Home Ventilation

EVOAQ
for your Home & Health

Our Values

Improving Energy Efficiency using highly efficient products and superior system controls

Maintaining Indoor Air Quality through intelligent software designed specifically for NZ

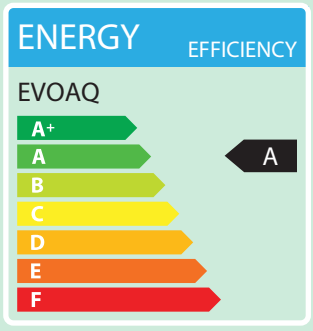
On-Demand Ventilation by monitoring air quality and ventilating as required

Why Ventilation

Great indoor air quality is one of the essential requirements for your home and health.

Without proper ventilation, moisture and VOCs become trapped inside your home, creating the ideal environment for harmful organisms like mould and mildew to thrive and causing many long-term health effects.

EVOAQ ventilation works to continuously bring in filtered fresh air, reducing moisture and VOC levels and improving your health and wellbeing.



Our System

Conventional ventilation systems adjust their operation by what is happening inside your house, with little regard for outside conditions. Our system differs because it looks at the air coming into the house; what is happening inside is just a guideline. Using locally developed complex algorithms, this is the only system able to learn and adapt to its environment, automatically adjusting its operation so you don't have to.

EVOAQ ventilation systems are suitable for new houses and comply with G4 Building Code, ASHRAE 62.2, High-Density Housing & Healthy Homes.

Like **EVOAQ** *on Facebook*

For more information
visit **www.evoaq.co.nz**

Follow **evoaqnz** *on Instagram*

System Specifications

EVOAQ

EVOAQ Standard Ventilation	AQ60	AQ220	AQ300
House Size	Up to 60m²	Up to 220m²	Up to 400m²
Number of Rooms	1 - 3 Rooms	3 - 6 Rooms	6 - 9 Rooms
Fan Size	125mm	150mm	200mm
Voltage (V/Hz)	230/50	230/50	230/50
Power (W)	1 - 17	2 - 70	3 - 165
Air Flow (m³/hr)	63 ~ 284	65 ~ 647	63 ~ 1250
Static Pressure (Pa)	159	503	746
Noise (dB)	28	31	38
Speed (RPM)	250 - 2250	500 - 3000	500 - 3000
Weight (kg)	1.4	2.5	3.5
Specific Fan Power (W/Ls-1)	0.175	0.356	0.294

125mm Mixed Flow Fan

150mm Mixed Flow Fan

200mm Mixed Flow Fan

Ventilation Controller
3-mode on-demand adjustment

High Velocity Cone Diffuser
100mm

EVOAQ Premium Filter Box
with PM2.5 and HEPA filter

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.

Available Upgrades *- Summer Feature - Heat Transfer - Carbon Filter - Air Purification Box*

sales@evoaq.co.nz **www.evoaq.co.nz**

Bathroom Extraction

EVOAQ
for your Home & Health

Our Values

Improving Energy Efficiency using highly efficient products and superior system controls

Maintaining Indoor Air Quality through intelligent software designed specifically for NZ

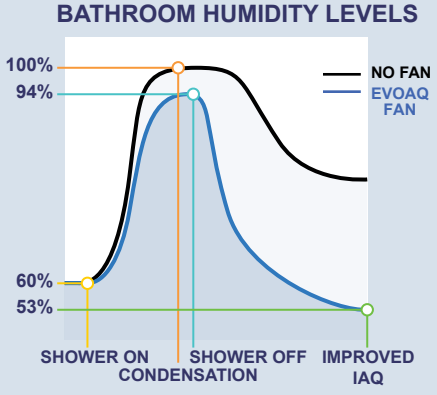
On-Demand Extraction by monitoring air quality and extracting as required

The Benefit of Extraction

Great indoor air quality is one of the essential requirements for your home and health.

Bathrooms are the main source of damp air within the home. Extracting this damp air at its source is the most effective way to improve and maintain your indoor air quality and to prevent mould and mildew from growing.

EVOAQ extraction automatically extracts damp air and steam, resulting in a fresher, warmer and healthier environment throughout your home.



Our System

Conventional bathroom extraction systems are operated by manually turning on a simple wall switch - if you remember to use it. Our fans, on the other hand, use our custom-designed software to monitor the ever-changing bathroom environment, while continuing to extract any excess moisture even when the bathroom is not in use. This is the only system able to learn and adapt to its environment, automatically adjusting its operation so you don't have to.

All EVOAQ systems are suitable for new houses and comply with G4 Building Code, Auckland Unity Plan/High-Density Housing & Healthy Homes.

Like **EVOAQ** *on Facebook*

For more information
visit **www.evoaq.co.nz**

Follow **evoaqnz** *on Instagram*

System Specifications

Extraction System	EX-MF125xx	EX-MF150xx	EX-AX150xx	EX-TW150xx	EX-TW180xx
Bathroom Size	Up to 9m²	Up to 30m²	Up to 20m²	Up to 12m²	Up to 20m²
Fan Type	Mixed-flow	Mixed-Flow	Axial	Thru-Wall	Thru-Wall
Fan Size	125mm	150mm	150mm	150mm	180mm
Voltage (V/Hz)	230/50	230/50	230/50	230/50	230/50
Max. Power (W)	17	70	17	17	17
Max. Air Flow (m3/hr)	284	647	399	340	399
Static Pressure (Pa)	159	503	240	132	240
Noise (dB)	28	31	31	31	31
Max. Speed (RPM)	2250	3000	3000	2800	3000
Weight (kg)	1.4	2.5	1.2	1.1	1.2

MIXED FLOW(INLINE)FAN
125MM

MIXED FLOW(INLINE)FAN
150MM

AXIAL(INLINE)FAN
150MM

THROUGH-WALL FAN
150MM

THROUGH-WALL FAN
180MM

STANDARD EXTRACTION KITS INCLUDE
EXTRACTION FAN
CONE DIFFUSER (INLINE KITS ONLY)
ABS LOUVRE GRILLE OR COWL
EXTRACTION DUCTING
INSTALL KIT + MANUAL

Demand Controlled Ventilation

Our bathroom extraction systems use DCV - the extraction rate is automatically adjusted according to fluctuating humidity levels, using our built-in intelligent controller which constantly monitors the bathroom air to regulate the level of extraction.

