



NZ's Home Ventilation Specialists

Selection Guide

SmartVent Positive Pressure and Energy Recovery
Systems and Upgrades

SmartVent **Positive**

SmartVent **Synergy**

Choosing the kit

What is the size of your home (m ²)?	Would you like the Evolve temperature and humidity sensor capabilities and Tablet?	How many rooms do you wish to distribute to?	Recommended SmartVent System	Order Codes
Up to 70m ²	-	1	SV01C	FAN2023
		2	Extension Kit	DCT2276
		1	SV01 (no controller)	FAN1056
Up to 100m ²	Yes	2	SV02E	FAN2113
	No	2	SV02	FAN0939
		3	Extension Kit	DCT2276
Up to 280m ²	Yes	4	SV04E	FAN2115
		5 - 6	Extension Kit/s	DCT2276
	No	4	SV04	FAN1057
		5 - 6	Extension Kit/s	DCT2276
Up to 560m ²	Yes	6	SV06E	FAN2117
		7 - 12	Extension Kit/s	DCT2276
	No	6	SV06	FAN1064
		7 - 12	Extension Kit/s	DCT2276

IMPORTANT

- If you exceed the number of rooms listed in the selection guide above, the performance of the system may not work as designed.
- For the SV06 systems, a total of 6 extension kits can be added, however do not exceed 3 extension kits per branch of the system.

Adding upgrades

Kit	SV01	SV01C	SV02	SV02E	SV04	SV04E	SV06	SV06E	
Second Air Source Kit	-	DCT2134	DCT2134		DCT2128		DCT2135		
Outdoor Air Supply Kit	FAN6264	FAN6264	FAN6264		-		-	-	
Heat Transfer Kit	-	-	FAN2027		FAN2028		FAN2028 (1 branch) FAN4438 (both branches)		
Tempering Heater	1 kW	DCT2123	DCT1226	DCT1226	DCT3478	DCT1483	DCT3231	DCT1483	DCT3231
	2 x 1 kW	-	-	-	-	-	-	DCT1491*	DCT3418*
	2 kW	-	-	-	-	DCT1484	DCT3230	DCT1484	DCT3230
Digital PTC Room Heater	1.6 kW	DCT4039**	DCT4039**	DCT4039**	-	DCT4039**	-	DCT4039**	-
Evolve PTC Room Heater	1.6 kW	-	-	-	DCT4037	-	DCT4037	-	DCT4037
Additional Fan Kit – 150mm	-	FAN5836	FAN5836		FAN5836		-	FAN5836	
Additional Fan Kit – 200mm	-	FAN5837	FAN5837		FAN5837		-	FAN5837	
Additional Outlet	DCT2276	DCT2276	DCT2276		DCT2276		DCT2276		

* DCT1491 / DCT3418 consist of 2 x 1kW units for installation into each branch of an SV06/E system.

** When adding more than one PTC Room Heater into the digital system contact Simx Technical Support for advice on 09 259 1660

BEFORE PLACING ORDER.

A **Second Air Source** kit is an optional second air intake located under the eaves or at the gable end of the home (weatherproof grille may be required). This feature provides an alternative air supply when the roof cavity temperature exceeds the maximum temperature set by the user.

The **Outdoor Supply Kit** is designed specifically for SV02 & SV01 systems when roof space air is not required. The kit contains a fixed grille, duct and filter spigots.

Heat Transfer uses a motorised damper to draw air from a heat source - usually a living room, instead of ventilating with air from the outside/ceiling. This feature can also provide an alternative air supply for your Evolve system.

A **Tempering Heater** is a 1kW or 2kW element in line heater designed to temper the incoming air.

A **PTC Heater** is a self regulating heating technology which adapts to your space only using the required amount of power.

An **Additional Fan Kit** allows an additional branch with fan, filter and outlet to be fitted to the system. The additional fan kits enable a single controller to operate two systems where longer duct runs or between floor configurations would normally be required.

Choosing the kit

What is the square metre size of the home?	How many rooms do you wish to supply to?	How many rooms do you wish to extract from?	Recommended SmartVent Synergy System	Order Code
Up to 150m ²	3	1	Synergy 190E	FAN2177
	4	2	Supply & Extract Extension Kits	DCT2276 Supply Kit DCT2289 Extract Kit
	3	1	Synergy 1015E	FAN6065
	4	2	Supply & Extract Extension Kits	DCT4015 Supply Kit DCT4016 Extract Kit
Up to 250m ²	3	1	Synergy 2025E	FAN6067
	4	2	Supply & Extract Extension Kits	DCT4015 Supply Kit DCT4016 Extract Kit
Up to 350m ²	3	1	Synergy 3035E	FAN6069
	4	2	Supply & Extract Extension Kits	DCT4015 Supply Kit DCT4016 Extract Kit
	5	2	Synergy 405	FAN2191
	6	3	Supply & Extract Extension Kits	DCT2334 Supply Kit DCT2335 Extract Kit

Note: Exceeding the number of rooms listed in the Selection Guide (by product) may affect the performance of the system and should be reviewed with SmartVent prior to purchase and installation.

