

NZ's home ventilation specialists



**SMARTVENT HOME VENTILATION SYSTEMS**  
with unique temperature and humidity sensing control

[www.smartvent.co.nz](http://www.smartvent.co.nz)

## Why ventilate?

Adequate ventilation will keep you and your home healthy by reducing excess moisture, condensation, stale air and its negative effects.

We can see condensation and mould, a direct result of excess moisture in the home. What isn't visible is the dampness and how this contributes to allergies and illness.

About 30% of NZ homes have problems associated with internal moisture, which is one of the reasons we have one of the highest rates of asthma and respiratory illness in the world\*.

\*Source - EECA (Energy Efficiency & Conservation Authority)

*The average NZ household produces around 100 litres per week\* of moisture in the home from everyday activities such as cooking, showering and breathing.*  
*\*EECA Energy Efficiency & Conservation Authority*

**SmartVent offers unique temperature & humidity sensor technology in both Positive Pressure & Energy Recovery systems.**



## Ventilation Methods

### Passive Ventilation

Ventilating a home by leaving windows or doors open, which is not always practical.

### Active Ventilation

The use of fans and ducting to introduce and circulate air through the home.

## Why choose a SmartVent System

SmartVent Positive systems use proprietary sensor control systems designed for New Zealand.

We use insulated and acoustic ducting and high quality F7 grade filters. These components of the system work hidden away in your ceiling space. All you will see is your smart controller, the unobtrusive diffusers and of course the results of your SmartVent system reducing condensation.



## The SmartVent Family

### SmartVent Positive

Two unique products designed to improve the air quality and comfort in your home.

A SmartVent Positive system draws in fresher, drier air from either the roof cavity, or outside with the optional Second Air Source kit. This air is filtered and then distributed into the home via ceiling diffusers to circulate & ventilate.

This process positively pressurises the home creating air movement and forcing out the moist, stale air that causes condensation, mould and mildew.

### SmartVent Synergy

A SmartVent Synergy system draws fresh drier air into your home while simultaneously extracting moisture-laden, stale air from inside your home. Because of the way it works it is referred to as a balanced system.

In addition to being a balanced system, Synergy is an energy recovery system that recovers and re-uses energy from the air extracted from the home.

Upgrade your Positive or Synergy system with Inline Heater, Heat Transfer and Second Air Source options.

**SmartVent Evolve is an advanced control system with temperature and humidity measurement as standard – a first for NZ**

## SmartVent Positive

### Digital and Evolve

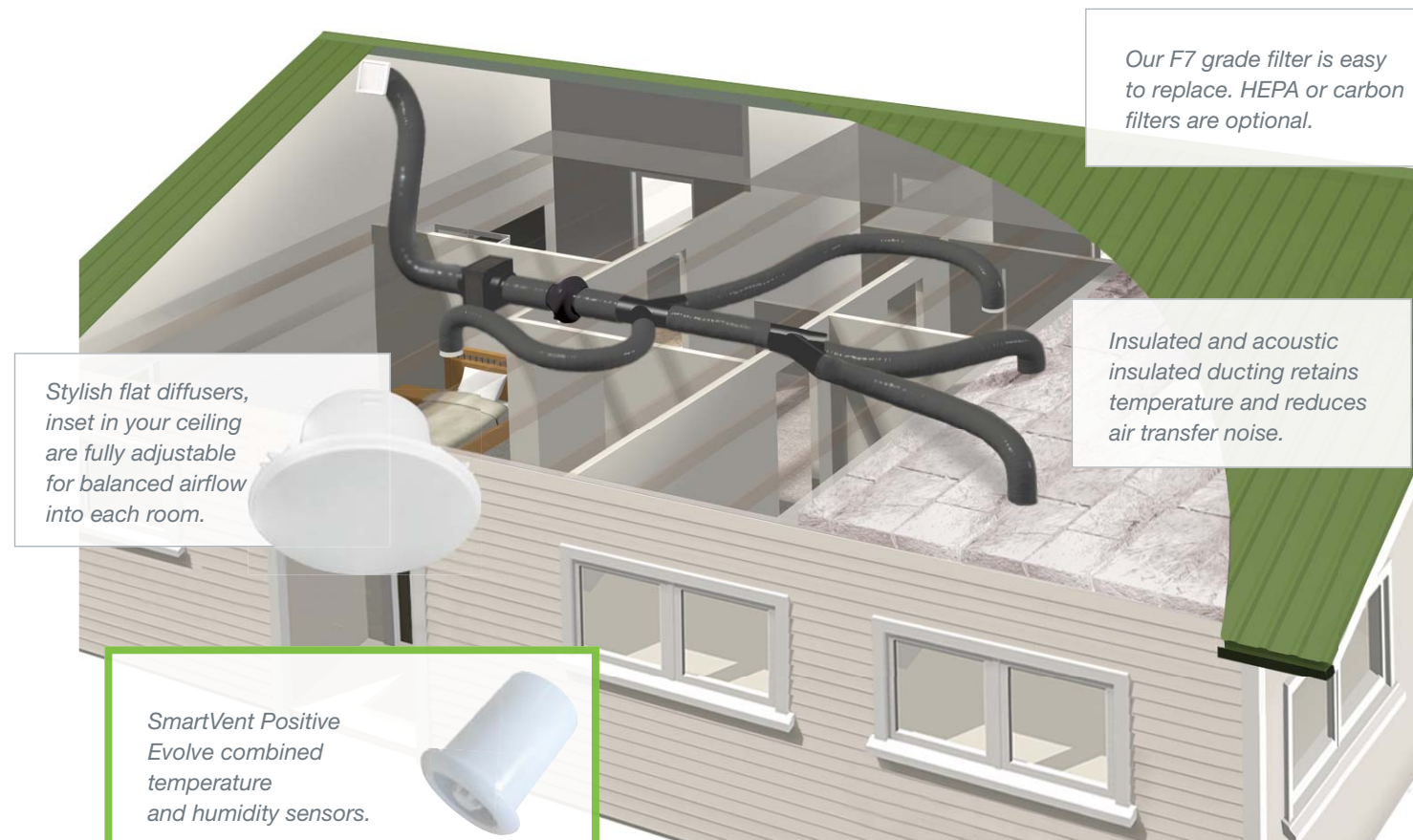
SmartVent Positive systems are available with either our intelligent SmartVent Evolve control system that uses unique temperature and humidity sensors, or our Digital Keypad with dual temperature sensors.