Our specialised software determines the right fan speed in order to maintain low humidity levels and minimise moisture damage within your bathroom.

Continuous Ventilation

By combining our DCV controls with highly energy-efficient EC fans, our systems can use high airflows when extraction is needed the most.

Additionally, the system keeps running at very low levels even when the bathroom is not in use, to continue removing any excess moisture from the bathroom.

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

Available Upgrades - *Backdraft Shutter* ***-*** *Stainless Steel Cowl - Extra Inlet - Boost Switch*

sales@evoaq.co.nz **www.evoaq.co.nz**

Heat Transfer

EVOAQ
for your Home & Health

Our Values

Improving Energy Efficiency using highly efficient products and superior system controls

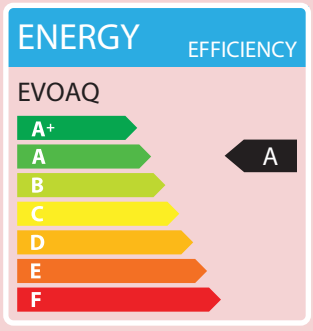
Maintaining Indoor Air Quality through intelligent software designed specifically for NZ

On-Demand Heat Transfer by monitoring air temperature and transferring excess heat only

Why Heat Transfer

When your fireplace heats your lounge, a fast and efficient heat transfer system can use the excess heat to create a warm and comfy environment for the rest of your home.

An effective heat transfer system improves the indoor air quality, and can prevent health problems caused by cold and damp air.



Our System

By combining the latest in fan technology and automatic sensing controls, our systems ensure optimal transferring of heated air throughout your home while maintaining a comfortable temperature in your lounge.

Our high-pressure, 100% variable fan combines with smaller diffusers to create the best possible mixing of heated air into your rooms.

Like **EVOAQ** *on Facebook*

For more information visit **www.evoaq.co.nz**

Follow **evoaqnz** *on Instagram*

System Specifications

Heat Transfer Systems	AQHTR-1	AQHTR-2/3	AQHTR-4/5
Number of Rooms	1 Room only	2 - 3 Rooms	4 - 5 Rooms
Fan Size	125mm	150mm	200mm
Voltage (V/Hz)	230/50	230/50	230/50
Power (W)	1 - 17	2 - 70	3 - 165
Air Flow (m^3/hr)	63 ~ 284	65 ~ 647	63 ~ 1250
Static Pressure (Pa)	159	503	746
Noise (dB)	28	31	38
Speed (RPM)	250 - 2250	500 - 3000	500 - 3000
Weight (kg)	1.4	2.5	3.5
Specific Fan Power (W/Ls-1)	0.175	0.398	0.294

High Flow Mixed Flow Fan
125mm

High Flow Mixed Flow Fan
150mm

High Flow Mixed Flow Fan
200mm

Heat Transfer Controller
3-mode on-demand adjustment

High Velocity Cone Diffuser
100mm / 125mm

Low-Resistance
Insulated Ducting

Demand Controlled Ventilation

Our systems use DCV - the heat transfer rate is automatically adjusted according to user demand and air temperature from the heat source, using our built-in intelligent controller which constantly senses air temperature to regulate the amount of heat transferred.

Our specialised software determines the optimal fan speed for heat transfer to make the best use of any excess heat and maintain maximum thermal comfort within your home.

Continuous Ventilation

By combining our DCV controls with highly energy-efficient EC fans, our systems can achieve high airflows when the heat source room is nice and warm.

Plus they can continue to transfer heat at low airflows even after the room starts to cool down again, to keep providing your other rooms with warmer air for as long as possible.

We highly recommend combining our heat transfer systems with our ventilation system.

Available Upgrades *- Fresh Air Feature - Carbon Filter Box*

sales@evoaq.co.nz **www.evoaq.co.nz**

VOC Extraction
Kitchen Extraction

EVOAQ
for your Home & Health

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 Extraction by monitoring air quality and extracting as required

Why Kitchen Extraction

A healthy home requires good ventilation to maintain high Indoor Air Quality. But it is just as important to remove stale air from your home. Extracting this stale air from its source prevents harmful substances from building up in the air around you.

This is important as long-term exposure to these VOC's within your home can damage your and your family's health.

Our System

Our extraction systems are custom-made, fully automatic fans with built-in sensor controls, to provide you with the best protection for you, your kitchen, and your home.

These fans constantly monitor pollution levels within your kitchen and adjust the extraction rate as needed, to remove all steam and VOCs - without ever needing to flick a switch.

Our VOC extraction fans can detect many common and harmful VOCs like formaldehyde, CO, and cigarette smoke.

