



Inventive design. Intelligent solutions. Intuitive control.

Airstream air conditioning distribution systems



Airstream, the air distribution specialists

As air flow engineering specialists, we know that Australia's harsh climate demands more than just an effective air conditioning unit. To enjoy year-round comfort throughout your home, you need an equally high quality air distribution system.

That's where our precision engineered products and innovative technologies come in.

Inspiring an air conditioning evolution

As former partners in one of WA's largest air conditioning companies, Airstream founders Walter Kimble and Mike Temple understand the science of air management intimately. And it's this knowledge that has inspired the industry's next generation of intelligent air distribution systems.

Optimising efficiency, maximising comfort

Built specifically for Australia's climate, our products and components are designed to meet the most stringent commercial standards. The result is a huge leap forward in energy efficiency, intuitive control and ultimately comfort.

Innovation and impartiality

We've also made it our mission to cut through the contradictory and often misleading information in the marketplace. We focus wholly on providing the advice and high quality products you need to ensure your air conditioning system delivers.

No gimmicks. No unnecessary features.

No compromises. Just air conditioning distribution solutions that deliver industry-leading performance, savings and comfort control.





GREATER CONTROL FOR GREATER SAVINGS

Our unique control algorithms turn dampers into highly accurate airflow monitors that can be automatically adjusted in 5 per cent increments in every zone. That's ultra-fine control that will maximise efficiency and minimise costs.

Why choose Airstream? That's easy

With so many factors to consider, choosing the right air conditioning control and distribution system can be difficult. But we want to make it as easy as possible for you. So here's our at-a-glance guide to why Airstream is the right choice.

Unrivalled insulation, maximum efficiency

We're the only company to offer a complete R1.5 thermally rated system – the most thermally efficient available. All of our fittings are made from R1.5 composite board. The rest of the industry uses minimum grade R0.4 plastic fittings. Moreover, our flexible duct is rated R1.5 as standard.

Our no-leak guarantee: Four layers of leak protection

- Foam seals on all damper blades to prevent conditioned air leaking into unused zones
- Composite fittings that are glued, not clipped together like cheaper plastic fittings
- All fittings are internally sealed during manufacture
- All fittings are externally sealed with reinforced aluminium tape to vapour seal the fitting

BUILT TO LAST AND LAST AND LAST...

Our metal dampers, powder-coated aluminium grilles and aluminium-composite air network terminals don't crack, fade or warp over time.

More intuitive, more reliable, more stylish

iZone® is the most intuitive and reliable zoning system on the market, with a measured warranty rate of less than 1%. No wonder major Japanese and German brands have asked us to develop control systems for their next generation air conditioning units.

The most comprehensive warranty

Because quality is our priority, we're able to offer a full 10-year warranty. That covers everything, including electronic components. We're confident in our system, so you can be too.

We're proudly WA owned and operated

Airstream is a Western Australian company. That means we understand Australia's unique climate, but it also means we're here for you if you need us – Airstream's owners and founders oversee everything we do, every day.

How air conditioning works

While the science behind air conditioning and climate control can be complex, we're here to make it as easy as possible to ensure you secure an air conditioning system that works as efficiently and cost effectively as possible. So here's how it all works.

A ducted reverse-cycle air conditioning system is one of the most effective and economical climate control systems around.

There are basically two parts:

- The air conditioning unit; and
- The air delivery or air flow distribution system.

The air conditioning unit

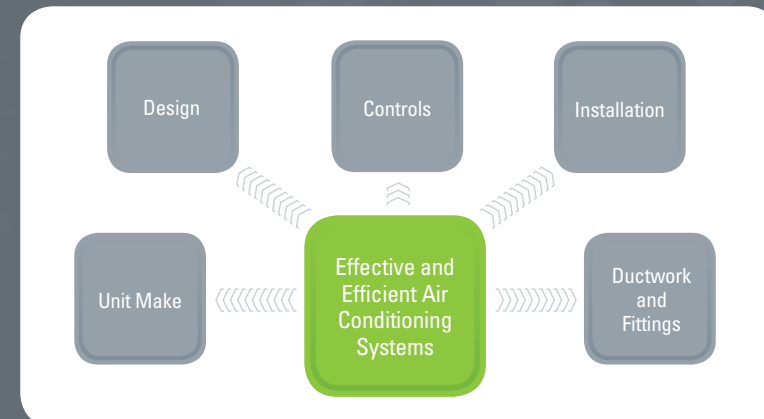
An air conditioning unit comprises an outdoor condensing unit and an indoor fan coil component. It pumps heat from the indoor unit to the outdoor unit in summer, and vice versa in winter.

