

AIRSMART®

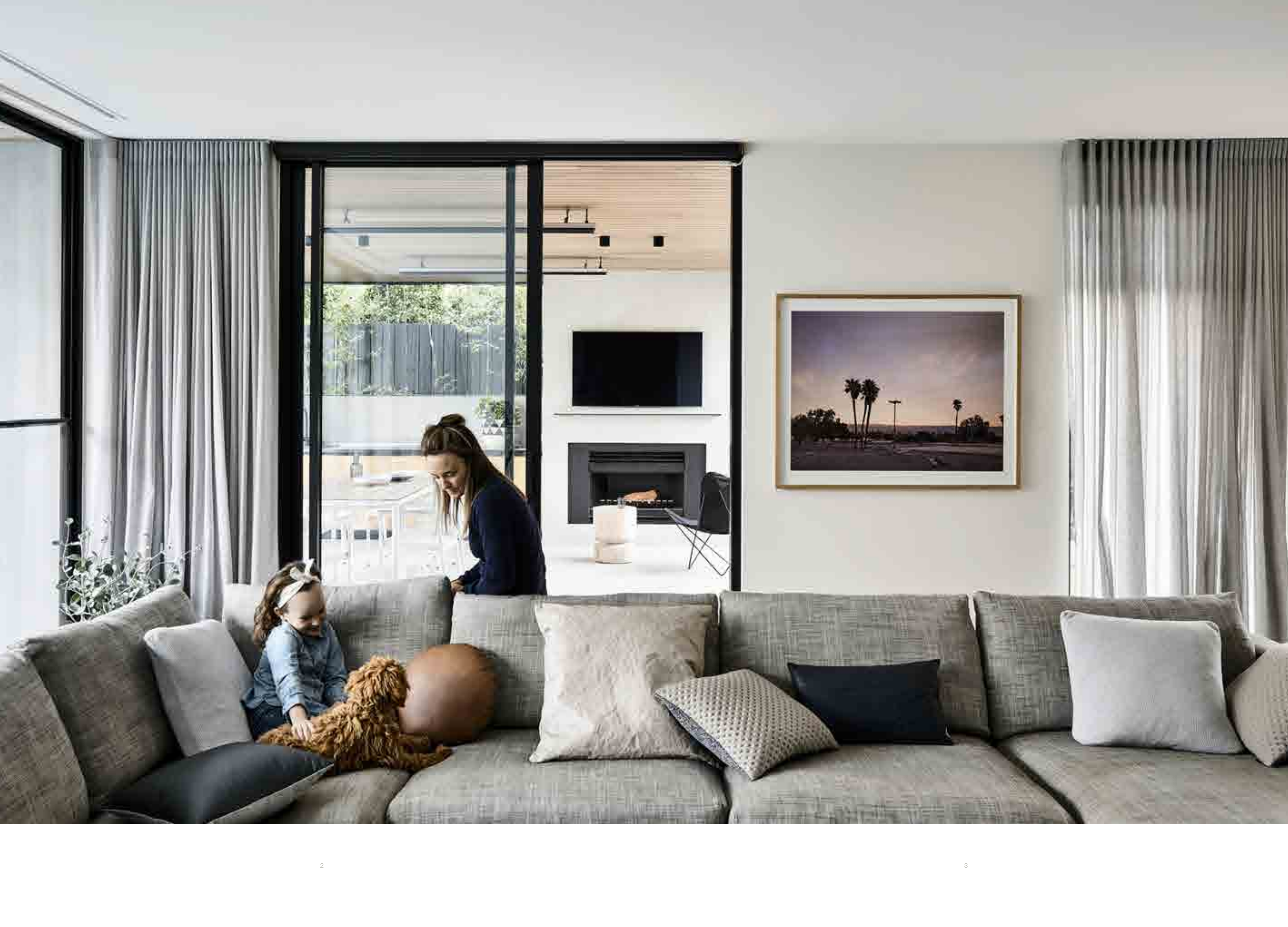
AIRSMART

**WE BELIEVE IN  
AIR THAT  
IMPROVES LIVES**

THAT'S WHY WE'VE  
CREATED THE WORLD'S  
FINEST INDOOR  
ENVIRONMENT SYSTEM  
THAT REDEFINES AIR  
PURIFICATION AND  
CLIMATE COMFORT

**Experience your home  
free from allergens and  
pollutants**

An Indoor Environment  
System that reaches  
beyond heating and cooling  
and actively delivers air  
so pure that every breath  
enriches the body, making  
your space healthier  
to inhabit.