Like **EVOAQ** *on Facebook*

For more information
visit **www.evoaq.co.nz**

Follow **evoaqnz** *on Instagram*

System Specifications

Kitchen Extraction System	VOC-MF125KF	VOC-MF150KF	VOC-AX150KF	VOC-TW180KF
Kitchen Size	Up to 9m²	Up to 30m²	Up to 20m²	Up to 20m²
Fan Type	Mixed-flow	Mixed-Flow	Axial	Thru-Wall
Fan Size	125mm	150mm	150mm	180mm
Voltage (V/Hz)	230/50	230/50	230/50	230/50
Power (W)	1 - 17	2 - 70	2 - 20	2 - 20
Air Flow (m³/hr)	63 ~ 284	65 ~ 647	56 ~ 399	56 ~ 399
Static Pressure (Pa)	159	503	240	240
Noise (dB)	28	31	31	31
Speed (RPM)	250 - 2250	500 - 3000	500 - 3000	500 - 3000
Weight (kg)	1.4	2.5	1.2	1.2

Mixed Flow (Inline) Fan
125mm

Mixed Flow (Inline) Fan
150mm

Axial (Inline) Fan
150mm

Through-wall Fan
150mm

High Velocity Cone Diffuser
125mm / 150mm

Louvre Grille
125mm / 150mm

Stainless Steel Cowl
125mm / 150mm

Grease Filter
Optional Upgrade

Demand Controlled Ventilation

Our kitchen extraction systems use DCV - the extraction rate is automatically adjusted according to fluctuating VOC and humidity levels, using our built-in intelligent controller which constantly monitors the kitchen air quality to regulate the level of extraction.

Our specialised software determines the right fan speed in order to remove any VOCs and high humidity inside the kitchen to maintain the best possible air quality in and around your kitchen and home.

Continuous Extraction

By combining our DCV controls with highly energy-efficient EC fans, our systems can use high airflows when extraction is required the most.

Additionally, the system keeps running at very low levels even when your kitchen is not in use, to continue to remove any lingering odours and moisture throughout the day.

This is how our systems are able to react continuously to provide optimal extraction.

Available Upgrades - *Stainless Steel Grease Filter*

sales@evoaq.co.nz **www.evoaq.co.nz**

Rental Ventilation

EVOAQ
for your Home & Health

Our Values

Improving Energy Efficiency using highly efficient products and superior system controls

Maintaining Indoor Air Quality taking care of both your tenants and your property

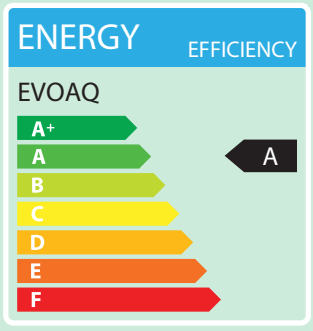
Fully Automatic System Operation - no wall controller means no user interaction required

Why Ventilation

Great indoor air quality is one of the essential requirements for your home and health.

Without proper ventilation, moisture and VOCs become trapped inside the house, creating the ideal environment for things like mould and mildew to thrive and damage your property.

EVOAQ ventilation continuously brings in filtered fresh air, ventilating at optimal levels to maintain Indoor Air Quality, protecting your property and keeping your tenants happier.



Our System

Conventional ventilation systems adjust their operation by what is happening inside the house, with little regard for outside conditions. Our system differs because it looks at the air coming into the house; what is happening inside is just a guideline. EVOAQ Basic Ventilation systems do not require any wall controller and are fully automatic, allowing them to function without any tenants messing around with the system or turning it off when it is most needed.

EVOAQ ventilation systems are suitable for new houses and comply with G4 Building Code, ASHRAE 62.2, High-Density Housing & Healthy Homes.

Like **EVOAQ** *on Facebook*

For more information
visit **www.evoaq.co.nz**

Follow **evoaqnz** *on Instagram*

System Specifications

EVOAQ

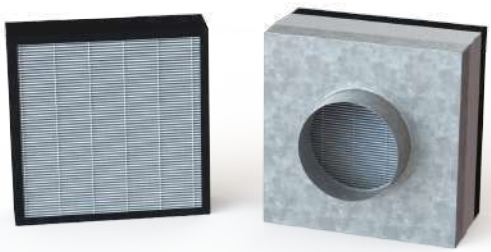
EVOAQ Basic Ventilation	AQ220N	AQ300N
House Size	Up to 220m²	Up to 400m²
Number of Rooms	3 - 6 Rooms	6 - 9 Rooms
Fan Size	150mm	200mm
Voltage (V/Hz)	230/50	230/50
Power (W)	2 - 70	3 - 165
Air Flow (m³/hr)	65 ~ 647	63 ~ 1250
Static Pressure (Pa)	503	746
Noise (dB)	31	38
Speed (RPM)	500 - 3000	500 - 3000
Weight (kg)	2.5	3.5
Specific Fan Power (W/Ls-1)	0.356	0.294

150mm Mixed Flow Fan

200mm Mixed Flow Fan

Ventilation Controller
Optional Upgrade

High Velocity Cone Diffuser
150mm



EVOAQ Basic Filter Box
with PM2.5 filter

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.

Available Upgrades *- Wall Controller - Premium Filter Box*

sales@evoaq.co.nz **www.evoaq.co.nz**

Rental Extraction

EVOAQ
for your Home & Health

Our Values

Improving Energy Efficiency using highly efficient products and superior system controls

Maintaining Indoor Air Quality through intelligent software designed specifically for NZ

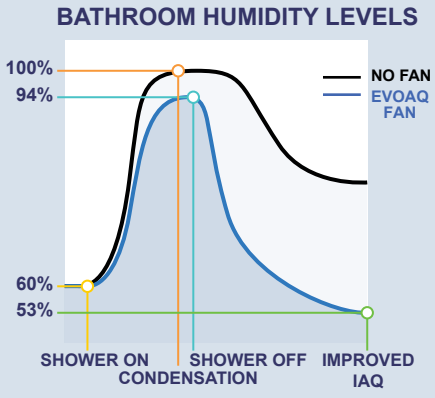
On-Demand Extraction by monitoring air quality and extracting as required

The Benefit of Extraction

Great indoor air quality is one of the essential requirements for your home and health.

Our bathroom extraction systems are designed to automatically extract damp air from your tenants' bathrooms, to maintain high Indoor Air Quality and prevent mould and mildew.

On-Demand extraction is the best way to protect the house from condensation and mould damage, keeping the bathroom fresh and tenants happy.



