

NZ's home ventilation specialists

SmartVent 



SMARTVENT HOME VENTILATION SYSTEMS

www.smartvent.co.nz

Become the
climate expert
in your home

Why ventilate?

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

We are all aware of visible 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**

Modern home design and lifestyles result in little or no ventilation. Active ventilation manages the health and comfort of your home by introducing regular fresh air changes.

Ventilation Methods

Passive Ventilation

The traditional method of ventilating a home by opening windows or doors, which is not always practical.

Active Ventilation

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

Why choose a SmartVent System

SmartVent Positive systems use proprietary control systems designed in New Zealand for New Zealand conditions by SmartVent.

We use insulated and acoustic ducting, which reduces air transfer noise and retains air temperature. So heat loss is minimised during cooler months, and coolness is retained during warmer months.

High quality F7 grade filters capture airborne particles such as dust, pollen and mould spores that can exacerbate asthma and other respiratory illnesses.

These components of the SmartVent system work away hidden in your ceiling space. All you will see is your smart controller and the unobtrusive diffuser, and of course the results of your SmartVent system reducing condensation.



Better air quality
& comfort in
your home



The SmartVent Family

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

SmartVent **Positive**

A SmartVent Positive system draws in fresher, drier air from either the roof cavity or outside (optional).

This air is then passed through a filter and introduced into the home.

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

Upgradeable to include Heat Transfer.

SmartVent **Synergy**

A SmartVent Synergy system draws fresh drier air into your home from outside while simultaneously extracting stale, moisture-laden 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.

For a complete whole home ducted ventilation system with energy-recovery, heating and cooling, ask us about SynergyPlus.

SmartVent Positive

Positive Evolve

SmartVent Positive systems are available with either our intelligent SmartVent Evolve control system that uses 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.

SmartVent Positive with the Evolve controller is the only system available in NZ that has temperature and humidity features recommended by EECA and Beacon Pathways research.

For home sizes:

up to 70m ²	up to 100m ²	up to 280m ²	up to 560m ²
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.



Evolve Control

Choose the advanced 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 conditions change in and around your home.



Auto Control

Evolve will work in to optimise both temperature and humidity levels in your home.

Dashboard

At a glance, see the conditions in and outside your home, the status of your system.

Scheduler

Take complete control of your system and set it to do what you want and when you want.

Features

Evolve comes with other beneficial features such as Boost mode, Eco level, and a Dew point monitor.



Wi-Fi



Humidity



Temperature



Ventilation

Positive Upgrades



Heat Transfer

Heat Transfer draws excess heat from your heat source room and circulates the air to other targeted areas of the house, taking the chill off other rooms.



Summer Feature

A summer feature upgrade gives you year round use of your SmartVent system and is highly recommended for ventilating the home during the warmer months.



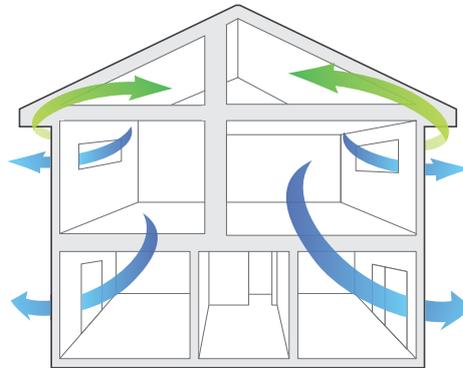
Our F7 grade filter is easy to replace. HEPA or carbon filters are optional.

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

Positive – How it works

Drawing fresher, drier air into your home creates a 'positive' pressure that forces out the moist, stale air that causes condensation, mould and mildew.

The air is forced out through gaps in your windows, doors and openings such as bathroom or kitchen extraction.



Outside Air

Fresh drier air drawn from outside.

Exhaust Air

Moist/stale air exits the home.

Digital Controller

Choose the digital keypad controller that incorporates a temperature sensor and also references a second temperature sensor in the ceiling to manage your ventilation system.

Simple to set yet smart enough to handle the variety of upgrades available to adapt to your changing requirements.



Automated

Set your operating temperature range, the controller does the rest.

Wall mounted

Keypad controller with LCD and keypad.

Sensors

2x Temperature sensors, one in wall panel and one in ceiling control box.

Features

Air source control (if Summer Feature and/or Heat Transfer Upgrade is installed).



Temperature



Ventilation



Tempering Heater

Available in 1kW or 2kW, depending on system. A tempering heater takes the chill off the air when temperatures in the roof space are cool.