Adding upgrades

Kit		Synergy 190E	Synergy 1015E	Synergy 2025E	Synergy 3035E	Synergy 405
Second Air Source		DCT4017				Included
Heat Transfer		FAN6418		FAN2027		-
Tempering Heater	1 kW	DCT3478		DCT3231		DCT1483
	2 kW	-		DCT3230		DCT1484
Remote Sensor		-	-	-	-	FAN2047
TSC PTC Room Heater	1.6 kW	-	-	-	-	DCT4039*
Evolve PTC Room Heater	1.6 kW	DCT4037				-
Core By-pass		FAN2172	Included **			Included
Additional Outlet		DCT2276	DCT4015	DCT4015	DCT4015	DCT2334
Additional Extract		DCT2289	DCT4016	DCT4016	DCT4016	DCT2335

*DCT4039/DCT4040 When adding more than one PTC Room Heater into the TSC Synergy 405 system contact Simx Technical Support for advice on 09 259 1660 **BEFORE PLACING ORDER.**

Second Air Source is an optional second air intake located in the roof cavity. This feature allows the system to utilise the roof cavity temperature for increased heating efficiency.

Heat Transfer / Recycle has a motorised damper that operates to switch the air drawing from outside to instead draw air from the room where there is a heat source - usually a living room.

A **Tempering Heater** is a element in-line heater designed to temper the incoming air.

The **Remote Humidity Sensor** allows the user to control the relative humidity and temperature readings from a room other than where the TSC is situated (Synergy 405 only).

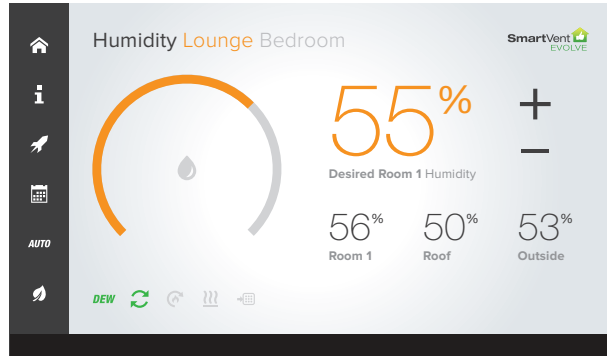
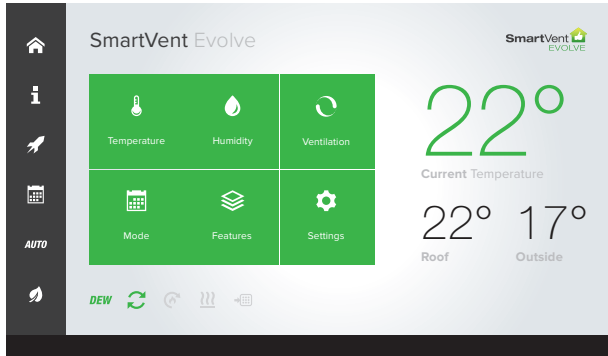
A **PTC Heater** is a self regulating heating technology which adapts to your space only using the required amount of power.

The **Core By-pass** feature diverts fresh filtered air around the core, useful in summer when the outside temperature is assumed to be lower than the inside and the incoming air does not need to be warmed with the air being extracted from the home.

** Simulated core by-pass with the fans alternating between extraction and positive pressure.

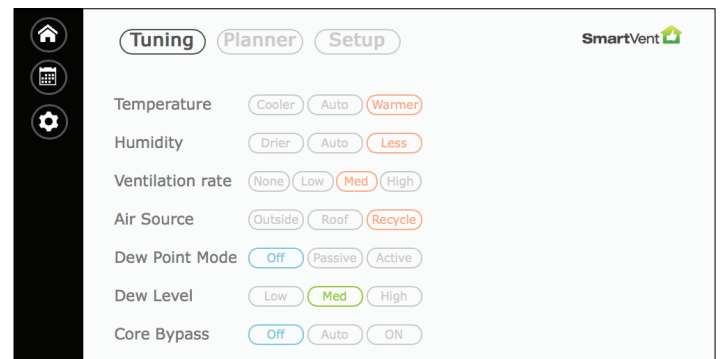
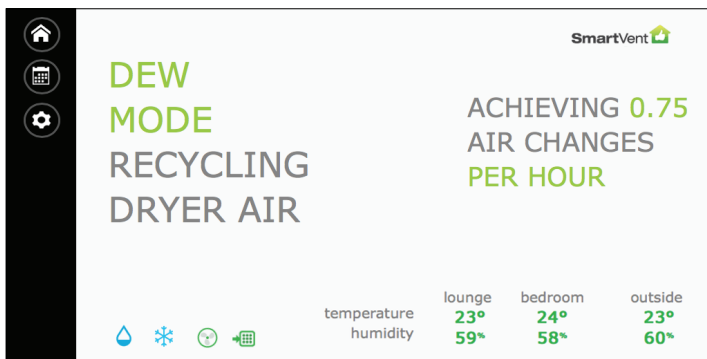
A **Heat Boost** is designed to allow extract points (where more than one is installed) to be closed off to optimise the heat recovered from the heat source room.

Positive Evolve



Positive Evolve systems are supplied with a 7" Android tablet.

Synergy Evolve



DCT3441: The 7" android tablet is available for purchase separately to be used with Synergy Evolve systems, however the system can be accessed from any Android device.

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