Our System

Conventional bathroom extraction systems are operated by manually turning on a simple wall switch - if you remember to use it. Our fans, on the other hand, use our custom-designed software to monitor the ever-changing bathroom environment, while continuing to extract any excess moisture even when the bathroom is not in use. This is the only system able to learn and adapt to its environment, automatically adjusting its operation so you don't have to.

All EVOAQ systems are suitable for new houses and comply with G4 Building Code, Auckland Unity Plan/High-Density Housing & Healthy Homes.

Like **EVOAQ** *on Facebook*

For more information
visit **www.evoaq.co.nz**

Follow **evoaqnz** *on Instagram*

System Specifications

Extraction System	EX-AX150SF	EX-TW150SF	EX-TW180SF
Bathroom Size	Up to 20m²	Up to 12m²	Up to 20m²
Fan Type	Axial	Thru-Wall	Thru-Wall
Fan Size	150mm	150mm	180mm
Voltage (V/Hz)	230/50	230/50	230/50
Max. Power (W)	17	17	17
Max. Air Flow (m3/hr)	399	340	399
Static Pressure (Pa)	240	132	240
Noise (dB)	31	31	31
Max. Speed (RPM)	3000	2800	3000
Weight (kg)	1.2	1.1	1.2

AXIAL(INLINE)FAN
150MM

THROUGH-WALL FAN
150MM

THROUGH-WALL FAN
180MM

HIGH VELOCITY CONE DIFFUSER
150MM

LOUVRE GRILLE
150MM

STAINLESS STEEL COWL
180MM

Demand Controlled Ventilation

Our bathroom extraction systems use DCV - the extraction rate is automatically adjusted according to fluctuating humidity levels, using our built-in intelligent controller which constantly monitors the bathroom air to regulate the level of extraction.

Our specialised software determines the right fan speed in order to maintain low humidity levels and minimise moisture damage within your bathroom.

Continuous Ventilation

By combining our DCV controls with highly energy-efficient EC fans, our systems can use high airflows when extraction is needed the most.

Additionally, the system keeps running at very low levels even when the bathroom is not in use, to continue removing any excess moisture from the bathroom.

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

Available Upgrades - *Backdraft Shutter* ***-*** *Stainless Steel Cowl - Extra Inlet - Boost Switch*

sales@evoaq.co.nz **www.evoaq.co.nz**

Bathroom Extraction

EVOAQ
Air Quality Innovation

THE ONLY FAN YOU'LL EVER NEED

New Zealand's only fan that is specially designed for landlords and complies with the Healthy Homes Bill

Like ***EVOAQ***

Follow ***evoaqnz***

For more information visit ***www.evoaq.co.nz***

Bathroom Extraction

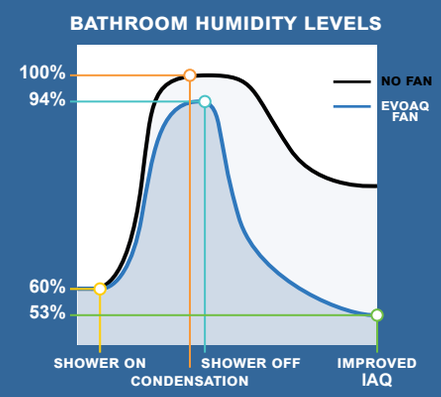
EVOAQ
Air Quality Innovation

THE NEW NUMBER ONE

Our Extraction Fan

Our EVOAQ extraction fans are custom-made, fully automatic fans with built-in sensor controls, to provide you with the best protection for you and your bathroom.

These fans constantly monitor the bathroom environment and adjust the extraction rate on-demand, removing all excess moisture from your bathroom - without ever needing to flick a switch again.



FAN SPECIFICATIONS	TYPICAL FAN	EVO101 FAN
Control Type	Manual	Automatic
Power	27 W	2 - 20 W
Air Flow	378 m^3/hr	56 - 399 m^3/hr
Static Pressure	120 Pa	240 Pa
Max. Noise	38 dB	31 dB
Specific Fan Power	0.25 W/Ls^{-1}	0.15 W/Ls^{-1}
ERP Rating	B^-/C	A^+

Our Benefits

High Energy Efficiency

Improved Air Quality

On-Demand Extraction

How does it work?

All **EVOAQ** fans use **Demand Controlled Extraction**. The fans run at very low levels when the bathroom is not in use, maintaining good air quality and preventing mould and mildew. And when steam is formed inside the bathroom, the fans speed up to control and minimise condensation levels. This way, our fans provide you with the best possible bathroom environment, at all times.

Like ***EVOAQ***

Follow ***evoaqnz***

For more information visit ***www.evoaq.co.nz***

Bathroom Extraction

EVOAQ
Air Quality Innovation

THE ONLY FAN YOU'LL EVER NEED

Introducing the most powerful fan in its class, designed for all bathrooms – the essential upgrade for any home

Like **EVOAQ**

Follow **evoaqnz**

For more information visit ***www.evoaq.co.nz***

Bathroom Extraction

EVOAQ
Air Quality Innovation

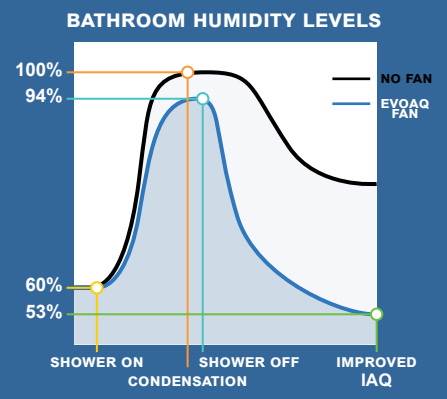
THE BETTER CHOICE

Elevate your bathroom experience with EVOAQ's cutting-edge features

Automatic Humidity Control - Advanced sensors adjust extraction rates for optimal indoor air quality

Energy-Efficient EC Motors - Reduced power consumption without compromising airflow

Whisper-Quiet Operation - Enjoy a peaceful bathroom environment with silent fan operation



FAN SPECIFICATIONS	TW180 FAN
Control Type	Automatic
Power	1 - 17 W
Product Class	Class II
Air Flow	58 - 364 m^3/hr
Static Pressure	210 Pa
Duct Size	150mm
Max. Noise	32 dB
Specific Fan Power	0.096 W/Ls^{-1}
ERP Rating	A^{++}

Our Benefits

High Energy Efficiency

Improved Air Quality

On-Demand Extraction

How does it work?

