



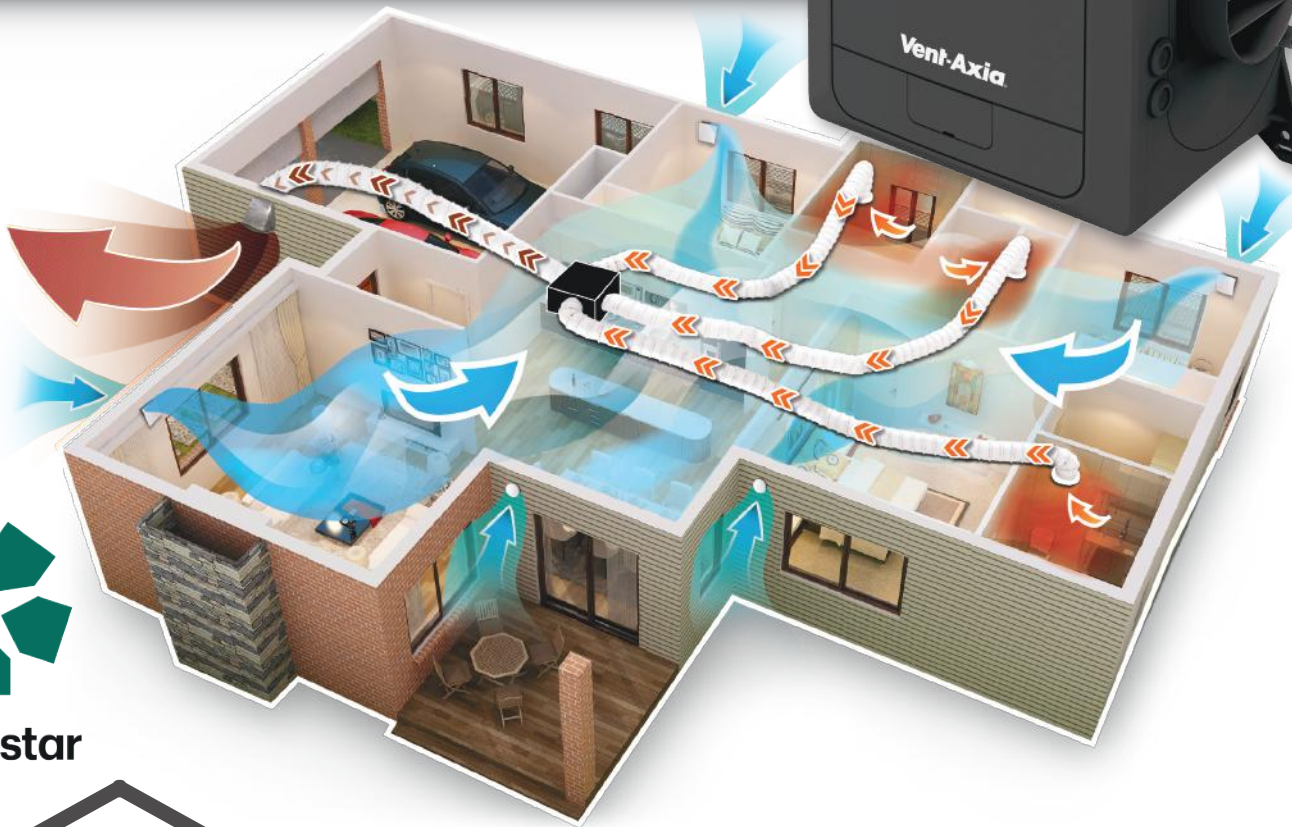
# MultiVent

Continuous Extract Ventilation

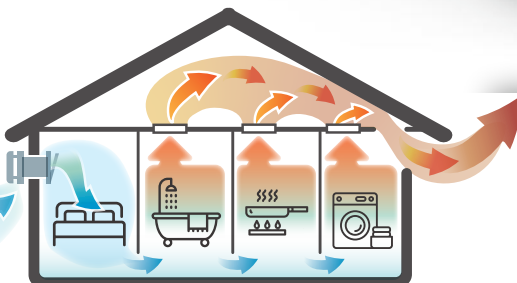
from **Vent-Axia**.

Complies with  
**New Zealand Green Building Council  
Homestar v5 - Level 6 to Level 8\***

*\*An additional 1 point available for commissioning.*



homestar



## Improved Indoor Air Quality

Virus and pollutant extraction as part of improved IAQ. Continuous slowly refreshed air through market leading MultiVent continuous extract ventilation system.



