

PRO•SERIES

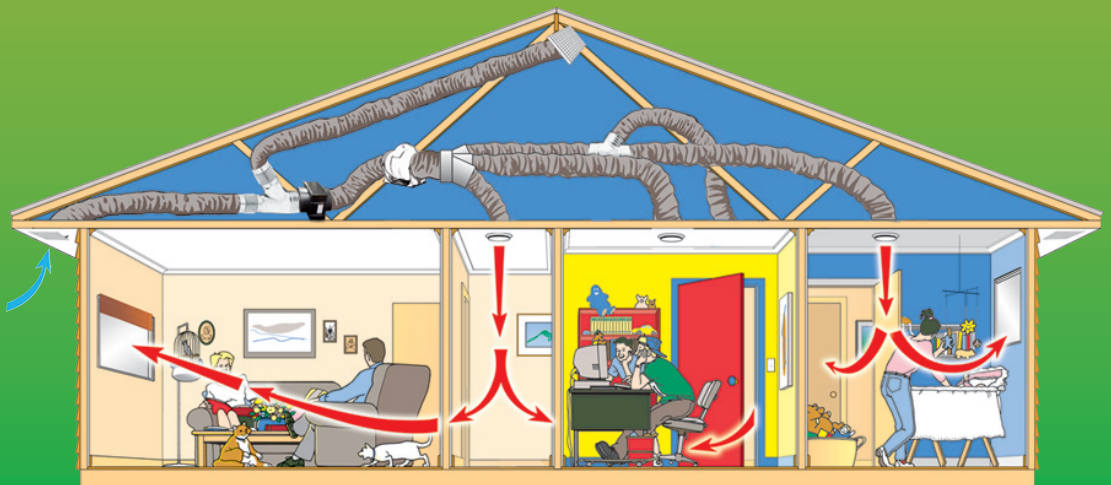
STAMP OF APPROVAL



The SMART Solution in Home Ventilation

SMART•VENT

Home Ventilation Systems



Scavina

PRO SERIES
STAMP OF APPROVAL



SMART-VENT

Stylish, digital Smart-Vent controller provides automatic control of your family's living environment

With an easy to follow menu you can simply relax while your Smart-Vent system is hard at work providing a healthy comfortable living environment for you and your family.

- *Key system settings displayed in summary screens*
- *Customisation of the system to individual preferences*
- *"Future-Proof" ability built in*
- *Maximum and minimum temperature range adjustable between 0 and 35°C*
- *Three heater settings available including a Timer mode, whereby one or two time periods can be set during which the heater will operate*
- *System calculates and displays the % of the filter used*
- *An LED flashes when the filter needs replacing*
- *Customer Service menu option*
- *Child lock facility*
- *Standard switch plate profile*



**Offering the
Ultimate in
Home Ventilation
Control**



The SMART Solution in Home Ventilation...

Greatly reduce condensation, mould, mildew and other airborne contaminants

Recover otherwise wasted heat and drier air from the roof space

Provide a clean healthy living environment in your home

Drive moisture and contaminants out

Introduce clean fresh air whilst maintaining the security of your home

Continue to provide fresh cool air during the summer months and on hot days during Autumn/Winter/Spring

www.smartvent.co.nz

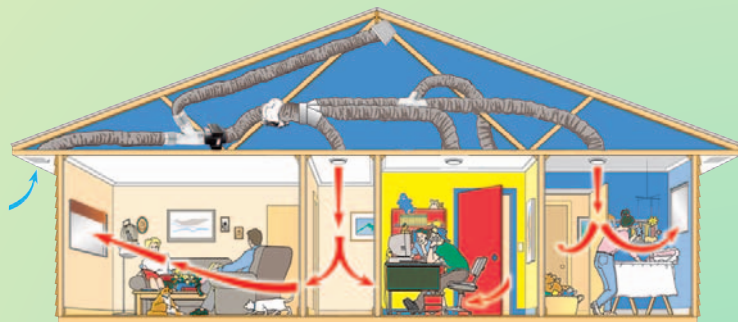
Why do I need a Home Ventilation System?

Condensation, mould, mildew growth and dust mites are proving to be a major issue in New Zealand households. The resulting health problems such as asthma and allergies are subsequently causing people great concern. Did you know that dust mites need a damp environment to proliferate?