EVOAQ extraction fans use **Demand Controlled Extraction.** These fans run at very low levels when the bathroom is not in use, maintaining good air quality and preventing mould and mildew. And when steam is formed inside the bathroom, the fans speed up to control and minimise condensation levels. This way, our fans provide you with the best possible bathroom environment, at all times.

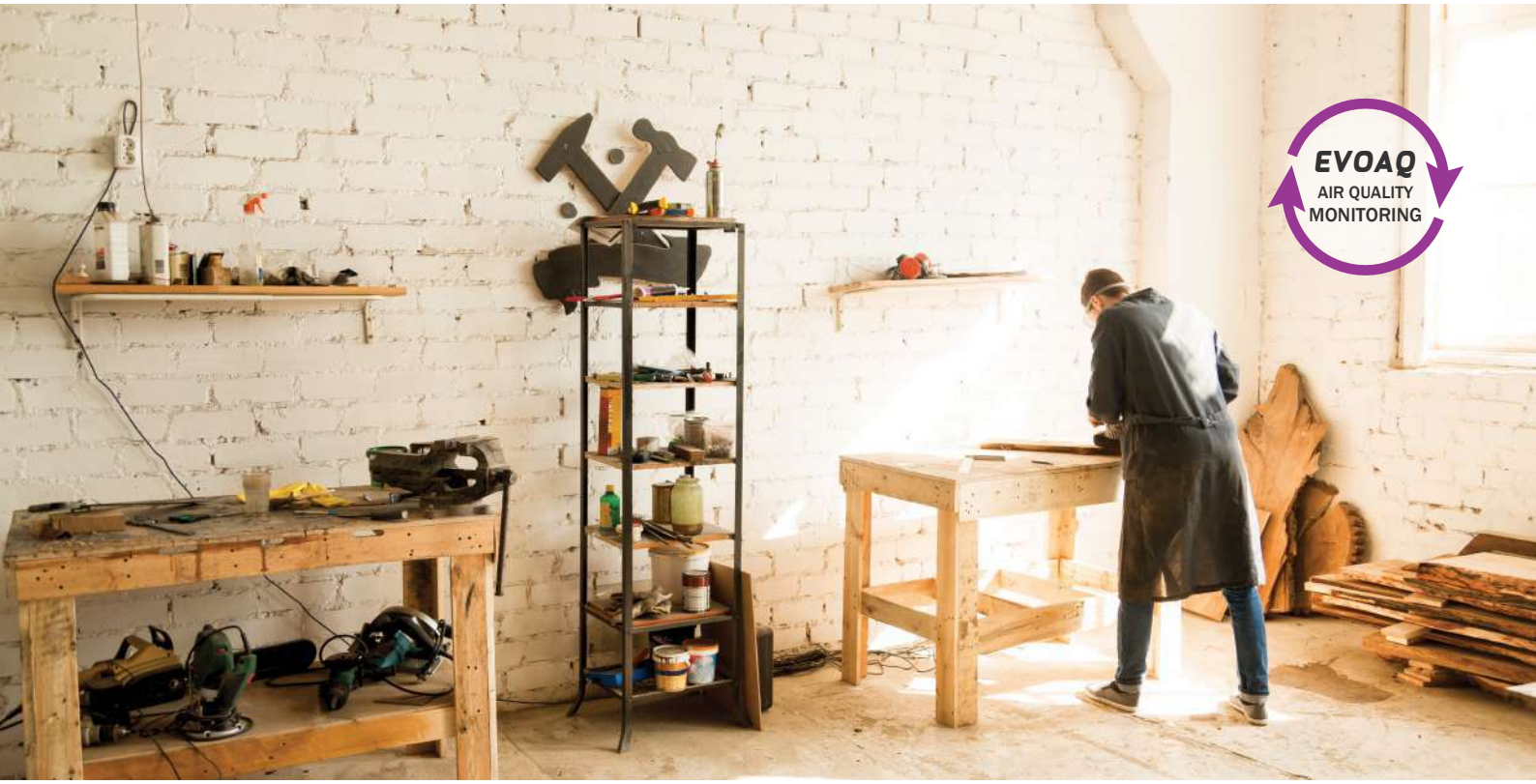
*Like **EVOAQ***

*Follow **evoaqnz***

*For more information visit **www.evoaq.co.nz***

VOC Extraction
Garage and Workshop

EVOAQ
for your Home & Health



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 Extraction by monitoring air quality and extracting as required

The Benefit of Extraction

Whether you use your garage to park your car, dry laundry, work on your DIY projects, or as an entire yoga studio, you may find the air quality inside the garage tends to be less than ideal.

Most garages aren't designed with air quality in mind, with poor airflow leading to moisture issues, overheating and toxic fumes building up.

Extracting the air from the garage helps prevent a lot of these issues, making it a whole lot more pleasant to practice your yoga inside!

Our System

Our extraction systems are custom-made, fully automatic fans with built-in sensor controls, to provide you with the best protection for you and your home.

These fans constantly monitor pollution levels within your garage or workshop and adjust the extraction rate as needed, to remove excess heat and VOCs - without ever needing to flick a switch.

Our VOC extraction fans can detect many common and harmful VOCs like formaldehyde, CO, and cigarette smoke.

