

*Advantage***Air**

Takes reverse cycle  
air-conditioning to a  
new level of comfort.



[www.advantageair.com.au](http://www.advantageair.com.au)

# Advantage Air makes everyone feel right at home.

There's much more to reverse cycle air-conditioning than blowing hot and cold air. It has the ability to create a home environment that is perfectly tuned to the comfort needs of all its inhabitants.



**With Zone 10, Advantage Air has leapt even further ahead of any other standard domestic zoning control.**

Advantage Air has taken their evolutionary advantage further with the Zone 10 system, the next step in complete home comfort. Clever technology works to deliver air-conditioning comfort more efficiently, with more control to the various zones in your home.

Zone 10 is Advantage Air's next generation of zone control technology, reinventing the already market leading on/off zone control of the Zone Station. With more zones, a touch screen and more integration options, Advantage Air has further built on the reliability and ingenuity of its predecessor.

It's not just their performance and reliability that sets Advantage Air products apart from the rest. The highly-evolved nature of their award winning systems is evident in their design and reliability. To prove it's not just talk, Advantage Air guarantee their ducting components for 10 years and their electronic controls are covered by a 5 year guarantee.

Advantage Air is proudly Australian owned and designed meaning its systems are specifically designed for extreme climatic conditions.



## Air Management

### The Advantage Air difference starts with ingenious 'Exact Air'.

As your air-conditioning consultant will have chosen the correct unit size for your home, there will be ample air to be distributed to each room. However, the amount of air flowing to each room may often vary due to different duct lengths and design layouts. Your installation professional should balance the system using dampers in the ductwork in order to increase or decrease the air flow to each of the outlets until an even distribution of air is achieved in each room.

The standard method of air management is either the use of metal or blow-moulded fittings and damper bodies. The conventional damper bodies have a circular internal section called a 'scoop'. When the 'scoop' is moved by an external handle, the 'scoop' rotates more open or closed to increase or decrease the air flow. However, this damper is limited - once the scoop starts to impact on the airflow it creates a great deal of resistance very quickly, limiting the effectiveness.

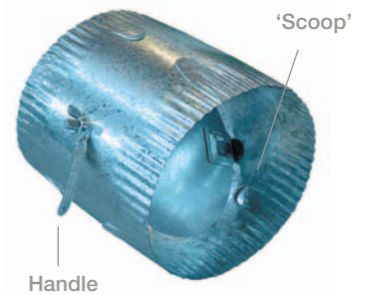
The scoop is also commonly fastened with a nut which can, over the life of the system, loosen due to air pressure and render the damper useless unless constantly adjusted.

What sets the Exact Air apart from the rest is the accuracy of the Opposed Blade Dampers, or OBD's. They are a linear balancing method that provides for more accurate airflow balancing.

They provide for proportional air control that conventional 'scoop' type damper blades are no match for.

They have 21 different locked positions that will not move over time, and can be used both manually and with any of our market-leading zone control motors.