Increasingly we find that modern homes are well insulated but very poorly ventilated. We all know that humans need fresh-air for a healthy existence, however, people's current concerns with security issues and energy efficiency can result in the home being closed up like a sealed box! As a result, the moisture generated from every day activities around the home can cause a detrimental build-up of moisture in the very fabric of the home.

These issues are compounded in

moisture better than cool air, so humidity will build up. When this warm humid air contacts a cooler surface such as the glass in a window, condensation occurs. This can be mild; a 'steaming-up' effect, or it can be severe; moisture 'running down' the glass forming puddles on the window sill.



A 'Smart-Vent' system lets you ventilate your house 24hrs per day. Smart-Vent encompasses 'heat recovery', utilising available warm air from the sunny side of your roof space. Smart-Vent passes the ventilation air through a high grade filter before being gently distributed around the home via diffusers set in the ceiling at strategic points. This continuous circulation of fresh drier air creates a positive pressure in the home thus pushing the damp stale air out of the home.

It should be noted specific extraction systems still need to be employed within areas of high moisture generation such as bathrooms, en-suites, laundries and kitchens.

Moisture Generation within the Home:	
Cooking	3 litres/day
Clothes Washing	0.5 litres/day
Clothes drying	5 litres/day
Showers & Baths	1.5 litres/day
Dishes	1 litres/day
Breathing - sleeping person	0.5 litres/day
Breathing - active person	4.8 litres/day

On-going condensation leads to the peeling of wallpaper, unsightly mould growth and the perfect conditions for dust mites to breed.

These problems can be greatly reduced by improving the ventilation within the

the winter. Generally in the winter, we tend to keep our houses sealed up in order to retain heat that we have paid to generate and to keep the cold air out. Warm air retains

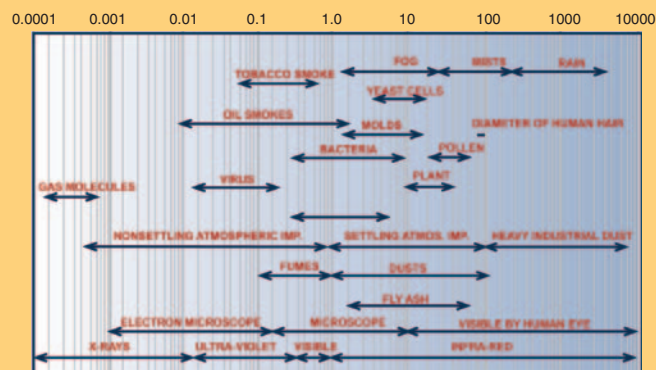
home. In the past a limited solution has been to open a window. However, this leaves your home unsecure and it will not provide effective ventilation.

Filter Classification

The filter is the main component of a ventilation system which contributes towards a better indoor environment. Everyday on average we breathe 20-30kg of air and so it is essential to filter atmospheric particles that can adversely affect our health.

G4 grade sock filter: over its life, the filter will as an average have a 90% average arrestance of particles of 5 microns in size and above.

High quality F7 grade induct filters: over its life, the filter will as an average have an 80-90% efficiency on particles 0.4 microns in size and above.



Relative Size Chart of Common Air Contaminants (shown in micrometres)

Select Your Smart-Vent System

Selection Steps: it's as easy as 1,2,3...