Like **EVOAQ** *on Facebook*

For more information
visit **www.evoaq.co.nz**

Follow **evoaqnz** *on Instagram*

System Specifications

Workshop Extraction System	VOC-MF150GF	VOC-MF200GF	VOC-AX150GF	VOC-TW180GF
Garage/Workshop Size	Up to 30m²	Above 30m²	Up to 20m²	Up to 20m²
Fan Type	Mixed-flow	Mixed-Flow	Axial	Thru-Wall
Fan Size	150mm	200mm	150mm	180mm
Voltage (V/Hz)	230/50	230/50	230/50	230/50
Power (W)	2 - 70	3 - 165	2 - 20	2 - 20
Air Flow (m³/hr)	65 ~ 647	63 ~ 1250	56 ~ 399	56 ~ 399
Static Pressure (Pa)	503	746	240	240
Noise (dB)	31	38	31	31
Speed (RPM)	500 - 3000	500 - 3000	500 - 3000	500 - 3000
Weight (kg)	2.5	3.5	1.2	1.2

Mixed Flow (Inline) Fan
150mm

Mixed Flow (Inline) Fan
200mm

Axial (Inline) Fan
150mm

Through-wall Fan
180mm

High Velocity Cone Diffuser
125mm / 150mm

Louvre Grille
125mm / 150mm

Stainless Steel Cowl
125mm / 150mm

Grease Filter
Optional Upgrade

Demand Controlled Ventilation

Our kitchen extraction systems use DCV - the extraction rate is automatically adjusted according to fluctuating VOC and humidity levels, using our built-in intelligent controller which constantly monitors the kitchen air quality to regulate the level of extraction.

Our specialised software determines the right fan speed in order to remove any VOCs and high humidity inside the kitchen to maintain the best possible air quality in and around your kitchen and home.

Continuous Extraction

By combining our DCV controls with highly energy-efficient EC fans, our systems can use high airflows when extraction is required the most.

Additionally, the system keeps running at very low levels even when your kitchen is not in use, to continue to remove any lingering odours and moisture throughout the day.

This is how our systems are able to react continuously to provide optimal extraction.

Available Upgrades - *Stainless Steel Grease Filter*

sales@evoaq.co.nz **www.evoaq.co.nz**

Home Ventilation
Tiny Home Solution

EVOAQ
for your Home & Health

New Zealand's Most Advanced & Efficient On-Demand Ventilation System

EVOAQ AIR QUALITY MONITORING

Keeping it Simple

Fully automatic fan controls - no user intervention

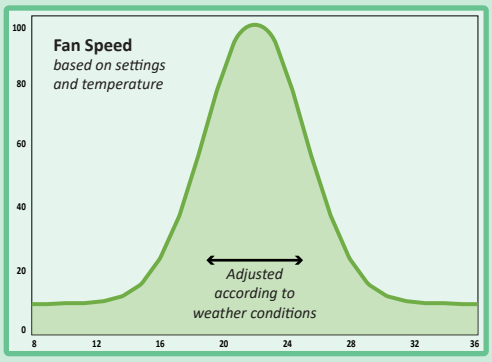
Washable ventilation filter for easy maintenance

The Benefit of Ventilation

Great indoor air quality is one of the essential requirements for your home and health.

Without proper ventilation, moisture and VOCs become trapped inside your home, creating the ideal environment for harmful organisms like mould and mildew to thrive and causing many long-term health effects.

EVOAQ Tiny Home Solution is designed specifically for tiny homes, to bring you a full solution for your ventilation and extraction needs.



Tiny Home Ventilation

Conventional ventilation systems adjust their operation by what is happening inside your house, with no regard for outside conditions. Our system differs because it looks at the air coming into the house; what is happening inside is just a guideline. Our tiny home solution ventilation system carries out essential ventilation by taking fresh air from outside and bringing it directly into the rooms inside. Internal sensors and controls allow for fully automatic operation without need for user intervention.

EVOAQ Tiny Home Ventilation is suitable for "tiny homes" and complies with G4 Building Code, Auckland Unity Plan/High-Density Housing, & Healthy Homes.

Like **EVOAQ** *on Facebook*

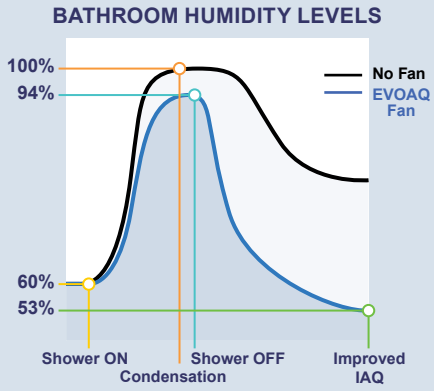
For more information
visit **www.evoaq.co.nz**

Follow **evoaqnz** *on Instagram*

System Specifications

Tiny Home Solution Systems	AQTHS-VNT-1	AQTHS-EX-1
System Type	Ventilation	Extraction
Max Room Size	Up to 40m²	Up to 12m²
Filter Material	100% Wool	N/A
Voltage (V/Hz)	230/50*	230/50*
Power (W)	1.4 - 4	1.5 - 20
Max Operating Speed	35%	100%
Speed (RPM)	400 ~ 1200	500 ~ 3000
Air Flow (m³/hr)	20 ~ 127	56 ~ 399
Noise (dB)	30	31
Specific Fan Power (W/Ls-1)	0.111	0.108

**12V DC version available upon request*



Tiny Home Extraction

Conventional bathroom extraction systems are operated by manually turning on a simple wall switch - if you remember to use it. Our fans, on the other hand, use our custom-designed software to monitor the ever-changing bathroom environment, while continuing to extract any excess moisture even when the bathroom is not in use. This is the only system able to learn and adapt to its environment, automatically adjusting its operation so you don't have to.