**Conventional Damper Body**



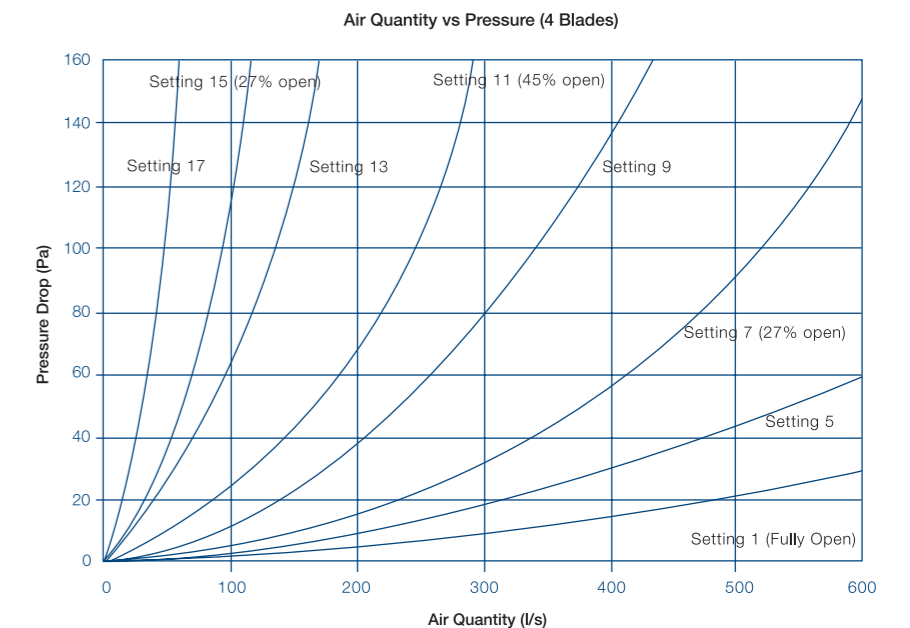
**Exact Air**



### The Exact Air, Advantage Air's Design Mark winning air management system.

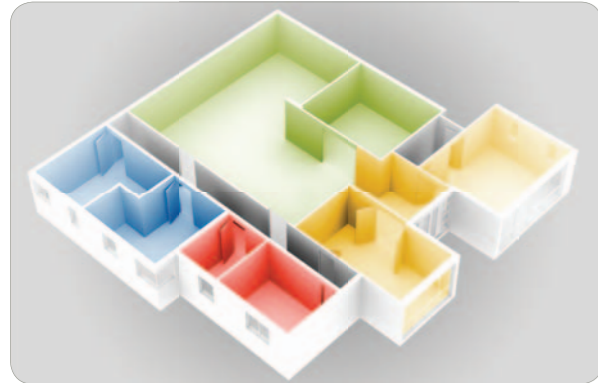


**Exact Air Opposed Blade Damper Performance**



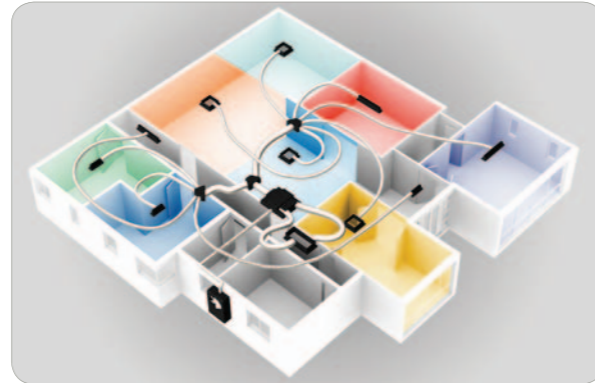
## Air-conditioning that reverses the cycle of wasted energy.

### Conventional Zone System

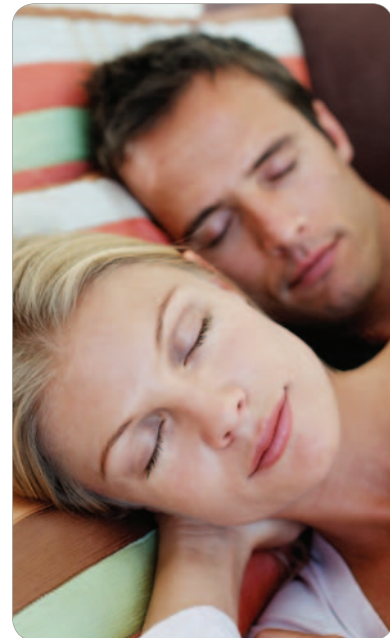


'Constant' systems have 4 zones and a constant 'dumping' zone (in green). These zones will group together rooms that will receive air whether they require them or not, and the dumping zone will always be on.

### Advantage Air's Zoning



Advantage Air's Zoning does not need a dumping zone as it allows control on a needs basis to each zone.



Ducted air-conditioning systems work by heating or cooling zones in the house to the desired temperature based on a single thermostat. This is usually placed in a central, living area within the home.

Conventional zone systems require a dumping zone - usually a large area (see the green area), where air is constantly dumped whenever the system is on. The dumping zone is needed in case all the other zones are closed accidentally.

With Advantage Air's Zone 10 and Zone Station, you do not need a wasteful dumping zone because Zone 10 and Zone Station senses how many zones are closed and then automatically opens a preselected zone(s) to release excess air only when needed.

What's more, Zone 10 allows control of 10 zones in its system - allowing you to effectively zone all the rooms in a standard home.



So if you don't want to pay to constantly air-condition your stairwell and want to control all the rooms in your house, choose Advantage Air's Zone 10.



### Conventional Zone Systems

The most basic form of zoning:

- An On/Off Switch to 'open' or 'close' a zone so that the air-conditioning is either on or off in a particular room,
- With this basic form of zone control, there must be a dumping area that is always open to prevent damage to your system, in the event that all zones are switched off. This means you will have to run the constant at all times of the day and night, even when air-conditioning to this area may not be needed.

### Zone Station

- A series of electronic default constants that serve to reduce energy wastage and allow for greater flexibility and capacity utilisation,
- Zone station eliminates the need for a dumping area,
- Capabilities for up to 6 zones to be electronically controlled using our proven damper system,
- Coupled with a series of electronic default constants built in to ensure that you can't close off too many zones. These clever constants are there to give you total control over your homes' air-conditioning, but also serve to reduce energy wastage.

### Advantage Air Zone 10 Systems

Zone 10 is the newest product in Advantage Air's zone control family:

- Capabilities for up to 10 zones to be electronically controlled using our proven damper system,
- Coupled with a series of electronic default constants built in to ensure that you can't close off too many zones. These clever constants are there to give you total control over your homes' air-conditioning, but also serve to reduce energy wastage,
- All of this controlled through a sharp, intuitive touch screen,
- 10 zones so that all rooms can be zoned.