The air delivery or air flow distribution system

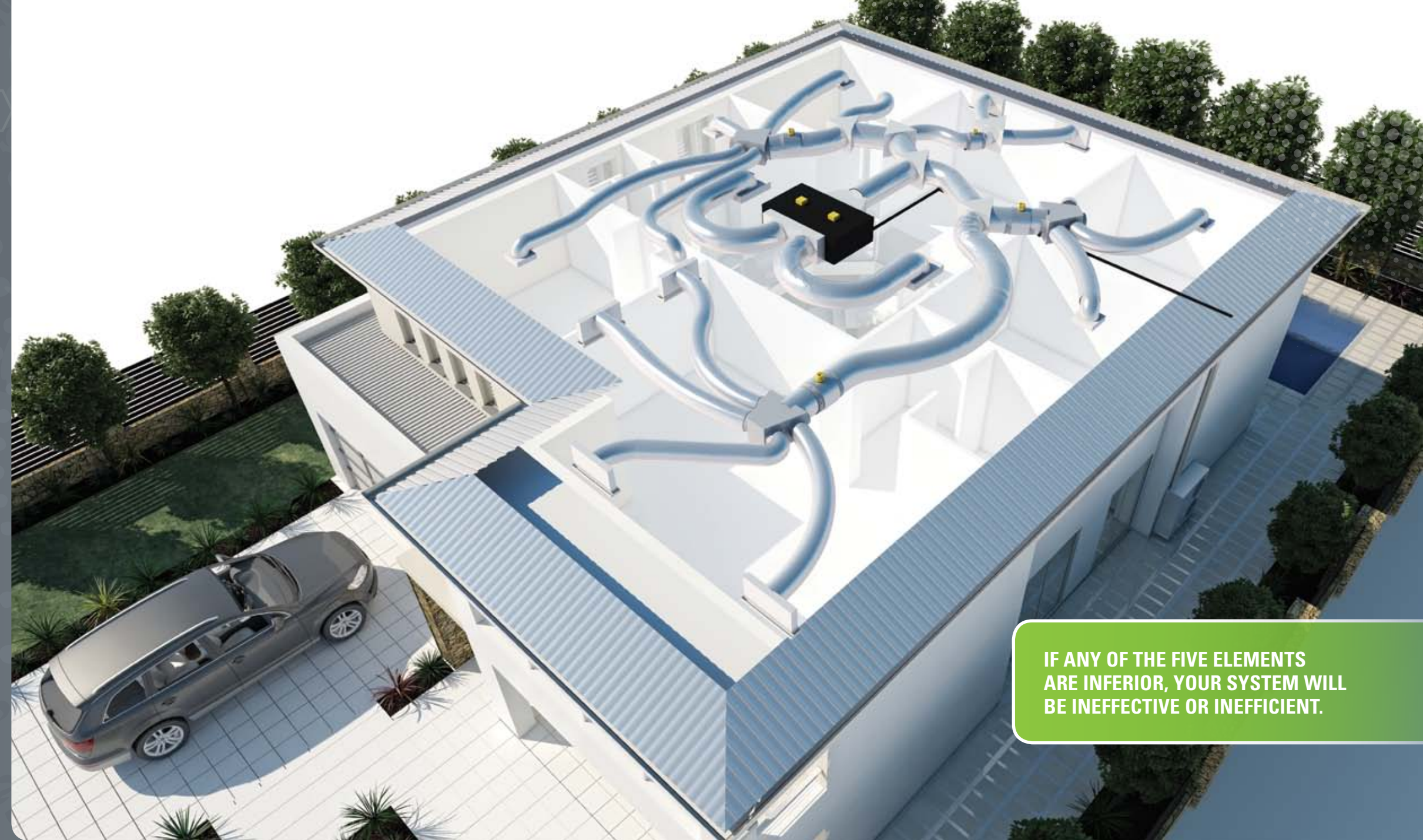
Delivering conditioned air from the indoor air conditioning unit into your home, the air distribution system comprises ductwork, air network terminals, zone dampers, controls and air diffusers. The air inside your home is drawn back into the indoor unit via return air grilles and filters, before travelling back to the indoor unit via the ducting network.

A holistic approach

There are essentially five elements that are critical to an effective ducted air conditioning system.