AIR THAT  
IMPROVES LIVES

**CLEAN AIR  
PURE  
COMFORT**

THE BENEFITS

**UNSURPASSED  
AIR QUALITY**

**CLEANER  
HEALTHIER  
SPACES**

**ENHANCED  
WELLBEING**

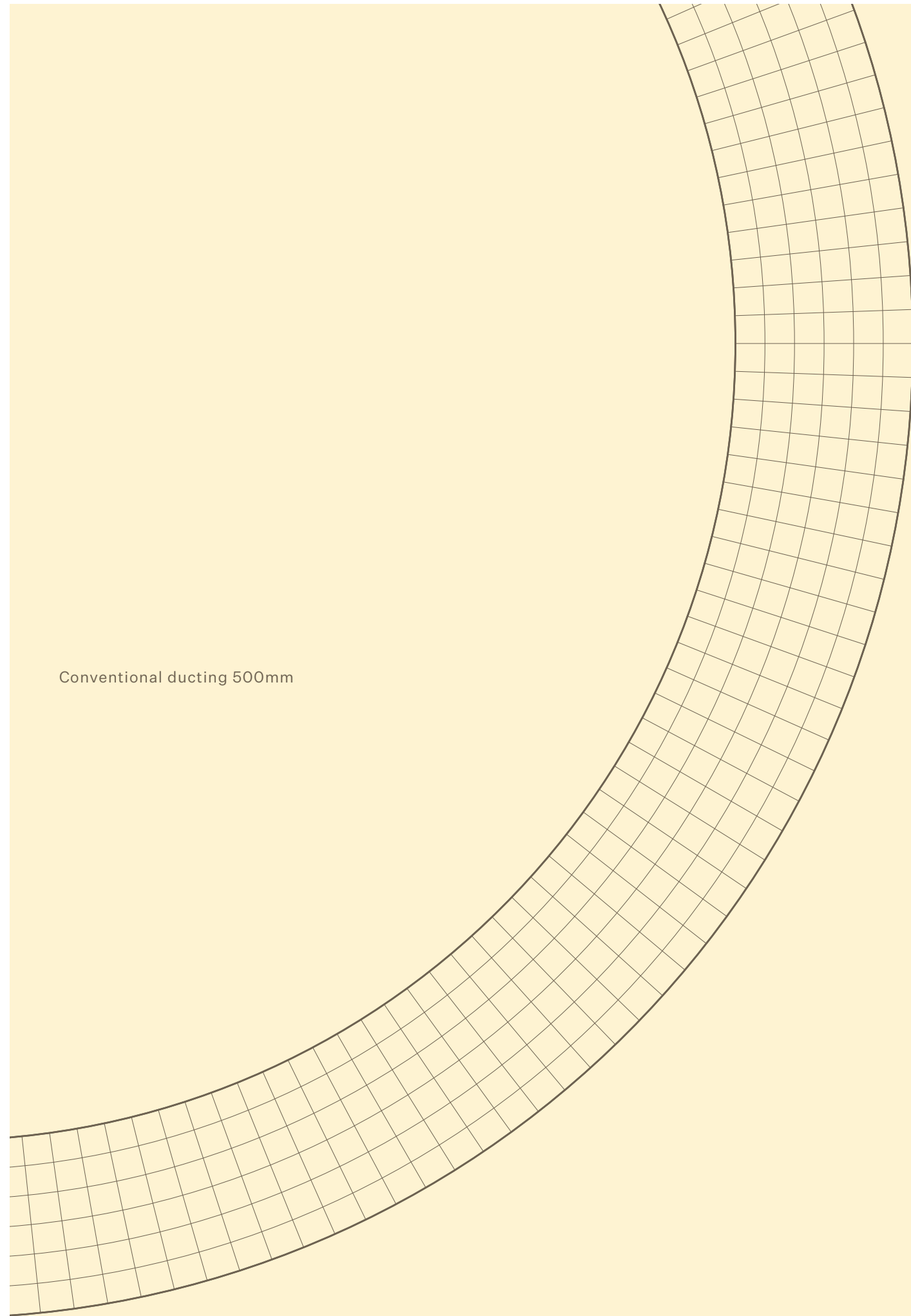




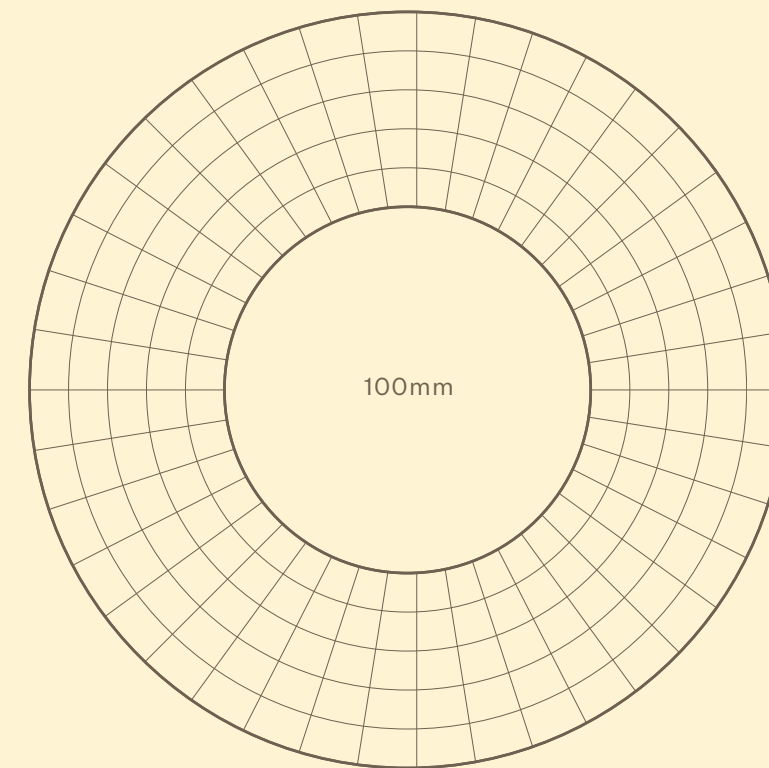
AN  
INTELLIGENT  
INDOOR  
ENVIRONMENT  
SYSTEM THAT  
ENHANCES ANY  
SPACE

**MORE THAN  
MEETS  
THE EYE**

Conventional ducting 500mm



AirSmart flexible duct

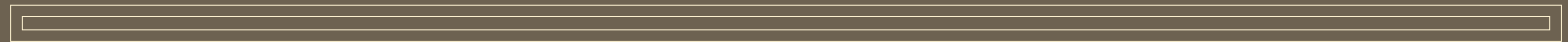


Our Smartflow ducts consume less space, so your design is uncompromised. Smartflow ducts start as small as 100mm in diameter, while conventional system ducts can be as wide as 500mm. Smaller ducts are also more energy efficient, are leak resistant, and help reduce running costs by up to 50%.

We understand the importance of ducting — it makes up 95% of the delivery network. We have solved many common heating and cooling problems, which means our Smartflow ducting is up to 300% more efficient than traditional systems.

FEEL MORE

SEE LESS



**Controllable zones**

With separate controllable zones, we've solved many of the inefficiency problems of conventional systems.

**Minimal grilles**

Our technology means no need for large, ugly air grilles. Architectural design remains undisturbed and lines are beautifully clean with AirSmart's compact round and linear grilles.

**The limitation is your imagination**

AirSmart grilles can be installed in floors, ceilings and between walls without compromising performance or aesthetic. We can match any décor with our compact, unobtrusive round and linear grilles.