## Duct

We don't just develop cutting edge control systems. Advantage Air has been manufacturing duct here in Australia for over 15 years. We know our duct works so well it is guaranteed for 10 years and made with a 'double fold' method which strengthens every length we make. We also have a range of duct to fit special situations - from 'Accoustiflex' noise dampening ductwork to high grade Dynaflex, we have it.



## Air Quality

### Industry Standard

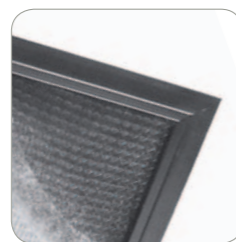


Single-Layer Filter

#### Ordinary Return Air Grille

Consists of a simple grille with a single layer filter that helps clean the air by collecting larger dust particles and lint. Deteriorates over time with washing.

### Advantage Air Standard



Multi-Layer Electrostatic Filter

#### Purtech Return Air Grille

The Purtech Return Air Grille is another example of Advantage Air leading the way in delivering quiet and efficient systems. The multi-layer electrostatic technology can produce up to 30% cleaner air. Plus, it's easy to remove and clean. While most filters lose their filtration after a few washes, cleaning does not reduce the effectiveness of the filtration of the Purtech filter which will continue to filter effectively for the life of your system.

### Advantage Air Options



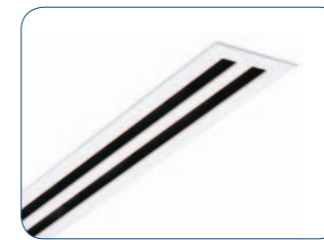
30% Cleaner Air  
Energy Saving Option

#### Clean-me L-E-D Warning Option

A discreet warning device lets you know when it's time to clean the filter. A dirty filter increases your power usage, and makes the system work harder causing unnecessary wear and tear.

For more on how air-conditioning works, visit our website at [www.advantageair.com.au](http://www.advantageair.com.au)

## Advantage Air Diffuser Options



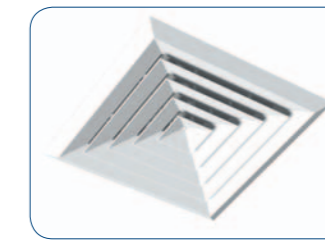
#### Linear Elite Diffuser

The cutting-edge, sophisticated design of the Linear Elite will enhance the interior of any home. They can be used in specific rooms whilst choosing a standard diffuser in other rooms.



#### Half StreamLine Grill

Specifically designed for small spaces, the Half StreamLine Grill provides an option for those awkward, hard to get to places.



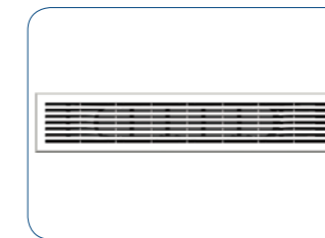
#### Silhouette Diffuser

Ensures whisper quiet cooling to all corners of the room, gently diffusing air across the room.



#### StreamLine Diffuser

The only diffuser available with adjustable blades that sit flush with the ceiling. Unique 7 point setting systems allows blades to be adjusted precisely to diffuse cool air across the ceiling or to direct warm air down into the room.



#### Small Linear Diffuser

A smaller compact version of the Linear Elite Diffuser that still delivers a big impact. On distributing air specifically to all corners of the chosen room with adjustable blades, it allows precise control of the distributed airflow.



#### Swivel Jet Diffuser

The Swivel Jet's 'full Swivel function' gives you greater directional airflow. Choose your own comfort setting with Swivel Jet's 'no fuss' adjustable damper. The attractive, low profile design is guaranteed to suit any decor, plus providing a very convenient control to ensure that the airflow direction can be changed to suit your changing room design and furniture layouts. The Swivel Jet is super quiet and has a 'removable centre' that ensures easy access for cleaning.

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## Peace of mind warranty

Our components are well known in the industry for their quality and precision as well as the extra features built in for additional strength and durability. To prove our confidence, Advantage Air provide a:

- 10 year warranty on all ducting componentary
- 5 year warranty on all air-conditioner unit and electronic controls

Guarantees only apply to accredited Advantage Air control systems and installations. Exclusion to warranty, 240v zone motors which are covered by a 1 year warranty.

These products form part of an air-conditioning system. If any part of the air-conditioning system is not designed, installed, commissioned, operated or maintained correctly these products may not work as intended.

## You're keeping quality company

Every Advantage Air product is designed in accordance with international standards, ISO 9002 / 9001, and given the well respected 'five tick' Quality Endorsement. In fact, quality is a way of life at Advantage Air. From the design of products, the selection of materials, to the commitment of the production teams and the thoroughness of the final quality checks, Advantage Air's policy of 'quality first' is evident throughout the company.



## Corporate responsibility

Advantage Air is involved in a community project based in Port Elizabeth, South Africa which provides refuge for abandoned babies. The centre can accommodate up to 10 babies, accepts babies up to one year old and looks after them for an average of 2 months before they are adopted and placed with foster parents.

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