.
- Load can be distributed on roof and platform costs can be brought down.

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Customised Energy Recovery Ventilators for 100% Fresh air application, Reheat units

We manufacture and supply custom built energy recovery ventilators fitted with Eurovent certified Heat recovery Wheels selected for more than 80% efficiency.

This is a cost effective and energy efficient solution for as an alternative to packaged units:

This units is used for 100% fresh air applications where we want to recover energy from return air.

Can be customised to meet Airflow and kW's.

Can be customised to fit into available space.

Handings can be customised.

Can be supplied with CWC/HWC or DX coils.



- Airflow Range** : 100l/s to 50000l/s and above
- Design** : 100% customisable based on customer requirement.
- Framework** : Heavy Duty Thermal Break Extruded Aluminium profile.
- Panels** : Double Skin PUF insulated sandwich panels with 25mm/50mm(or as requested) thick Panels (0.6 mm thick pre-coated sheets on both sides)
- Coil** : AHRI certified cooling/heating coils
- Drain Tray** : SS-304 Drain tray
- Fan** : EC fan, AMCA certified Plug fan, DWDI Forward/Backward curved fan.
- Motor** : AC Motors (IE3 or above), Permanent Magnet Synchronous Motors (PMS) with efficiency above IE4, EC Motors.

Note: All AHU's can be supplied with Chilled water coil, hot water coil, reheat coil, DX coil, Plug fans with High efficiency TEFC motor + VSD or EC fans, Pre Filter, Bag Filters or HEPA filters, UV light etc.

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