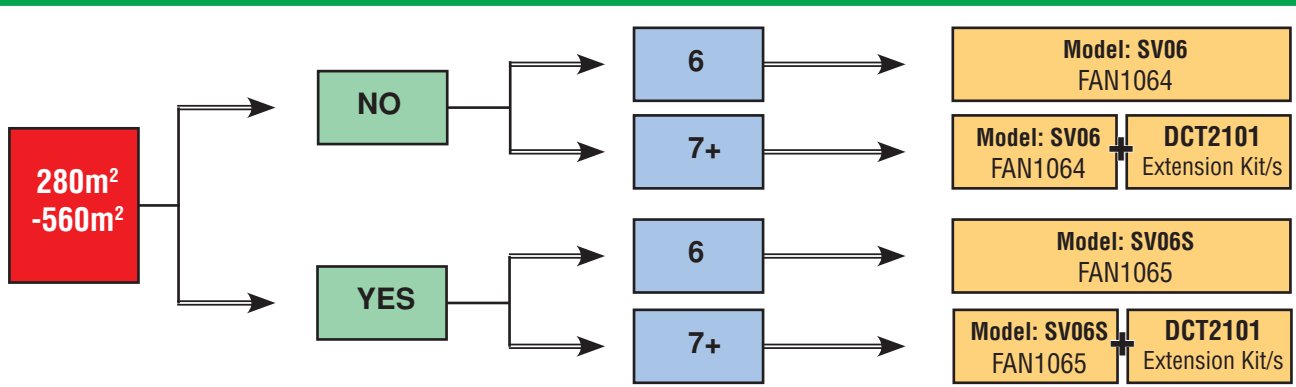
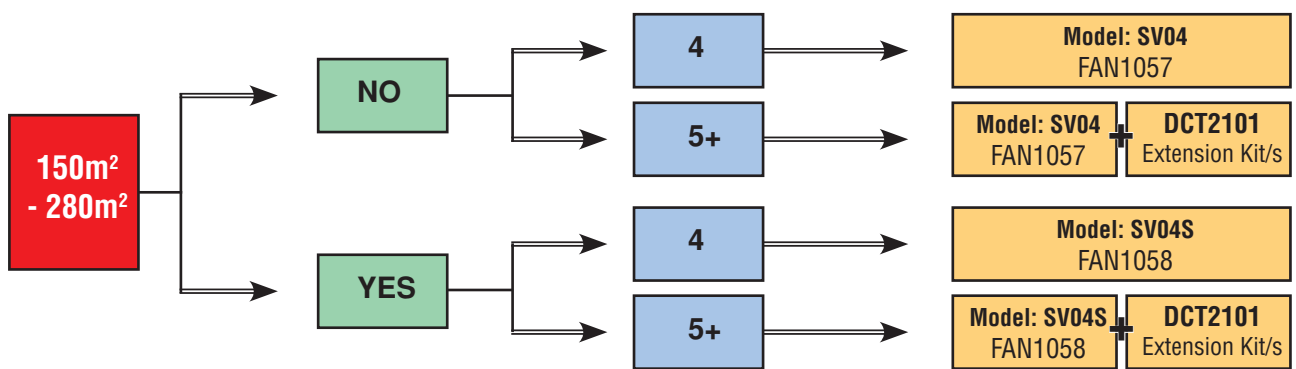
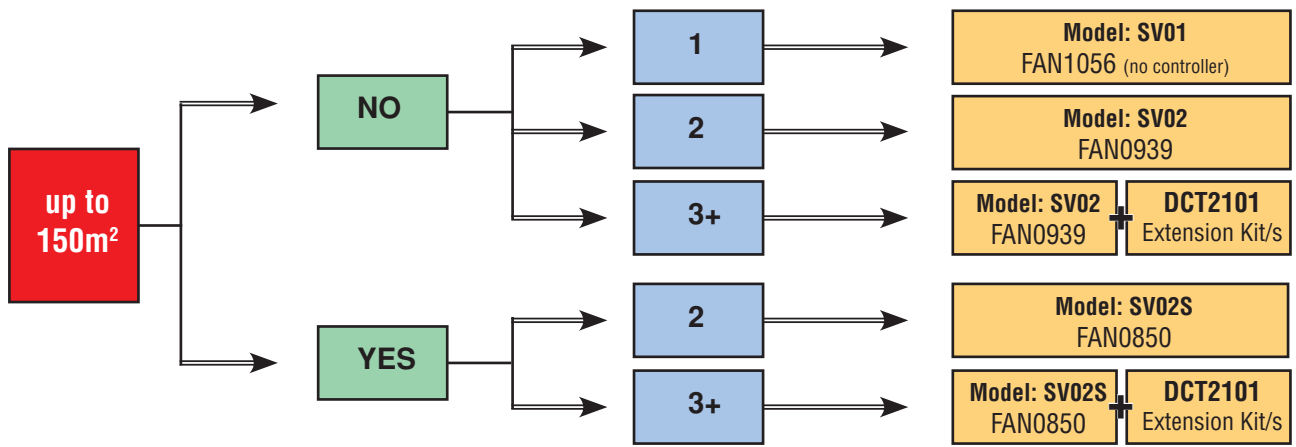
1 What is the square metre size of your home?

2 Would you like the Summer function included?

3 How many rooms do you wish to distribute to?

Recommended Smart-Vent System

We recommend distributing air to your living areas and your bedrooms



A 1Kw heater can be added to any system to warm the incoming air in the winter.