EVOAQ Tiny Home Extraction is suitable for "tiny homes" and complies with G4 Building Code, Auckland Unity Plan/High-Density Housing & Healthy Homes.

Ventilation Supply Fan (includes Filter)

Bathroom Extraction Fan

ABS Plastic Cowl

Stainless Steel Cowl (optional colour match)

Demand Controlled Ventilation

Our systems use DCV - fan rates are automatically and individually adjusted according to user demand and the quality of incoming air, using our built-in intelligent controller and sensors which constantly monitor 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.

Interconnecting multiple fans within the house ensures the overall system stays well-balanced and efficient.

Continuous Ventilation

By combining our DCV controls with highly energy-efficient EC fans, our systems can achieve high airflows when required - such as when someone is having a shower, or when outside air quality is good.

Most importantly, they can also achieve very low airflows when needed - like when no one is in the bathroom, or the outside air is too cold.

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

***Available Upgrades** - Stainless Steel Cowl - Fan Interconnect*

sales@evoaq.co.nz **www.evoaq.co.nz**

Home Ventilation

EVOAQ
for your Home & Health

Our Values

Improving Energy Efficiency using highly efficient products and superior system controls

Maintaining Indoor Air Quality through intelligent software designed specifically for NZ

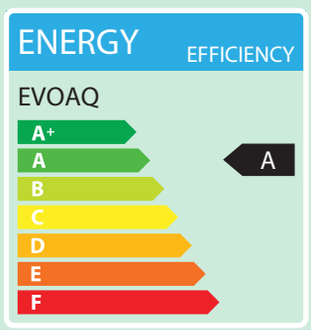
On-Demand Ventilation by monitoring air quality and ventilating as required

Ventilation with Heat Pumps

Heat Pumps are great to heat your home, but without ventilation your indoor air can get stale and damp.

When heating damp air, heat pumps waste energy and become a source of bacteria and pathogens which then get circulated throughout the house. No fresh air is added, and the stale air stays inside your home.

Adding fresh, dry air to your home with ventilation makes your heat pump more efficient and your home drier and healthier.



Our System

Our heat pump injection ventilation system is the first of its kind, and is specially designed to be integrated with your ducted heat pump system - continuously adding fresh filtered air to your home without affecting the heating or cooling from your heat pump.

The system uses the same ducting as your heat pump, so you only need one set of diffusers in your rooms.

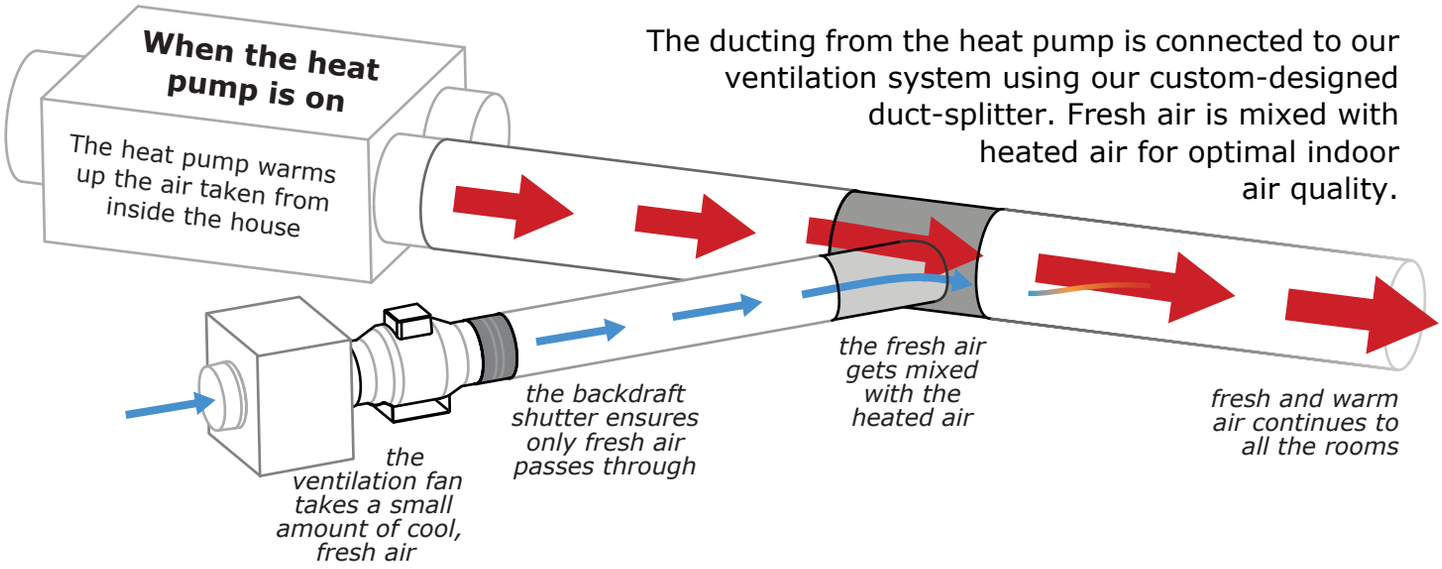
And using only the best and most energy-efficient products means keeping your power bill low and your air quality high!