**AIR DELIVERY  
FAN COIL UNIT**

1

HEATING AND  
COOLING CAPACITY  
RANGES BETWEEN  
5-38KW

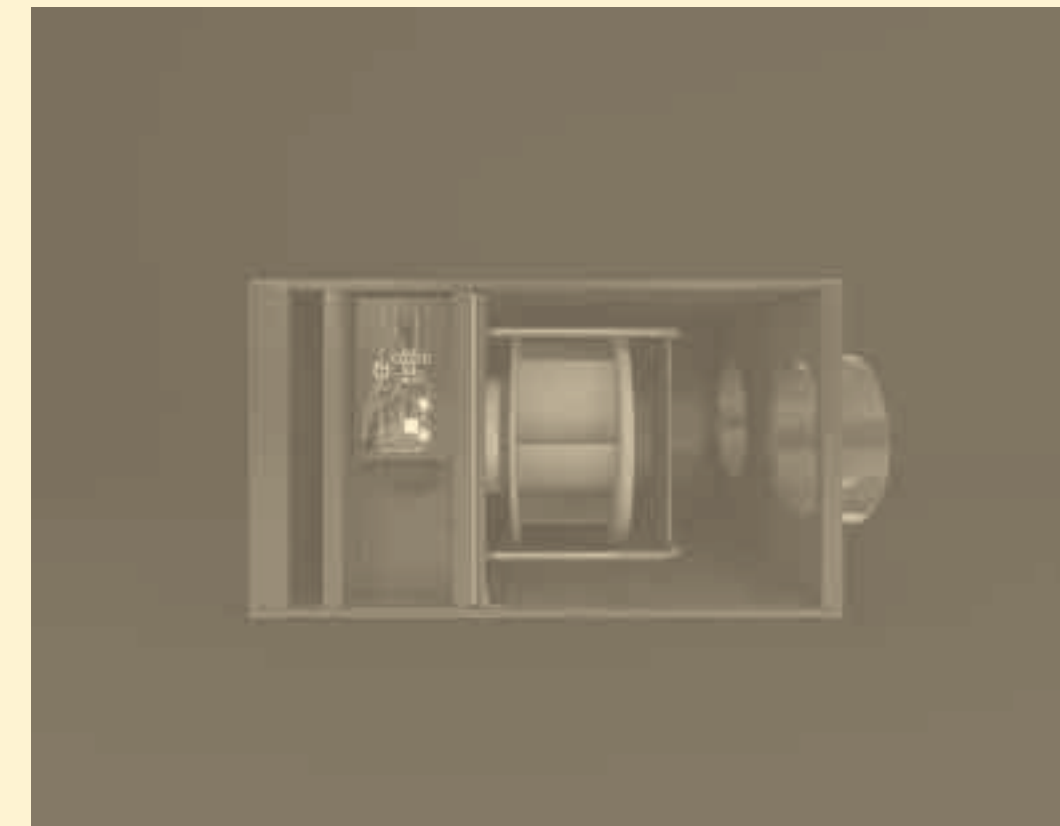
2

HORIZONTAL OR  
VERTICAL UNIT  
POSITIONS FOR  
EASY INTEGRATION

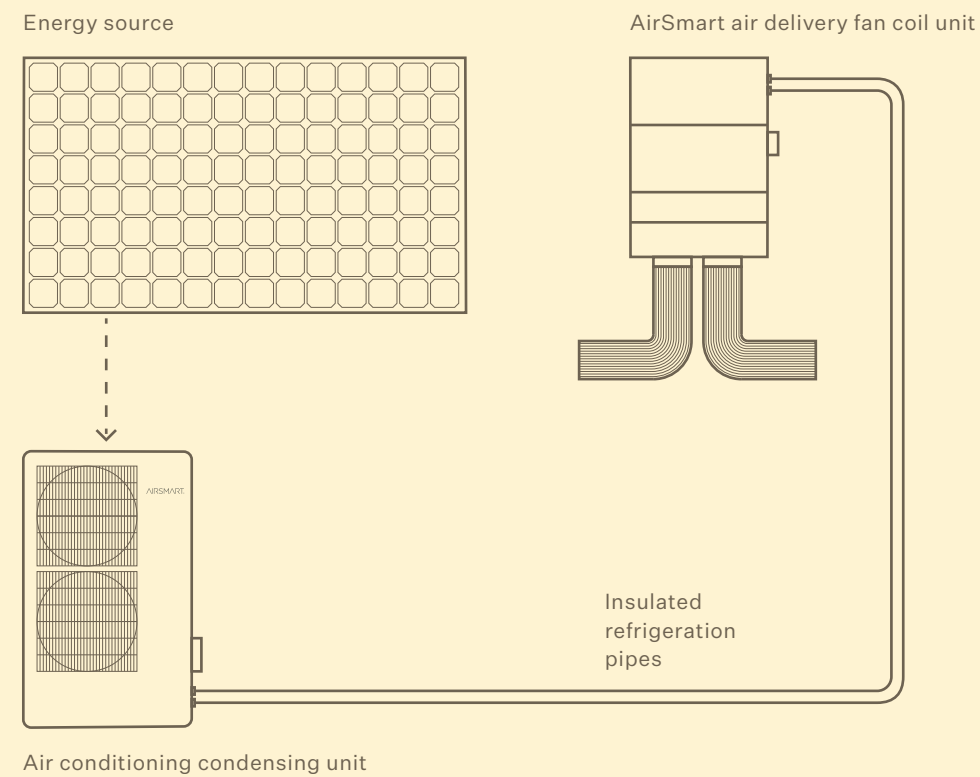
3

INDEPENDENTLY  
ADJUSTABLE  
SPEEDS FOR  
AIRFLOW, COOLING  
AND HEATING

COMPACT IN  
DESIGN TO EASILY  
INTEGRATE  
WITHIN ANY  
RESIDENTIAL OR  
COMMERCIAL  
SPACE

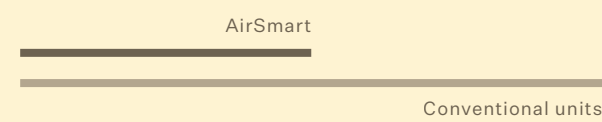


# TECHNOLOGY



Our technology is unparalleled in the market. AirSmart's indoor units are half the size of those offered by competitors because, unlike anyone else, we use more compact energy sources. Our IES save a vast amount of room, and are up to 50% more efficient than larger duct systems. AirSmart's Smartflow ducts can be as small as 100mm in diameter, while conventional system ducts can be as wide as 500mm. Smartflow is also up to 300% more efficient than larger ducting.