For SV02 & SV02S use DCT1226 (includes 1 x 1KW 150mm Heater)
 For SV04 & SV04S use DCT1483 (includes 1 x 1KW 200mm Heater)
 For SV06 & SV06S use DCT1491 (includes 2 x 1KW 200mm Heaters)

Please Note:

- The Smart-Vent systems have been developed based on the recommended air movement for these types of systems, and by adding additional outlets to your system you are simply dividing the available air amongst more rooms
- Extra duct may be required depending on the layout of your home
- This flowchart assumes that there is sufficient ceiling space to install all componentry
- For homes larger than 560m² please contact Securimax for technical advice
- For two storey homes we recommend running the duct down inside a cupboard to the lower level diffuser/s
- The Smart-Vent System is not intended to be and is no substitute for an effective heating system in the home

Smart-Vent System Features

User-friendly Digital Control panel*

The Smart-Vent System now comes complete with an aesthetically pleasing digital control panel. This offers the consumer digital temperature readings, as well as key system settings in easy to follow summary screens. The menu options available are displayed in an easy to follow structure, then you can relax as the system automatically adjusts to your requirements. The display will let you know when the system has automatically switched to summer mode or the temperature has reduced and the system has changed to low speed. If you have purchased the optional heater, this will let you know the heater has switched on. The Smart-Vent technology allows you to customise the system to your requirements with several timer functions for the heater (if installed), a convenient child lock feature to prevent meddling fingers adjusting your preferred settings and a flashing LED indicator which informs you when the filter needs replacing.

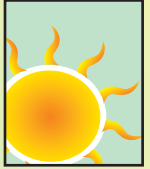
*excluding the SV01 model which does not include any control panel



Condensation, mould and mildew are now a thing of the past!

Automatic Summer/Winter Control

Three Smart-Vent Systems have an automatic temperature control to switch it over to summer mode (SV02S, SV04S & SV06S). When the temperature in your roof cavity reaches a pre-set temperature, for example 30°C, the system will automatically switch to summer mode, drawing cool air from the outside rather than the warm air from your roof space. Hot muggy evenings will no longer keep you awake as cooler fresh air is continuously distributed gently around your home. When the temperature in your ceiling space drops below a pre-set temperature, for example 5°C these Smart-Vent Systems will automatically switch to low speed, to limit the cold air brought into the house.



High Efficiency Dust Filters

Our homes are full of potentially harmful particles that we inhale everyday. These include household dust, moulds, fungi, pollen and vapour residue. We can greatly reduce these by introducing filtered air throughout the home. The two smaller Smart-Vent Systems include a G4 sock filter, while the other models include a high quality F7 filter that captures 80-90% of pollens, dusts and allergens from the air, making it cleaner and safer to breathe. A high quality F7 filter is a must for families with asthma and allergy sufferers (see filter classifications).



Optional heater upgrade

If you wish to warm the incoming air that your Smart-Vent system is distributing around your home, a heater kit can be purchased to work during those cold winter months. The 1kW heater will automatically switch on when the air temperature in your roof cavity drops below your chosen pre-set level. It will warm the filtered air before distributing it around your home. You can continue to ventilate your home in winter without opening the windows to the frosty air. There are also several timer functions to allow the user to customise the heater operation to suit their lifestyle. The required heater kit depends on your Smart-Vent:
DCT1226 - includes 1 x 150mm heater for SV02 & SV02S.
DCT1483 - includes 1 x 200mm heater for SV04 & SV04S.
DCT1491- includes 2 x 200mm heaters for SV06 & SV06S.



Whisper Quiet Acoustic Insulated Duct

All Smart-Vent systems include our high quality acoustic duct which reduces system noise to a whisper.



High Performance Fan

High quality, high performance fans are used throughout the Smart-Vent systems to ensure an adequate airflow is provided into the home at all times.



Pro Series Extension Kit

The Pro-Series Extension Kit allows you to add additional outlet/s to any of the Smart-Vent systems. Please note that by adding additional outlets to your system you are simply dividing the available air amongst more rooms. Order Code: DCT2101



Adjustable Diffusers to Balance Airflow

The Smart-Vent Systems include adjustable circular diffusers to balance the system, ensuring the correct amount of ventilation is introduced into each room. Depending on the system chosen, you can either have the diffuser/s distributing air to the centre of your home, or have a diffuser in each living area and bedroom.