Like **EVOAQ** *on Facebook*

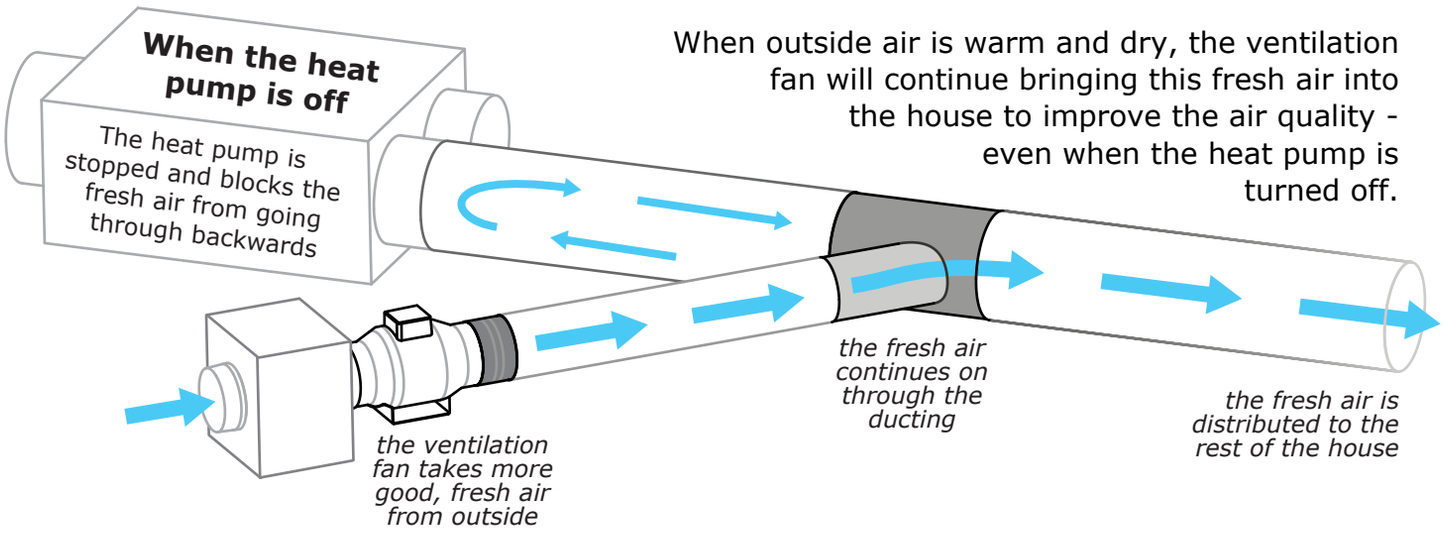
For more information
visit **www.evoaq.co.nz**

Follow **evoaqnz** *on Instagram*

How Heat Pump Injection Ventilation Works



The ducting from the heat pump is connected to our ventilation system using our custom-designed duct-splitter. Fresh air is mixed with heated air for optimal indoor air quality.



When outside air is warm and dry, the ventilation fan will continue bringing this fresh air into the house to improve the air quality - even when the heat pump is turned off.

Heat Pump Injection System	AQHPI-1/2	AQHPI-3/4
Number of Rooms	3 - 6 Rooms	6 - 9 Rooms
Voltage (V/Hz)	230/50	230/50
Fan Power (W)	3 - 73	3 - 165
Air Flow (m^3/hr)	65 ~ 650	63 ~ 1228
Static Pressure (Pa)	457	580
Noise (dB)	31	38
Speed (RPM)	500 - 3000	500 - 2800
Weight (kg)	2.5	3.5
Specific Fan Power (W/Ls-1)	0.398	0.294

Available Upgrades - *Summer Feature* ***-*** *Air Purification Box*

Home Ventilation
MiniVent Systems

EVOAQ
for your Home & Health

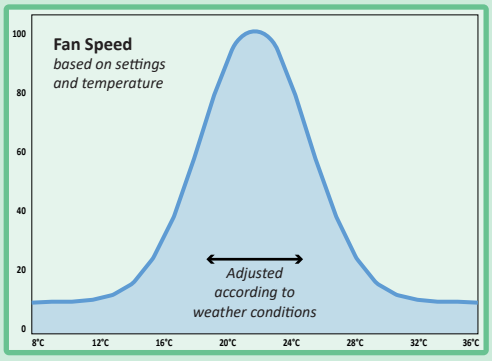
New Zealand's Most Advanced & Efficient On-Demand Ventilation System

The Importance of Ventilation

Great indoor air quality is one of the essential requirements for your home and health.

Without proper ventilation, moisture and VOCs become trapped inside your home, creating the ideal environment for harmful organisms like mould and mildew to thrive and causing many long-term health effects.

MiniVent systems carry out essential ventilation in the background, by taking fresh air from outside and bringing it directly into the center of the house. And to further enhance your ventilation, combine the MiniVent system with our smart bathroom fans to create a full, decentralised balanced system for your entire home.



Our System

Conventional ventilation systems adjust their operation by what is happening inside your house, with no regard for outside conditions. Our system differs because it looks at the air coming into the house; what is happening inside is just a guideline. Using locally developed complex algorithms, this is the only system able to learn and adapt to its environment, automatically adjusting its operation so you don't have to.

EVOAQ ventilation systems are suitable for new houses and comply with G4 Building Code, Auckland Unity Plan/High-Density Housing, & Healthy Homes.

Like **EVOAQ** *on Facebook*

For more information
visit **www.evoaq.co.nz**

Follow **evoaqnz** *on Instagram*

System Specifications

MiniVent Systems	AQ100-1	AQ100-2
House Size	Up to 80m²	Up to 100m²
Number of Outlets	1 Outlet only	Up to 2 Outlets
Voltage (V/Hz)	230/50	230/50
Max Power (W)	9	20
Air Flow (m³/hr)	56 ~ 233	56 ~ 399
Static Pressure (Pa)	240	240
Max Noise (dB)	30	31
Weight (kg)	1.1	1.1
Specific Fan Power (W/Ls-1)	0.110	0.117

Single Room System

Fresh air is directly supplied to a single bedroom or lounge at a reduced rate to minimise noise and discomfort.

The fan fits in between floor joists and can be accessed through the ceiling diffuser.

Whole House System

Fresh air is supplied to the whole house through one or two diffusers located centrally, in the hallway or lounge.

The fan is placed inside the roof cavity and can be accessed via the manhole.

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.