The sensor readings are used to determine the required ventilation level and air source (optional) to reduce condensation - for better air quality and comfort in your home.

For home sizes:

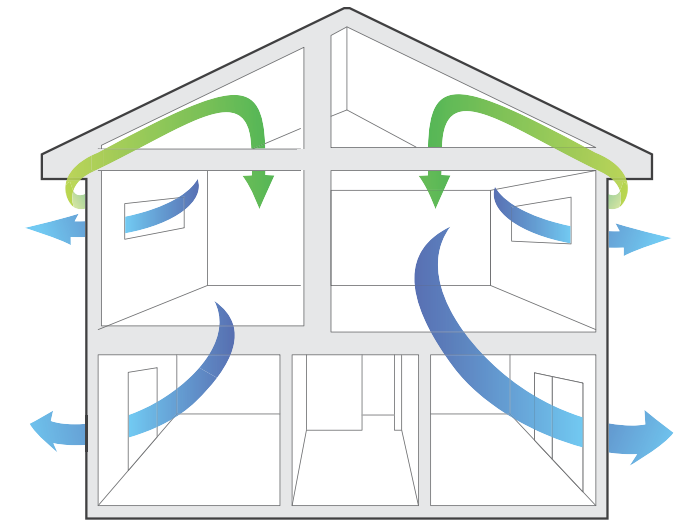
up to 70m <sup>2</sup>	up to 100m <sup>2</sup>	up to 280m <sup>2</sup>	up to 560m <sup>2</sup>
SV01C	SV02	SV04	SV06
1 Outlets	SV02E	SV04E	SV06E
	2 Outlets	4 Outlets	6 Outlets

'E' denotes Evolve controller systems. Systems can be expanded, please contact SmartVent.



### Positive – How it works

Positive pressure forces out the moist air that causes condensation, mould and mildew. Stale air is forced out through any gaps/openings - like windows or under doors.



**Outside Air** Filtered drier air drawn from ceiling or outside.

**Exhaust Air** Moist/stale air exits the home.

### Positive Evolve Control

Choose the unique SmartVent Evolve control system with temperature and humidity sensor technology and tablet based controller.

The Evolve control system is designed to deliver optimal ventilation and comfort as those conditions change in and around your home.



#### Evolve Dashboard

At a glance, see the conditions in your home & the status of your system. Evolve can use Boost mode, Eco Level and Dew Point monitor or the Scheduler to optimise both temperature and humidity levels in your home.



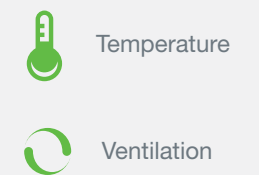
### Digital Controller

The SmartVent digital keypad controller has only a temperature sensor but also references a second temperature sensor in the ceiling to manage your ventilation system.








#### Positive Keypad

Simple to navigate and set, yet smart enough to handle a variety of clever upgrades available to adapt to your changing requirements. Set your operating temperature range, the controller does the rest.