Very Economical to Run

The most common model (SV04S, 4 outlet system) will **cost as little as 15c per day** to run. This calculation is based on a \$0.14 per kilowatt/hour electricity cost and is subject to consumer settings and duty ratio.

5 Year Warranty

Provided all recommended maintenance is performed.



SV01 -1 OUTLET HOME VENTILATION SYSTEM

Order Code: FAN1056

150mm Two Speed Fan
150mm x 3m Acoustic Insulated ducting
1x G4 Sock Filter and Frame

1x Adjustable Diffuser
1x Ceiling Control Box
1x 150mm Eggcrate Grille
Fittings and Fixings (excluding wall switch)



SV02 -2 OUTLET HOME VENTILATION SYSTEM

Order Code: FAN0939

Smart-Vent Digital Controller
150mm Two Speed Fan
2x 150mm x 3m Acoustic Insulated Duct
1x 150mm x 3m Unilok Ducting
1x G4 Sock Filter and Frame

1x 150mm Y Branch
2x Adjustable Ceiling Diffusers
1x Ceiling Control Box
1x 150mm Eggcrate Grille
Fittings and Fixings Included



SV02S -2 OUTLET SUMMER HOME VENTILATION SYSTEM

Order Code: FAN0850

Smart-Vent Digital Controller
150mm Two Speed Fan
2x 150mm x 3m Acoustic Insulated Duct
2x 150mm x 3m Unilok Ducting
1x 150mm x 6m Unilok Ducting
1x F7 Filter Box

1x 150mm Y Branch
1x 150mm Damper Assembly
2x Adjustable Ceiling Diffusers
1x Ceiling Control Box
3x 150mm Eggcrate Grille
Fittings and Fixings Included



SV04 -4 OUTLET HOME VENTILATION SYSTEM

Order Code: FAN1057

Smart-Vent Digital Controller
200mm Three Speed Fan
4x 150mm x 3m Acoustic Insulated Duct
2x 200mm x 3m Unilok Ducting
1x F7 Filter Box
1x DBTO 200-150-150-150

1x 150mm Y Branch
4x Adjustable Ceiling Diffusers
1x Ceiling Control Box
1x 200mm Fixed Grille
1x 150mm Eggcrate Grille
Fittings and Fixings Included



SV04S -4 OUTLET SUMMER HOME VENTILATION SYSTEM

Order Code: FAN1058

Smart-Vent Digital Controller
200mm Three Speed Fan
4x 150mm x 3m Acoustic Insulated Duct
2x 200mm x 3m Unilok Ducting
1x 200mm x 6m Unilok Ducting
1x F7 Filter Box
1x DBTO 200-150-150-150

1x 150mm Y Branch
1x 200mm Damper Assembly
4x Adjustable Ceiling Diffusers
1x Ceiling Control Box
2x 200mm Fixed Grille
1x 150mm Eggcrate Grille
Fittings and Fixings Included



SV06 -6 OUTLET HOME VENTILATION SYSTEM

Order Code: FAN1064

Smart-Vent Digital Controller
2x 200mm Three Speed Fan
6x 150mm x 3m Acoustic Insulated Duct
3x 200mm x 3m Unilok Ducting
2x F7 Filter Box

2x DBTO 200-150-150-150
6x Adjustable Ceiling Diffusers
1x Ceiling Control Box
3x 200mm Fixed Grille
Fittings and Fixings Included



SV06S -6 OUTLET SUMMER HOME VENTILATION SYSTEM

Order Code: FAN1065

Smart-Vent Digital Controller
2x 200mm Three Speed Fan
6x 150mm x 3m Acoustic Insulated Duct
3x 200mm x 3m Unilok Ducting
2x 200mm x 6m Unilok Ducting
2x F7 Filter Box

2x DBTO 200-150-150-150
2x 200mm Damper Assembly
6x Adjustable Ceiling Diffusers
1x Ceiling Control Box
5x 200mm Fixed Grille
Fittings and Fixings Included



Distributed by: Securimax Limited

PO Box 14 347, Panmure, Auckland, New Zealand. Fax: (09) 259 1661

Christchurch Branch Fax: (03) 365 0307

Email: sales@securimax.co.nz Website: www.smartvent.co.nz

Securimax reserves the right to alter specifications without notice.

Store Details

www.smartvent.co.nz