For your system to deliver value for money, as well as perfectly conditioned air throughout your home, all of these elements must be designed, built and integrated correctly. Anything else will compromise your comfort and make your system more expensive to operate.



IF ANY OF THE FIVE ELEMENTS ARE INFERIOR, YOUR SYSTEM WILL BE INEFFECTIVE OR INEFFICIENT.

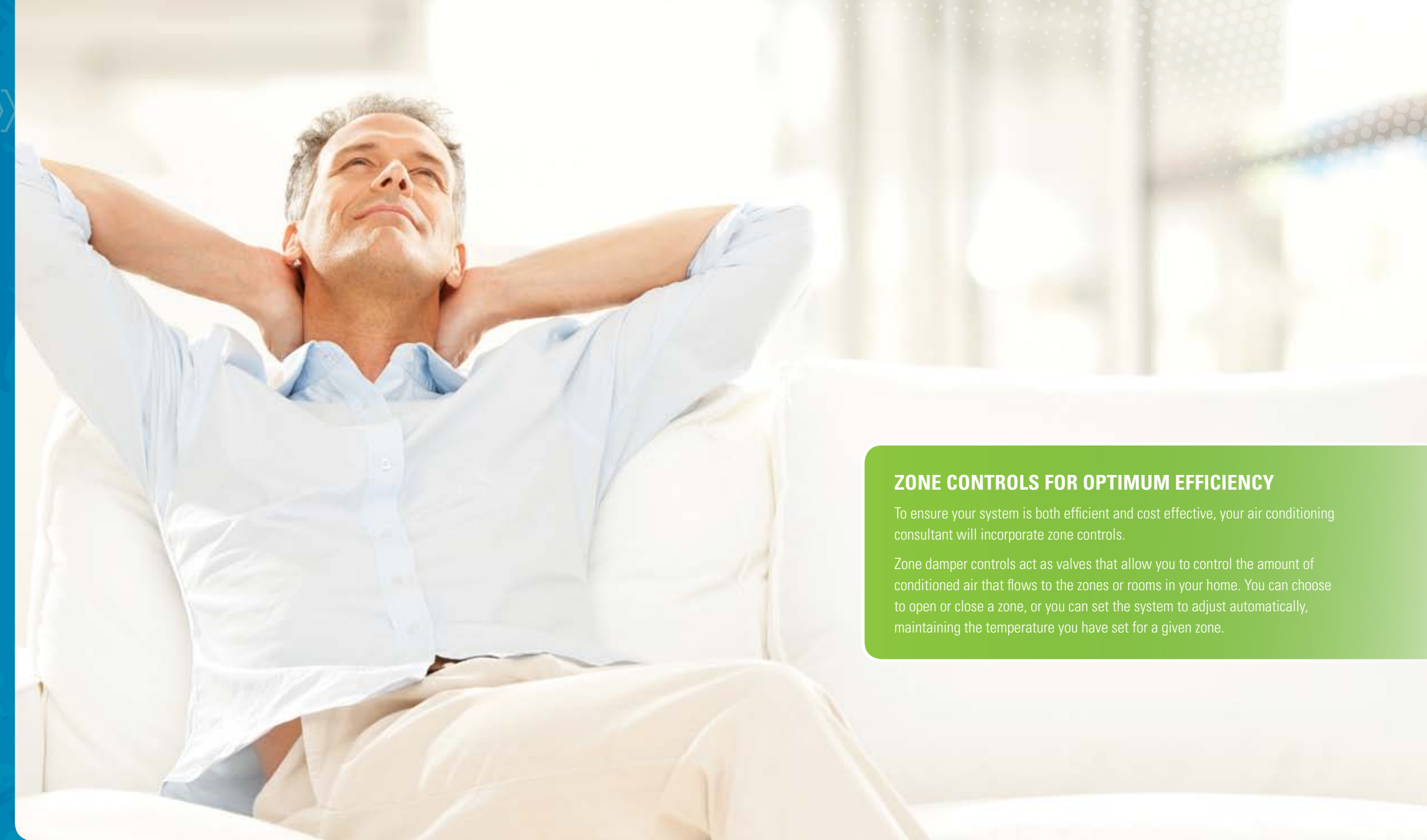
Intuitive, customised climate control with iZone®

iZone® is our proprietary touch screen climate control system, putting complete home-wide air management control at your fingertips. No matter where you are in your home, with iZone® you can adjust the temperature in any room at the touch of a screen.