### Continuous Extract with Automated Humidity Control

The air quality benefits of continuous "trickle" extract ventilation with automated boost speeds when needed via continuous humidity sensing and control.



### Ultra Quiet & Energy Efficient Performance

The MultiVent continuous extract ventilation system has been carefully designed using cutting edge computational fluid dynamics airflow modelling to reduce energy loss and noise across all performance speeds.



BRANZ Appraised  
Appraisal No.1152 [2021]

# MultiVent

Continuous Extract Ventilation

from **Vent-Axia**.

Continuous ventilation with automated humidity sensing and boost fan speeds

## Home Owner Benefits

Ideal for apartments, multi-unit dwellings & free-standing homes.

Traditional intermittent extract fans remove the peak of extra humidity created by bathroom or laundry activity. European countries have long understood that combining continuous running slow-rate "trickle" extraction, with high boost levels from bathrooms, laundries and utility rooms, delivers better indoor air quality. The extracted air is replaced through natural air flow through the gaps around doors and windows, trickle inlet slots, or best of all, the Manrose Puro Filtered Passive Vent Kit (DCT4565) with typhoon cowl that has an effective aerodynamic area of 3000mm<sup>2</sup> without the filter and 1400 mm<sup>2</sup> with the filter fitted.

This slow continuous flow with humidity sensed boost automation from the Vent-Axia MultiVent unit ensures refreshed indoor air quality by extracting pollutants including volatile organic compounds, bacteria and viruses - as recommended by health authorities including WHO.

## Vent-Axia bought to you by Simx Ltd

Market leading Vent-Axia and Manrose extraction products are supplied and supported in the New Zealand market by Simx Ltd. Vent-Axia MultiVent systems have been proven and refined over decades in the UK and Europe.



FAN7200 - Ventilation Kit  
FAN7453 - Fan Only Unit

Puro Filtered Passive Vent Kit <b>DCT4565</b> Effective Aerodynamic Area	
with Filter	1400mm <sup>2</sup>
without Filter	3000mm <sup>2</sup>

## Condensation and Mould



The 'average' family produces approximately 12 litres of moisture per day.

In New Zealand, condensation in houses is a problem particularly where warm moist air is generated in areas like bathrooms and laundries. The moisture in the air gets left on surfaces in colder parts of the house resulting in water running down the windows leading to black mould on walls, ceilings and in cupboards.

## How to reduce humidity levels



Walls, ceiling, floors & soft furnishings quickly show signs of black mould growth.

- Adequate Heating - Air is like a sponge, the warmer it is the more moisture it will hold.
- Adequate Insulation - Prevents cold surfaces for moisture to condense.
- Adequate Ventilation - Removes the excess moisture held in the warm air and provides fresh air resulting in better indoor air quality.

## What is it and why is it there?

The MultiVent continuous extract ventilation system is a centralised fan unit mounted in your roof cavity or cupboard that draws stale moist air and odours from your bathroom, laundry and toilet, and removes it from the home through the circular grilles mounted in your ceiling.

## What does it do?

The slow "trickle" rate of the MultiVent continuous extract ventilation system continuously moves air around your property at such a low level that you never feel it, which is replaced by clean air, drawn in through the gaps around doors and windows, trickle inlet slots, or the Manrose Puro Filtered Passive Vent Kit (DCT4565), 24 hours a day, 7 days a week. Your home is ventilated without the need to open windows which can let in noise and can compromise security. The fan is designed to operate at a lower flow rate than normal. However, through continuous humidity sensing, the fan will automatically speed up to a suitable boost speed when required. You DO NOT need to switch the system off.

## How will it help?

The unit will prevent the build up of moisture in the house, remove steam/condensation and odours during bathing and cooking, cut black mould forming on the walls and behind cupboards, as well as extracting pollutants including volatile organic compounds, bacteria and viruses.

## How do I control it?

The MultiVent continuous extract ventilation system has a range of installer set-up options including the recommended automatic and continuous "trickle" setting, to ensure your home is ventilated at the appropriate level. The system can automatically boost to a higher extract rate when the cooker, shower or bath is used. As the unit removes the stale air from the home, it is replaced with air from outside. Natural house ventilation, trickle/slot vents in windows or wall, or the Manrose PURO Filtered Passive Vent kits (DCT4565) can be used. Please note the fan may run at the higher boost rate as the dwelling dries out. This should settle down once the dwelling has had time to dry out.