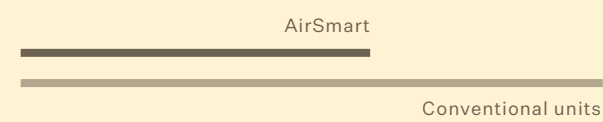
Our Indoor Environment System (IES) offers significant technological advances when compared to traditional ducted air conditioning systems. The IES utilises the Bernoulli principle and Venturi effect to continually mix the air, preventing hot and cold areas in the home or building. With other air systems that operate with less pressure, this effect does not occur effectively. The system also features advanced 3 stage air purification, meaning it heats, cools and purifies in one.



**50%**

**Reduction in operating cost**

Up to 50% reduction in operating costs with our smaller, efficient ducts.

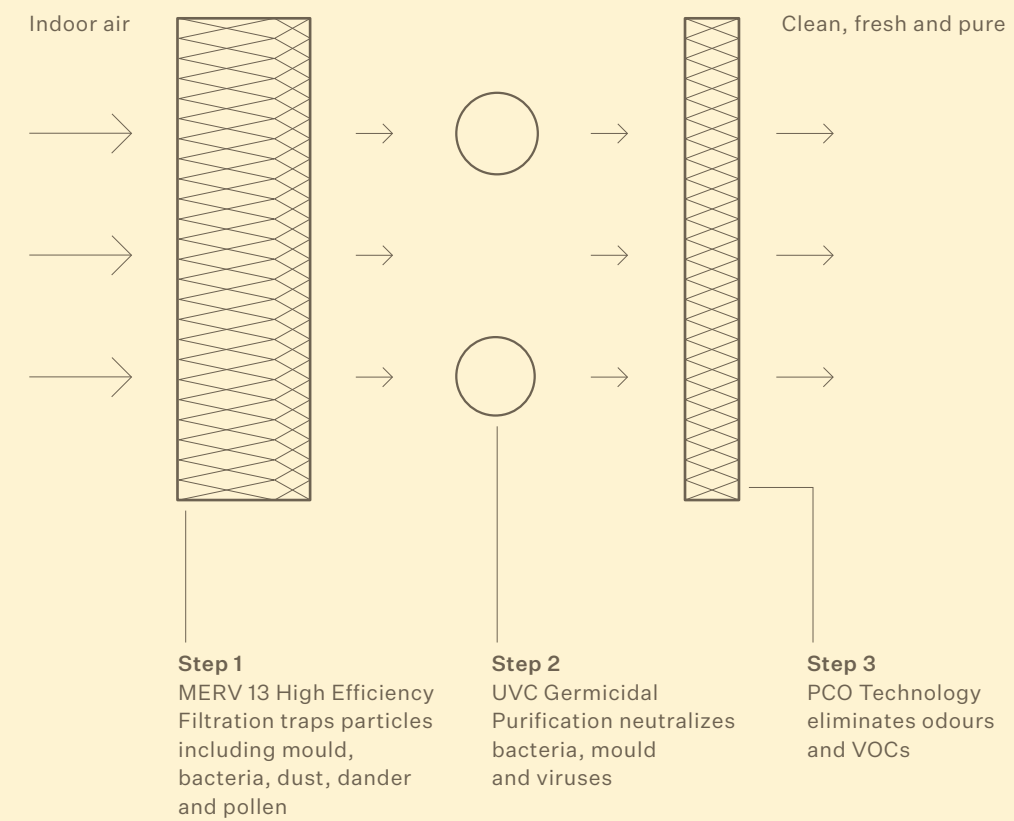


**40%**

**Reduction in airflow**

AirSmart's innovative design reduces airflow by 40% which eliminates drafts.