### Positive Upgrades

 <p><b>Heat Transfer</b></p> <p>Draws excess heat from your heat source room and transfer, to take the chill off other rooms.</p>	 <p><b>Summer Feature</b></p> <p>For continued ventilation in warmer months, especially when ceiling space temperature exceeds that of the outside air.</p>	 <p><b>Tempering Heater</b></p> <p>System 1kW or 2kW, a tempering heater takes the chill off the air when temperatures in the roof space are cool.</p>	 <p><b>PTC Room Heater</b></p> <p>1.6kW or 2.4kW, a PTC Room Heater delivers a constant temperature to rapidly heat a room.</p>	 <p><b>Extension Kit</b></p> <p>The flexibility to extend your system to other rooms in the home by installing additional outlets to your SmartVent.</p>	 <p><b>Recycle Function</b></p> <p>Part of the Heat Transfer upgrade, choose for inside air to recirculate, when outside air is too cool or damp to bring in.</p>
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# SmartVent Synergy

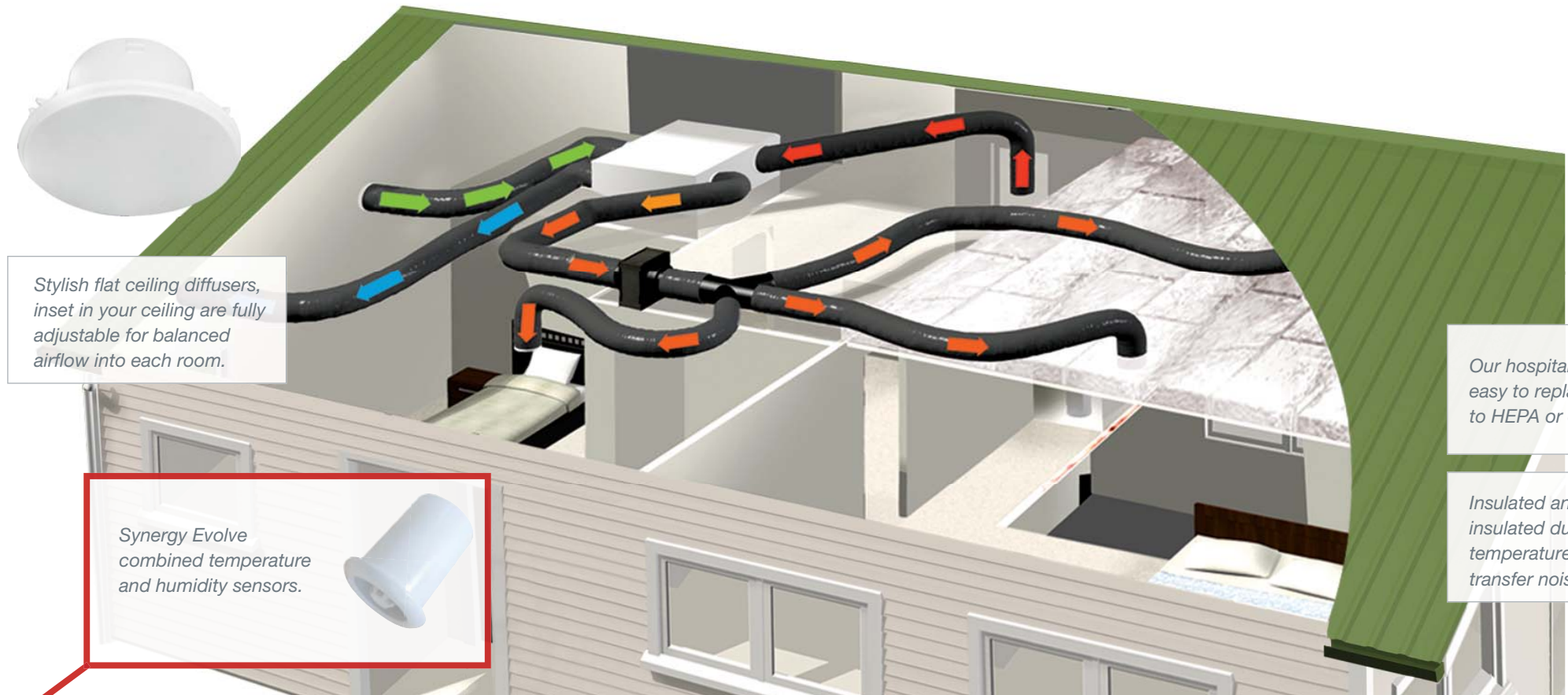
## Synergy Evolve

A completely balanced energy recovery system that extracts stale, damp air from inside your home and brings in fresher, drier air simultaneously. Specifically designed to recover energy that would otherwise be wasted & temper the incoming air for circulation.

Synergy in conjunction with your heating system provides a very effective and efficient ventilation solution.