It's as simple and intuitive to use as your phone, enabling you to fine-tune the temperature in every room instantly.

- Compatible with all leading air conditioning brands
- Add up to 12 colour touch screens for temperature control in every room
- Up to 12 zones available for maximum flexibility
- Customise zone names and add zones as your lifestyle and needs change
- Open/close or fine-tune airflow instantly from any screen
- Program schedules for automatic control
- Single button operation for set-and-forget 'Favourite modes'

iZone® is also easy on the eye – no ugly wall sensors, just elegant touch screen consoles that you can customise to suit your home's interior design. Changing the background colours on your screens is as straightforward as choosing the precise temperature you want.



ZONE CONTROLS FOR OPTIMUM EFFICIENCY

To ensure your system is both efficient and cost effective, your air conditioning consultant will incorporate zone controls.

Zone damper controls act as valves that allow you to control the amount of conditioned air that flows to the zones or rooms in your home. You can choose to open or close a zone, or you can set the system to adjust automatically, maintaining the temperature you have set for a given zone.

iZone® 310: Even greater control

Our entry-level iZone® 210 interface provides industry-leading airflow control and functionality. But now, with iZone® 310, you can enjoy even greater control over air distribution, as well as your air conditioning unit, all from one stylish, easy-to-use colour touch screen.

Master control and temperature-controlled zones

With iZone® 310, you have master control functionality so you can manage the temperature of your home and the zones within it holistically, from any console.

Unlike other systems that aggregate temperature across your home, resulting in wide variations, you can ensure your air conditioning system provides the comfort you want, without wasting energy.

What's more, with temperature sensors on every controller in your home, you can take that control to an even higher level – every room will be at the exact temperature you want, all the time. The finest control delivering substantial energy and cost savings.

FULLY INTEGRATED SYSTEM CONTROL

iZone® 310 integrates the functionality of your AC unit controller and zone controls into one easy-to-use colour touch screen. But it does so much more.

Wifi, 3G and web-ready

Already packed with unique functionality, iZone® 310 is also future-proof, ready for a host of innovations, including our new iPhone app that turns your phone into a controller. You'll also have WiFi, 3G and web-based system control, as well as the option of integration with home automation systems.*

With iZone® 310, you'll have ultimate control, anywhere, any time.

*Functionality coming soon...



iZone® features

	iZone® 210	iZone® 310
Intuitive user navigation	✓	✓
Customisable touch screens	✓	✓
Number of zones available	12	12
Maximum number of screens	12	12
Airflow adjustment	5% increments	5% increments
Zone temperature control	Any combination of zones	Any combination of zones
Favourites mode	✓	✓
Filter clean alert	✓	✓
Scheduling	7 day	7 day
Warranty	10 years	10 years
Air-conditioning unit control	Via manufacturer's controller	Full Daikin and Panasonic unit control via iZone
Temperature sensing	Touch screens	Touch screens and A/C unit return air sensor
Options for A/C unit control	✗	- Return air - Master touch screen - Auto select from temperature controlled zones
Modes	✗	Cool, heat, vent, dry, auto
Fan speed	✗	Low, medium, high, auto*
Damper control	Tuned PID	Tuned PID
Protocol	CAN Bus (as used by BMW)	CAN Bus (as used by BMW)
Future proof	✗	iPhone, WiFi, 3G and web ready**
Home automation system integration	✗	✓

** Not available at the time of printing

*Some AC unit models are not equipped with all the fan speeds listed



**YOUR IZONE®
CONSOLE HAS
CUSTOMISABLE
COLOUR SCREENS**



Air conditioning that looks as good as it feels

At Airstream, we've become the partner of choice for discerning interior designers and architects. And it's little wonder. In addition to industry-leading performance, our products offer more colour and configuration choices, so your system will complement your decor.

Your home, your system, your style

Gone are the days of one-style-fits-all air conditioning systems. Our commitment to personalised aesthetics extends from iZone® – our sleek colour touch screen control system – to our range of supply air diffusers and return air grilles.

The power of personalisation

Diffusers and grilles are the most visible elements of your air conditioning system within your home. That's why our premium range of fire-rated diffusers and grilles have been designed to work in harmony with your home's decor and colour palette.

More choices

You can choose from a host of colour and customised configuration options – simply select the look that suits your home's interior. And because our premium diffusers and grilles are engineered from colour-fast metal, they won't fade, crack or warp over time.