Extension Kit

A SmartVent extension kit gives you the flexibility to extend your system to other rooms in the home by installing additional outlets to your SmartVent.



Recycle Function

Part of the Heat Transfer upgrade. In this mode you can choose the air to recirculate around the home, when outside air is too cool or damp to bring in.

SmartVent Synergy

SmartVent Synergy is a completely balanced home ventilation system that extracts stale, damp air from inside your home and brings in fresher, drier air simultaneously. It is specifically designed to recover what would otherwise be wasted energy from everyday activities and use this recovered energy to temper the incoming air.

The result is improved indoor air quality without sacrificing comfort.

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



For home sizes:

up to 150m ²	up to 250m ²	up to 350m ²	
SYN190E SYN1015E	SYN2025E	SYN3035E	SYN405PLUS*
3 Outlets	3 Outlets	3 Outlets	5 Outlets

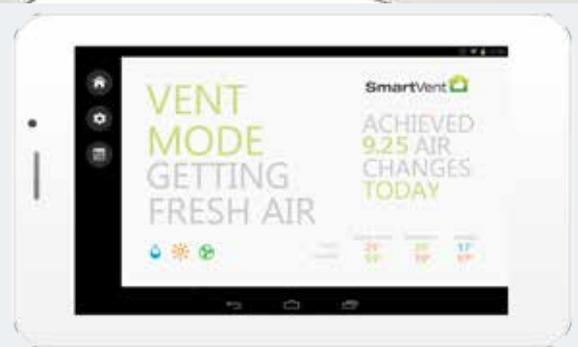
Systems can be expanded, please contact SmartVent.

*SYN405 PLUS comes with a dedicated controller. Call us for details

Evolve System

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

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



Auto Control

Evolve will work to optimise both temperature and humidity levels in your home.

Scheduler

Take complete control of your system and set it to do what you want and when you want.

Dashboard

At a glance, see the conditions in and outside your home and the status of your system.

Air Changes

Check how effectively your system is ventilating your home



Humidity



Fan Speed

Introducing

Warm / Cool Air



Wifi

Synergy Upgrades

Digital controller only has Extension kit upgrade available.