For home sizes:			
up to 150m <sup>2</sup>	up to 250m <sup>2</sup>	up to 350m <sup>2</sup>	
SYN190E	SYN2025E	SYN3035E	SYN405*
SYN1015E			
3 Outlets	3 Outlets	3 Outlets	5 Outlets

Systems can be expanded, please contact SmartVent.  
\*SYN405 comes with a dedicated controller. Call us for details



Our hospital grade F7 filter is easy to replace and upgrade to HEPA or carbon options.

Insulated and acoustic insulated ducting retains temperature and reduces air transfer noise.

## Synergy Evolve Control

Synergy comes standard with the advanced Evolve control with temperature and humidity sensor technology. The Evolve control system is designed to deliver optimal ventilation as conditions change in and around your home.

Connect to your own smart device wirelessly or choose the optional tablet controller.

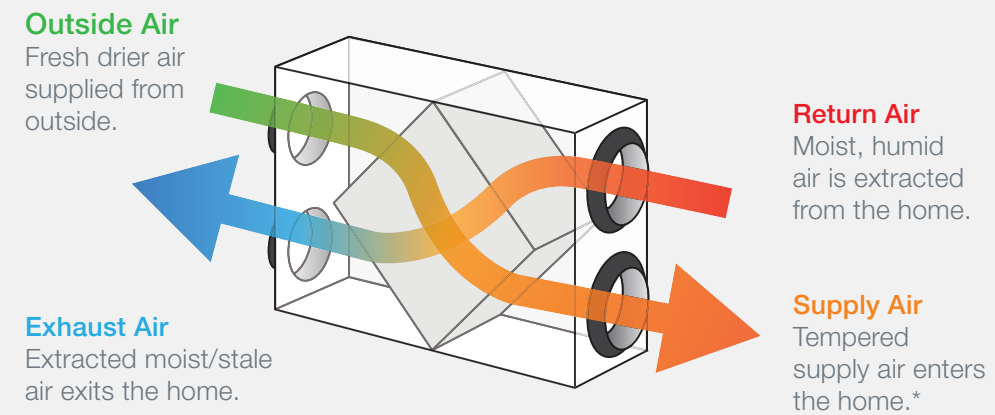


### Evolve Dashboard

The optional tablet uses simple, clear text to display the conditions in your home & the air changes taking place. Connect via your own device and view Function, Status and Data readings supplied from both temperature and humidity sensors.



## Synergy - how it works



\*The temperature of the air supplied is influenced by the temperature inside and outside the home.

**Synergy Evolve - the first and only energy recovery system in NZ with temperature and humidity sensor control**

## Synergy Upgrades

Digital controller only has Extension kit upgrade available.

<p><b>PTC Room Heater</b></p> <p>1.6kW or 2.4kW, a PTC Room Heater delivers a constant temperature to rapidly heat a room.</p>	<p><b>Tempering Heater</b></p> <p>1kW or 2kW, depending on system, a tempering heater takes the chill off the air when temperatures in the roof space are cool.</p>	<p><b>Extension Kit</b></p> <p>A SmartVent extension kit gives you the flexibility to extend your system by installing additional outlets or extracts.</p>	<p><b>Second Air Source</b></p> <p>Add the flexibility of drawing air from either the roof space and from outside.</p>	<p><b>Heat Transfer</b></p> <p>Draws excess heat from your heat source room and transfer, to take the chill off other rooms.</p>	<p><b>Core Bypass</b></p> <p>By pass heat recovery to draw air directly from outside*. *Upgrade for 190E. Built in for all other models.</p>
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# The Climate Experts

## Customer Service

SmartVent has a dedicated customer service team who can offer advice on a wide range of ventilation systems and options available for your home. Call our team to book a free in-home assessment.

## In-Home Consultation

A qualified SmartVent consultant can visit you to assess your ventilation needs and specify a SmartVent system designed to create a healthy, comfortable and energy efficient home for you and your family. Consultation is provided free of charge and without obligation.

## Planning Services

Building or renovating your home? Send in your house plans and our SmartVent technical team will recommend the optimum system layout for your home at no charge or obligation.

## SmartVent Accredited Installers

SmartVent Accredited installers are fully qualified electricians. Our knowledgeable SmartVent specialists will install your system to the highest standards, assuring a quality installation.

## 5 Year Warranty

All SmartVent systems are backed by a 5 year warranty (excludes filters and Evolve tablets).

## Industry Recognised



Certified Builders  
[www.certified.co.nz](http://www.certified.co.nz)



Climate Control  
Companies  
Association  
[www.ccca.org.nz](http://www.ccca.org.nz)



Future Proof Building  
[www.fpb.co.nz](http://www.fpb.co.nz)



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