Alternatively, opt for our cost-effective plastic range in classic traditional white. The choice is yours.



ENGINEERED DESIGN

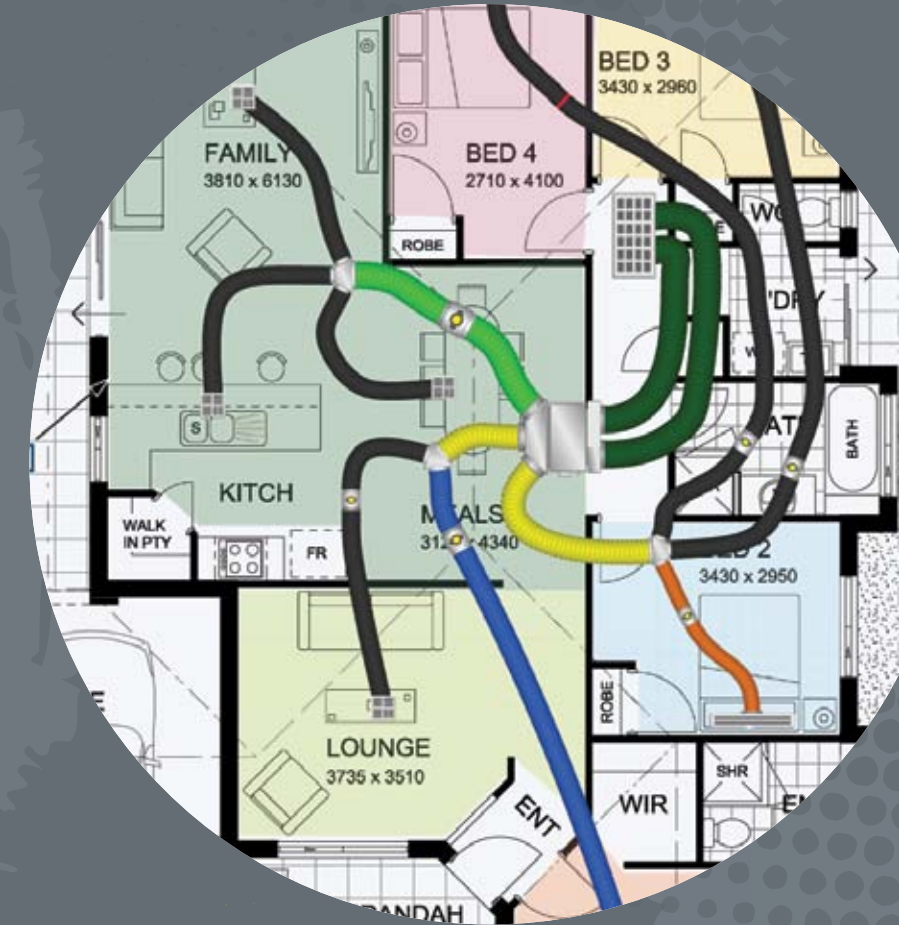
Cost effective, efficient comfort

Even our system design software is advanced and intuitive

Our air conditioning optimisation software enables air conditioning consultants to design, specify and price the most efficient and cost-effective air conditioning system for any home.

Built on best practice thermodynamic and engineering principles, our software makes it easier than ever to create the perfect air conditioning system for your home. From room-by-room heat load calculations through to specifying the ideal ductwork, grilles and diffusers, it balances all the variables, ensuring that you:

- Choose the ideal air conditioning unit and airflow management system combination
- Can modify your system at the design stage without compromising its integrity or your budget
- Know exactly how much your new system will cost upfront
- Maximise comfort levels while minimising energy consumption
- Enjoy absolute climate control and long-term financial benefits

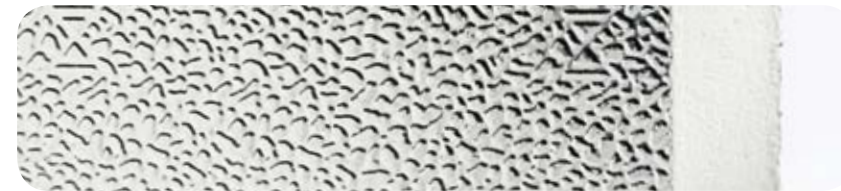


Ensuring optimum energy efficiency and performance

The key to cost-effective air conditioned comfort lies in the efficiency of your air distribution system and the quality of its component parts. The more energy efficient your air conditioning system, the more economical it is. So why do our solutions set the industry benchmark?