# AIR PURIFICATION



At AirSmart our culture of continuous innovation, evolution and design is changing the face of climate control, so it enhances the space you're in for the better.

With 11,000 litres of air breathed in each day, AirSmart's innovative system removes up to 97% of particulates, and up to 90% of chemical fumes and odours.

**97%**

**Reduction of particulates**

**90%**

**Reduction in chemical fumes and odours**



**NEVER  
COMPROMISE**

**WE BELIEVE IN  
AIR THAT  
IMPROVES LIVES**

That's why we've created the world's finest indoor environment system that redefines air purification and climate comfort. Experience living and work spaces free from allergens and pollutants. An Indoor Environment System that reaches beyond heating and cooling and actively delivers air so pure that every breath enriches the body, and every space is healthier to inhabit.

David Filipovic  
Director

APPLICATIONS

## SUITABLE FOR ALL HOMES AND BUILDINGS OLD AND NEW

### **New constructions**

We partner with architects to design systems that ensure maximum space, a cohesive aesthetic and absolute comfort.

### **Retrofit**

AirSmart systems can be adapted to almost any building, no matter the design or when it was built — all without the expensive structural alterations.

### **Multi-residential**

Space is of premium importance for high-density constructions. Our IES can condition all rooms with ceiling cavities as small as 100mm. The effect is not only human based but it also makes a positive economic impact.

### **Commercial**

Excellent air quality is vital in highly populated commercial spaces. It has the ability to increase concentration, productivity, reduce sick building syndrome and increase your buildings wellness rating. Our system produces hospital grade air quality; so retirement villages, schools, hospitals or office spaces can all breathe clean.

CONTROL

## THE TOUCH OF A BUTTON



### **Easy automation for complete comfort**

With separate controllable zones, you can have as many thermostat-controlled areas as desired, all operating off the one system. Set different temperatures throughout the home or building, or switch off entire areas to save energy and running costs. Our controls integrate with home automation, Wi-Fi enabled operating systems and can be set on timers for automatic operation.

# ENERGY SOURCES

1

## **Inverted air sourced reverse cycle**

AirSmart have designed a super efficient DC Inverter technology which delivers superior temperature control. A variable speed drive in the motor adjusts to match your air conditioning requirements. It is optimised to deliver your comfort quickly. It runs quiet and has been engineered to combat Australia's harsh environment with ratings of -15 to +50c for guaranteed comfort.

### **How it works**

Refrigerant in the heat exchanger absorbs heat from the outside air and evaporates. Vapour compresses, increasing pressure and vapour temperature. Hot vapour is condensed in the second heat exchanger where heat is rejected, delivering heat into the building via the duct network and air grilles. The liquid refrigerant then passes back through an expansion valve to start the cycle again.

2

## **Hydronic hot water heating**

Hydronic hot water heating is the most cost effective system when considering total cost of ownership. It provides the highest comfort level, whilst producing low emissions.

### **How it works**

The principle behind Hydronic heating is simple – water is heated in a boiler, and then circulated through a loop of pipes to deliver warmth into rooms. While the most commonly used set up is through our ducted fan coils, under floor heating pipes or radiators can also be added using a single boiler. For the system's cooling, we recommend an AirSmart condensing unit.

3

## **Air to water heat pumps**

Air to water heat pump systems integrate perfectly with AirSmart air delivery fan coil units, are compatible with floor heating and can be expanded to replace hot water services or even pool and spa energy sources.

### **How it works**

Air to water heat pump systems use water as the refrigerant. These systems best suit homes and small commercial operations, and can replace any existing heat system.

4

## **Geothermal**

Our IES fan coils are suitable for both water and refrigerant sourced geothermal systems, and can reduce energy bills by up to 75%.

### **How it works**

Environmentally friendly, geothermal energy is heat energy generated and stored in the Earth. Traditionally used since the Roman times to heat hot springs, now it is used to generate sustainable, cost effective electricity.





AIRSMART USER

## DAVID ROTH



BALANCE

**AIRSMART SYSTEMS  
STRIKE A RARE  
BALANCE BETWEEN  
BEAUTY AND  
COMFORT**

AIRSMART USER



DESIGN

**THE DESIGN INTEGRITY  
OF OUR HOME WAS  
NEVER COMPROMISED**

SIMPLICITY

**I APPRECIATE  
HOW EASY IT IS  
TO USE**





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WEBSITE  
[airsmart.com](http://airsmart.com)

