



## Our Values



**Improving Energy Efficiency** using highly efficient products and superior system controls



**Maintaining Indoor Air Quality** through intelligent software designed specifically for NZ



**On-Demand Ventilation** by monitoring air quality and ventilating as required

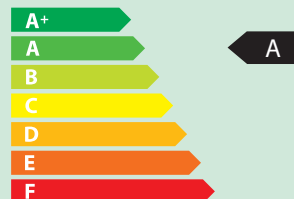
## Why Ventilation

A healthy home requires good ventilation to maintain high Indoor Air Quality. Without ventilation, your home becomes a host for mould and mildew which thrive in humid conditions.

Plus long-term exposure to VOC's within your home can damage your health.

### ENERGY EFFICIENCY

VENTIO



## Our System

Using the latest technology and most energy-efficient products, we have created the most intelligent ventilation system to give you constant ventilation, while having minimal effect on the thermal comfort and noise levels in your home.

*Our systems are designed to meet international requirements of ASHRAE 62.2.*



Positive Pressure Systems	VX60	VX220	VX300
House Size	Up to 60m <sup>2</sup>	Up to 220m <sup>2</sup>	Up to 400m <sup>2</sup>
Number of Rooms	1 - 2 Rooms	3 - 6 Rooms	6 - 9 Rooms
Voltage (V/Hz)	230/50	230/50	230/50
Power (W)	1 - 17	3 - 73	3 - 165
Air Flow (m <sup>3</sup> /hr)	63 ~ 284	65 ~ 650	63 ~ 1228
Static Pressure (Pa)	159	457	580
Noise (dB)	28	31	38
Speed (RPM)	500 - 3000	500 - 3000	500 - 3000
Weight (kg)	1.4	2.5	3.5
Specific Fan Power (W/Ls <sup>-1</sup> )	0.175	0.398	0.294



HIGH FLOW MIXED FLOW FAN  
150MM



HIGH FLOW MIXED FLOW FAN  
200MM



VENTILATION CONTROLLER  
3-MODE ON-DEMAND ADJUSTMENT



HIGH VELOCITY CONE DIFFUSER  
100MM / 125MM / 150MM



PM2.5 FILTER  
NEW REGULATIONS COMPLIANT

## Demand Controlled Ventilation

Our systems use DCV - the ventilation rate is automatically adjusted according to user demand and the quality of incoming air, using our built-in intelligent controller which constantly senses air quality to regulate the level of ventilation.

Our specialised software determines the correct fan speed based on established standards, to achieve high indoor air quality as well as maximum thermal comfort.

## Continuous Ventilation

By combining our DCV controls with highly energy-efficient EC fans, our systems can achieve high airflows when the outdoor air quality is good.

Most importantly, they can also achieve very low airflows when the outside air may affect the thermal comfort inside your house.

This is how our systems are able to ventilate continuously, where most other systems would turn off.