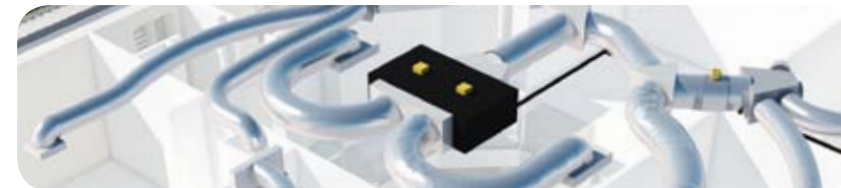
WHY QUALITY INSULATION COUNTS

On a 35°C Australian summer's day, the void beneath a white Colorbond roof will be 41-55°C. Traditionally, this is where a lot of your air conditioning unit's capacity is lost – through poorly insulated ductwork and fittings.



Thermally efficient duct board

Instead of leaky, poorly insulated fittings, we use fully sealed duct board that's made from R1.5 20mm-thick polyurethane, sandwiched between aluminium, providing optimum thermal efficiency.



Exceptional insulation exceptional efficiency

All of our ductwork and fittings are constructed with a minimum of R1.5 insulation. This ensures you receive the full benefit of the air from your air conditioning unit throughout your house.

Every component is painstakingly sealed by hand, ensuring a leak-free product that delivers our trademark air conditioning efficiency. We even provide an 'airtight guarantee' that our fittings do not leak precious conditioned air.

Tough, flexible, low-friction ductwork

We use metalised mylar ductwork insulated with R1.5 polyester as standard. It's as tough, durable and thermally efficient as it is flexible and smooth, ensuring the air in your system meets minimal resistance.



Zone dampers: Complete peace of mind and control

The automatic control of air to each room is accurately measured and adjusted by an engineered variable air volume damper. Unlike plastic dampers, ours are constructed from galvanized metal and 10mm fire-rated insulation, so they won't distort and fail at high temperatures.

In fact, all the products in our premium range are made from metal or metal composite materials, making them stronger and more reliable, even in the harshest Australian conditions.

The highest specification air network terminals

Engineered to the highest specifications, our air network terminals (ANTs) are built to last, manufactured using a computer aided system from our unique, thermally rated composite panels – rigid 20mm thick fire rated insulation board, sandwiched in a strong aluminium shell.



A selection of diffusers and grilles



Bar Grille



Swirl Diffuser



Linear Diffuser



Multi Directional Outlet



Louvre Faced Diffuser



Wall Register



Return Air Grille

Benchmark health and safety standards too

More than just providing energy efficient, high performance air conditioning systems, our best practice approach to design and precision engineering also sets the industry standard for health and safety.

Our airtight leak-free guarantee

Air distribution systems that leak are inefficient and put the health of your family on the line. Fittings that leak draw contaminants from the roof cavity into your home – contaminants such as dust, fibres and microbes from the ceiling void.

That's why our leak-free guarantee is doubly reassuring. It means you can rest easy in the knowledge that your air distribution system is both efficient and safe.

Supplying and designing the finest air filters

At Airstream we supply high quality electrostatic air filters as standard. They're among the best available and capture most household dust and lint.

However, if you have allergies or another health issue that calls for an even more intensive filtration system, we also design and build bespoke high efficiency filtration modules. Ask your consultant for more information, or contact us for details.

REAL-WORLD SERVICE, REAL QUICK

Our pledge to provide industry-best performance extends to our service warranty. All our products therefore come with a 'no quibble' 10-year locally supported warranty, which means we promise to address and rectify any issues you have with any of our products in less than 7 days.

To expedite repairs and allow us to fulfil our service obligations to you, please follow the procedures of our warranty policy at www.air-stream.com.au.

Reassuring fire-rated credentials

We recommend metal-based ductwork fittings and grilles at Airstream as they are non-combustible and have proven fire-rated credentials. Our premium series of fittings do not support combustion, which means they don't release dangerous smoke and gasses in the event of a fire.

iZone®: Hard wired for your safety

Wireless networks can interfere with other electrical equipment in your home. More importantly, the radiation they generate has been linked with health issues. That's why we hard-wire our iZone® touch screen controllers – it's a safer, more reliable solution that provides complete peace of mind.



airstream
COMPONENTS

For more information about our inventive approach, intelligent solutions and commitment to providing intuitive climate control, visit www.air-stream.com.au

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