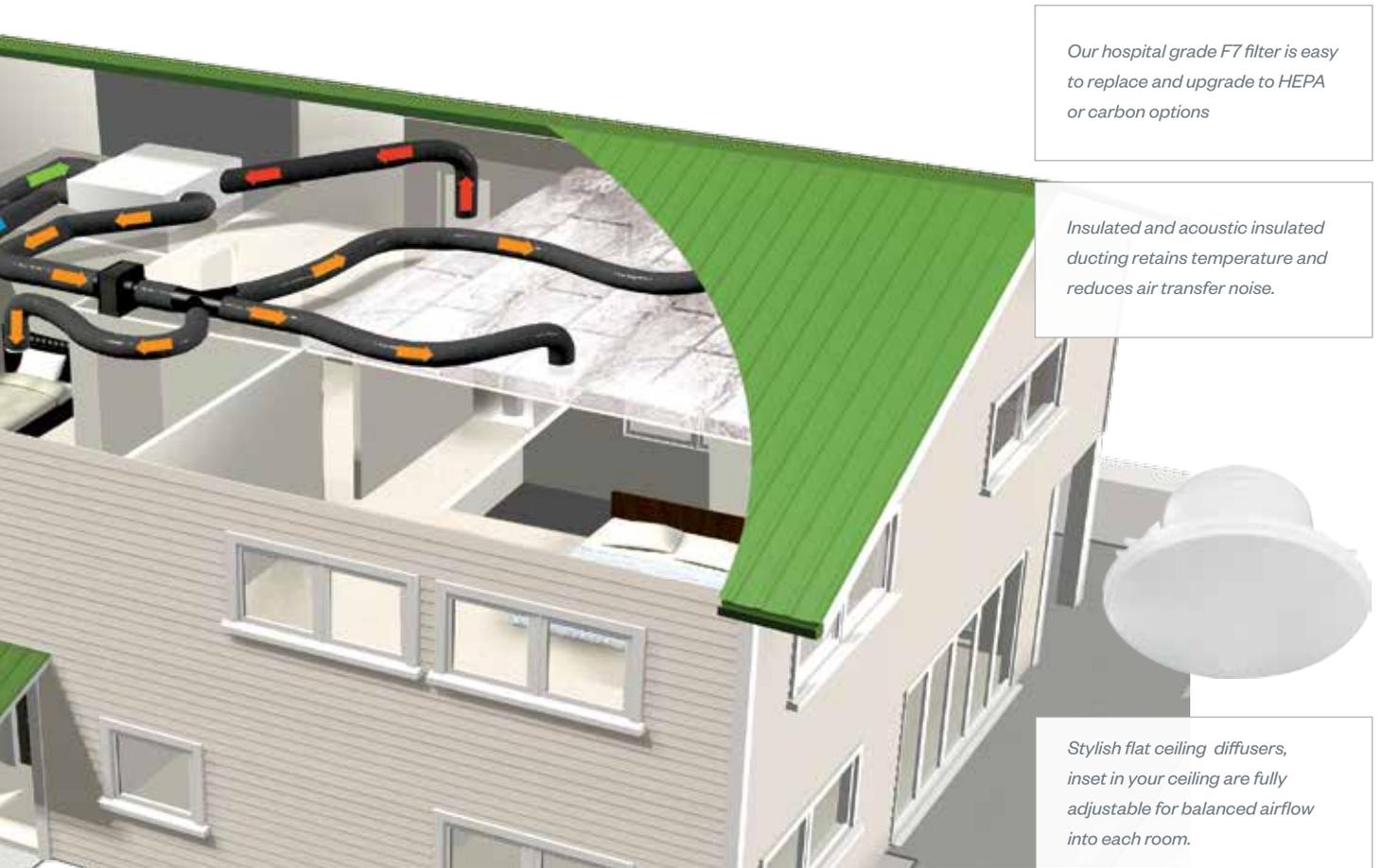
Tempering Heater

Available in 1kW or 2kW, depending on system. A tempering heater takes the chill off the air when temperatures in the roof space are cool.



Extension Kit

A SmartVent extension kit gives you the flexibility to extend your system by installing additional outlets or extracts.



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.

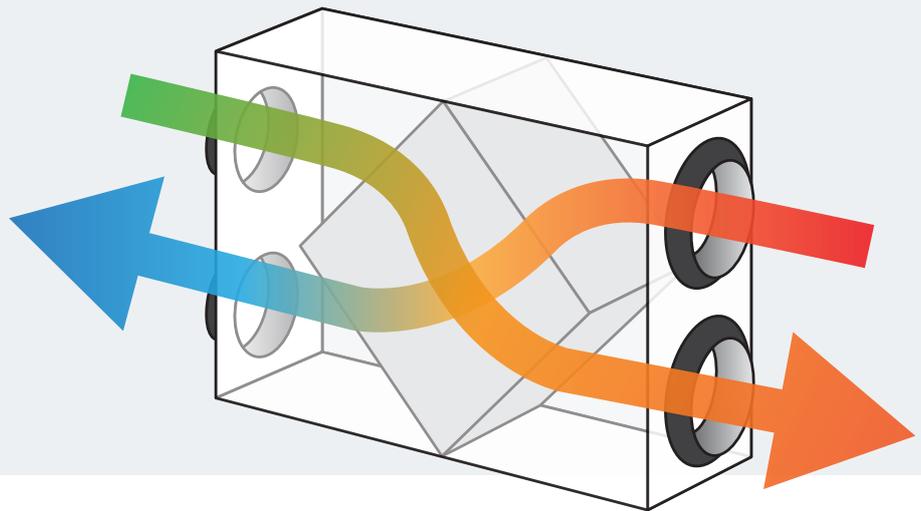
Stylish flat ceiling diffusers, inset in your ceiling are fully adjustable for balanced airflow into each room.

Synergy - how it works

Re-use energy from the air extracted from within your home. The heart of Synergy is the energy recovery core where the two airflows pass-by each other but never actually meet, and the energy from the extracted air is recovered.

Synergy continuously ventilates your home creating better air quality and comfort.

Synergy Evolve is the only system available in NZ that has temperature and humidity features recommended by EECA and Beacon Pathways research.



Outside Air

Fresh drier air supplied from outside.

Exhaust Air

Extracted moist/stale air exits the home.

Return Air

Moist, humid air is extracted from the home.

Supply Air

Tempered supply air enters the home.*

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

SmartVent Home Ventilation specialists offer everything you require to create a healthy, comfortable and energy efficient home.

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



Climate Control
Companies Association

**Climate Control
Companies
Association**
www.ccca.org.nz



Future Proof Building
www.fpb.co.nz

SmartVent

For more information call us on **0800 140 150**



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